



TECHNICAL MANUAL - MUTT MOTORCYCLES 125CC

125 EU5 03 (MONGREL TWIN SHOCK VARIANTS) - V1.0/E2 08/22


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125cc BIKE MODELS





|  | BIKE MODEL | MODEL ID | DATE FROM |
|---|-------------------------|----------|------------|
| | Akita 125-V4-Matt Black | PM085BG | 01/01/2022 |
| | | | |


|  | BIKE MODEL | MODEL ID | DATE FROM |
|---|-----------------------|----------|------------|
| | FSR 125-V4-Matt Black | PM088MB | 01/01/2022 |
| | | | |


|  | BIKE MODEL | MODEL ID | DATE FROM |
|---|-------------------------|----------|------------|
| | Hilts 125-V8-Matt Green | PM094MG | 01/01/2022 |
| | | | |


|  | BIKE MODEL | MODEL ID | DATE FROM |
|---|---------------------|----------|------------|
| | Akita 125-V4-Silver | PM085SV | 01/01/2022 |
| | | | |


|  | BIKE MODEL | MODEL ID | DATE FROM |
|---|----------------------------|----------|------------|
| | FSR 125-V4-Cool Gloss Grey | PM088CY | 01/01/2022 |
| | | | |


|  | BIKE MODEL | MODEL ID | DATE FROM |
|---|----------------------------------|----------|------------|
| | Mastiff 125-V5-Matt Black/Silver | PM096MS | 01/01/2022 |
| | | | |


|  | BIKE MODEL | MODEL ID | DATE FROM |
|---|------------------------|----------|------------|
| | Akita 125-V4-All Black | PM085AB | 01/01/2022 |
| | | | |


|  | BIKE MODEL | MODEL ID | DATE FROM |
|---|--------------------------------|----------|------------|
| | GT-SR 125-V1-Matt Black/Silver | PM090MS | 01/01/2022 |
| | | | |


|  | BIKE MODEL | MODEL ID | DATE FROM |
|---|---------------------------|----------|------------|
| | Mastiff 125-V5-Matt Green | PM096MG | 01/01/2022 |
| | | | |


|  | BIKE MODEL | MODEL ID | DATE FROM |
|---|-------------------------------|----------|------------|
| | Fat Sabbath 125-V8-Matt Black | PM087MB | 01/01/2022 |
| | | | |

|  | BIKE MODEL | MODEL ID | DATE FROM |
|---|--------------------------------|----------|------------|
| | GT-SS 125-V2-Gloss Black/White | PM092G1 | 01/01/2022 |
| | | | |

|  | BIKE MODEL | MODEL ID | DATE FROM |
|---|----------------------------|----------|------------|
| | Mongrel 125-V10-Matt Black | PM098MB | 01/01/2022 |
| | | | |

|  | BIKE MODEL | MODEL ID | DATE FROM |
|---|----------------------------------|----------|------------|
| | Fat Sabbath 125-V8-Titanium Grey | PM087TG | 01/01/2022 |
| | | | |

|  | BIKE MODEL | MODEL ID | DATE FROM |
|---|-------------------------|----------|------------|
| | Hilts 125-V8-Gloss Grey | PM094GG | 01/01/2022 |
| | | | |

|  | BIKE MODEL | MODEL ID | DATE FROM |
|---|------------------------|----------|------------|
| | RS-13 125-V6-Raw Steel | PM105RS | 01/01/2022 |
| | | | |

BIKE MODELS - PARTS GROUP IDENTIFICATION



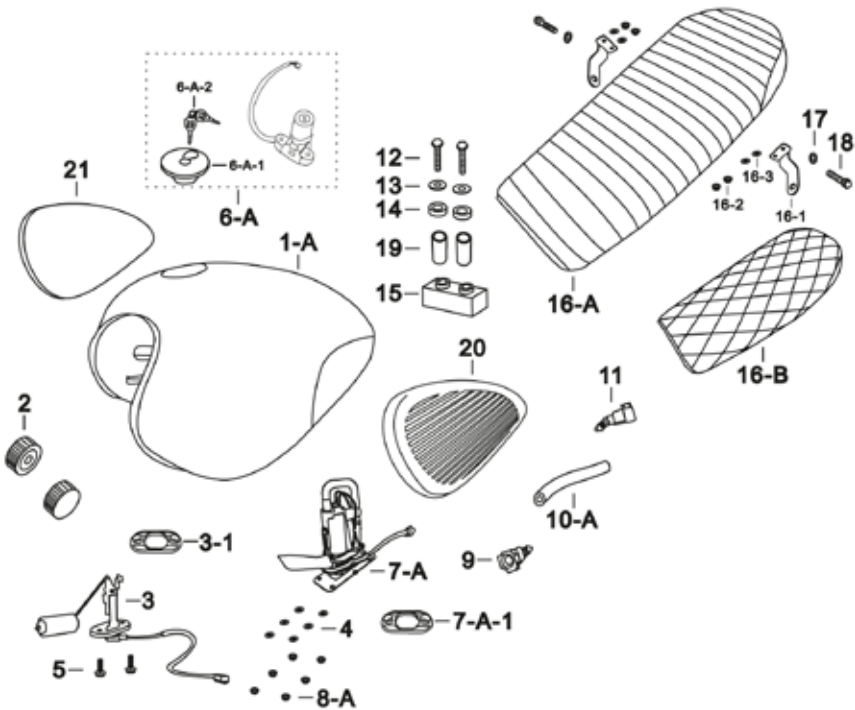
| | | F01 | F02 | F03 | F04 | F05 | F06 | F07 | F08 | F09 | F10 | F11 | F12 | F13 | F14 | F15 |
|----------------------------------|-------------------|-------------|---------------------------|-----------|--------|------------|------------------------|---------------------------|---------|------|-------|-------------------------|----------------|---------------|--------|------------------------|
| BIKE MODEL ID | BIKE MODEL ID NO. | TANK & SEAT | REAR FENDER & SIDE PANELS | ELECTRICS | ENGINE | HANDLEBARS | SWINGARM & REAR SHOCKS | FRONT FENDER & FRONT FORK | EXHAUST | YOKE | FRAME | SPEEDOMETER & HEADLIGHT | WHEELS - FRONT | WHEELS - REAR | BRAKES | CABLES, MIRRORS, TOOLS |
| Akita 125-V4-Matt Black | PM085BG | F01C | F02C | F03A | F04B | F05D | F06B | F07C | F08B | F09A | F10C | F11A | F12E | F13E | F14A | F15A |
| Akita 125-V4-Silver | PM085SV | F01C | F02C | F03A | F04B | F05D | F06B | F07C | F08B | F09A | F10C | F11A | F12E | F13E | F14A | F15A |
| Akita 125-V4-All Black | PM085AB | F01C | F02C | F03A | F04B | F05D | F06B | F07C | F08B | F09A | F10C | F11A | F12E | F13E | F14A | F15A |
| Fat Sabbath 125-V8-Matt Black | PM087MB | F01A | F02B | F03A | F04A | F05C | F06A | F07B | F08A | F09A | F10B | F11A | F12C | F13C | F14A | F15A |
| Fat Sabbath 125-V8-Titanium Grey | PM087TG | F01A | F02B | F03A | F04A | F05C | F06A | F07B | F08A | F09A | F10B | F11A | F12C | F13C | F14A | F15A |
| FSR 125-V3-Matt Black | PM088MB | F01B | F02C | F03A | F04B | F05D | F06B | F07C | F08B | F09A | F10B | F11A | F12F | F13F | F14A | F15A |
| FSR 125-V4-Cool Gloss Grey | PM088CY | F01B | F02C | F03A | F04B | F05D | F06B | F07C | F08B | F09A | F10B | F11A | F12F | F13F | F14A | F15A |
| GT-SR 125-V1-Matt Black/Silver | PM090MS | F01B | F02C | F03A | F04B | F05C | F06B | F07C | F08A | F09A | F10B | F11A | F12D | F13D | F14A | F15A |
| GT-SS 125-V2-Gloss Black/White | PM092G1 | F01B | F02B | F03A | F04A | F05C | F06A | F07B | F08A | F09A | F10B | F11A | F12D | F13D | F14A | F15A |
| Hilts 125-V8-Gloss Grey | PM094GG | F01A | F02B | F03A | F04A | F05B | F06A | F07A | F08A | F09A | F10A | F11A | F12B | F13B | F14A | F15A |
| Hilts 125-V8-Matt Green | PM094MG | F01A | F02B | F03A | F04A | F05B | F06A | F07A | F08A | F09A | F10A | F11A | F12B | F13B | F14A | F15A |
| Mastiff 125-V5-Matt Black/Silver | PM096MS | F01B | F02B | F03A | F04A | F05C | F06A | F07B | F08A | F09A | F10B | F11A | F12E | F13E | F14A | F15A |
| Mastiff 125-V5-Matt Green | PM096MG | F01B | F02B | F03A | F04A | F05C | F06A | F07B | F08A | F09A | F10B | F11A | F12E | F13E | F14A | F15A |
| Mongrel 125-V10-Matt Black | PM098MB | F01A | F02A | F03A | F04A | F05A | F06A | F07A | F08A | F09A | F10A | F11A | F12A | F13A | F14A | F15A |
| RS-13 125-V6-Raw Steel | PM105RS | F01A | F02B | F03A | F04A | F05C | F06A | F07B | F08A | F09A | F10B | F11A | F12C | F13C | F14A | F15A |

125EU503-F01A



| | | | | | |
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| ENGINE | 125 | APPROVAL | EU5 | VERSION | 03 |
|--------|-----|----------|-----|---------|----|

| | | |
|--------------|------------|-------------|
| DIAGRAM REF. | GROUP REF. | GROUP |
| F01A | F01 | TANK & SEAT |

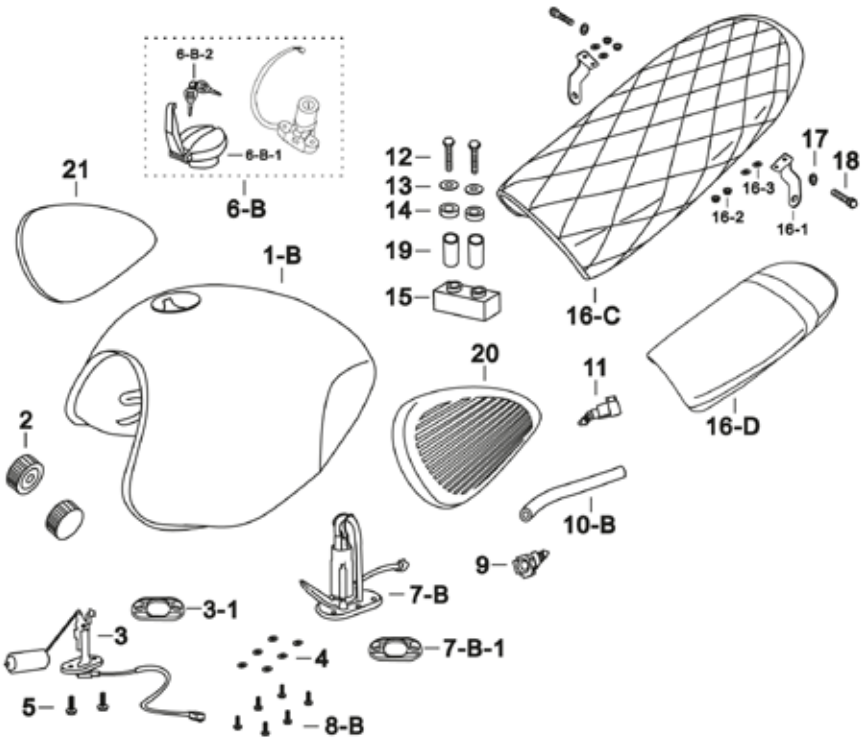


| ITEM NO. | MUTT PART NO. | BARCODE REF. | PART DESCRIPTION | CAT CODE | CATEGORY | SIZE | COLOUR | QTY. |
|----------|---------------|---------------|--|----------|-------------------------|-----------------|---------------|------|
| 1-A | MPT-1232 | 1241400011581 | TANK - 12 LITRE - (GALVANISED) - MATT BLACK | C194 | TANK | 12 LITRE | Matt Black | 1 |
| 1-A | MPT-1233 | 1241400011608 | TANK - 12 LITRE - (GALVANISED) - GLOSS GREY | C194 | TANK | 12 LITRE | Gloss Grey | 1 |
| 1-A | MPT-1234 | 1241400011599 | TANK - 12 LITRE - (GALVANISED) - MATT GREEN | C194 | TANK | 12 LITRE | Matt Green | 1 |
| 1-A | MPT-1235 | 1241400011583 | TANK - 12 LITRE - (GALVANISED) - RAW STEEL | C194 | TANK | 12 LITRE | Raw Steel | 1 |
| 1-A | MPT-1367 | 1241400012309 | TANK - 12 LITRE - (GALVANISED) - TITANIUM GREY | C194 | TANK | | Titanium Grey | 1 |
| 2 | MPT-0381 | 1260300010000 | RUBBER - FUEL TANK - FRONT | C144 | RUBBER | | No Colour | 2 |
| 3 | MPT-0303 | 1180400148100 | FUEL SENSOR | C159 | SENSOR | | No Colour | 1 |
| 3-1 | MPT-0475 | 1651700012100 | RUBBER SEAL - FUEL SENSOR | C150 | RUBBER SEAL | | No Colour | 1 |
| 4 | MPT-0029 | 1040300142000 | SEALING WASHER - FUEL PUMP | C156 | SEALING WASHER | M6 | No Colour | 6 |
| 5-B | MPT-1368 | 7643106020160 | BOLT - M6×20 | C012 | BOLT | M6×20(ø8×5.2) | No Colour | 2 |
| 6-A | MPT-0311 | 1181400150100 | LOCK SET | C110 | LOCK SET | | No Colour | 1 |
| 6-A-1 | MPT-0472 | 1650500020000 | FUEL TANK CAP - MUTT | C087 | FUEL TANK CAP | | No Colour | 1 |
| 6-A-2 | MPT-0474 | 1650500040000 | KEYS - BLANK - 1 PAIR - MUTT | C106 | KEYS | | No Colour | 2 |
| 7-A | MPT-1236 | 1114500010000 | FUEL PUMP - 12 LITRE TANK - 350KPA | C086 | FUEL PUMP | 12 LITRE,350KPA | No Colour | 1 |
| 7-A-1 | MPT-0187 | 1114111005600 | RUBBER SEAL - FUEL PUMP - 12 LITRE TANK | C150 | RUBBER SEAL | | No Colour | 1 |
| 8-A | MPT-0900 | 7032605000147 | HEX NUT - FLANGED - M5 | C118 | NUT | M5 | No Colour | 6 |
| 9 | MPT-0191 | 1114111007100 | QUICK CONNECTOR - B1 | C133 | QUICK CONNECTOR | B1 | No Colour | 1 |
| 10-A | MPT-0192 | 1114111007600 | HIGH PRESSURE FUEL HOSE - 100MM | C098 | HIGH PRESSURE FUEL HOSE | 100mm | No Colour | 1 |
| 10-A | MPT-1414 | 1114111007601 | HIGH PRESSURE FUEL HOSE - WITH CONNECTOR - 100MM | C084 | FUEL HOSE | 100MM | No Colour | 1 |
| 11 | MPT-0194 | 1114111007800 | QUICK CONNECTOR - B19 | C133 | QUICK CONNECTOR | B19,115° | No Colour | 1 |
| 12 | MPT-0815 | 7012406040268 | HEX BOLT - M6×40 - TANK | C012 | BOLT | M6×40 | No Colour | 2 |
| 13 | MPT-0922 | 7052706222038 | WASHER - 6×22×2 - TANK | C206 | WASHER | | No Colour | 2 |
| 14 | MPT-0425 | 1261700020000 | RUBBER RING - TANK | C149 | RUBBER RING | | No Colour | 2 |
| 15 | MPT-0426 | 1261700050000 | T-RUBBER - TANK | C191 | T-RUBBER | 19mm | No Colour | 1 |
| 16-A | MPT-1369 | 1211400130200 | SEAT - BROWN | C157 | SEAT | | Brown | 1 |
| 16-B | MPT-0322 | 1211400131000 | SEAT - DIAMOND - BLACK | C157 | SEAT | | Black | 1 |
| 16-1 | MPT-0320 | 1211400029121 | BRACKET - SEAT (PAIR) | C015 | BRACKET | | No Colour | 1 |
| 16-2 | MPT-0902 | 7032606000142 | HEX NUT - FLANGED - M6 | C118 | NUT | | No Colour | 4 |
| 16-3 | MPT-0399 | 1260300500000 | RUBBER RING - SEAT BRACKET | C149 | RUBBER RING | | No Colour | 4 |
| 17 | MPT-0915 | 7050108161648 | WASHER - FLAT - 8×16×1.6 | C206 | WASHER | 8×16×1.6 | No Colour | 2 |
| 18 | MPT-0958 | 7630208025164 | CORNER SIX HEAD BOLT - M8×25 | C012 | BOLT | M8×25 | No Colour | 2 |
| 19 | MPT-0398 | 1260300450000 | BUSHING | C023 | BUSHING | ø8×ø10×25 | No Colour | 2 |
| 20 | MPT-0420 | 1261400050000 | TANK KNEE PAD - LH | C107 | KNEE PADS | | No Colour | 1 |
| 21 | MPT-0421 | 1261400060000 | TANK KNEE PAD - RH | C107 | KNEE PADS | | No Colour | 1 |

125EU503-F01B



| ENGINE | 125 | APPROVAL | EU5 | VERSION | 03 |
|--------------|------------|-------------|-----|---------|----|
| DIAGRAM REF. | GROUP REF. | GROUP | | | |
| F01B | F01 | TANK & SEAT | | | |

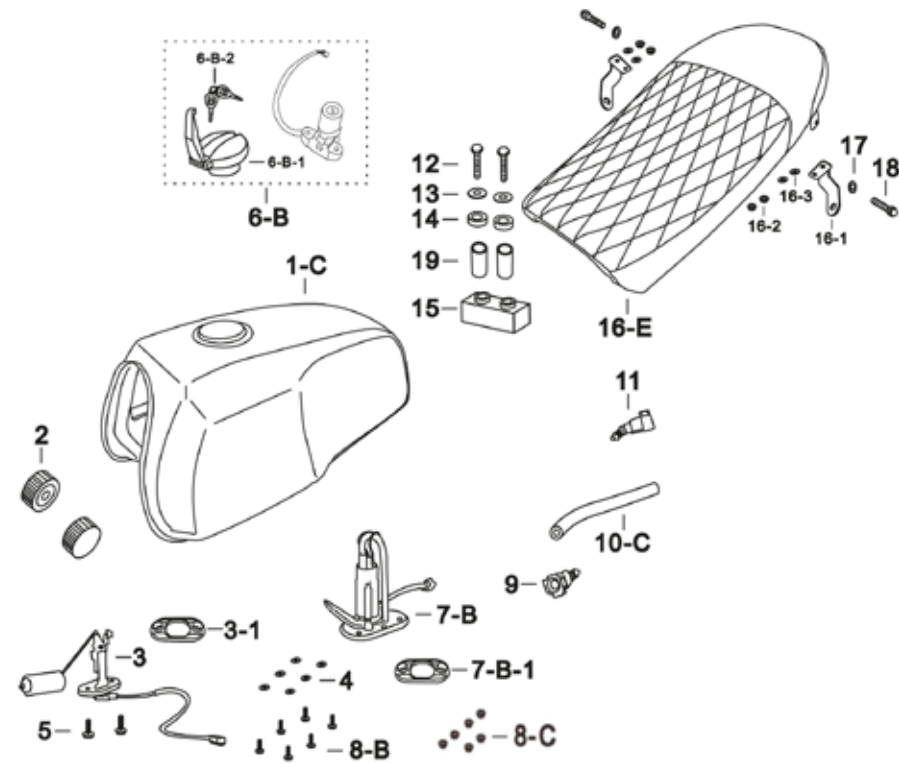


| ITEM NO. | MUTT PART NO. | BARCODE REF. | PART DESCRIPTION | CAT CODE | CATEGORY | SIZE | COLOUR | QTY. |
|----------|---------------|---------------|---|----------|-------------------------|-----------------|-------------------|------|
| 1-B | MPT-1370 | 1241400015103 | TANK - 17 LITRE - MATT BLACK/SILVER - GALVANISED | C194 | TANK | 17 LITRE | Matt Black/Silver | 1 |
| 1-B | MPT-1371 | 1241400011614 | TANK - 17 LITRE - MATT BLACK - GALVANISED - WITH DECALS | C194 | TANK | 17 LITRE | Matt Black | 1 |
| 1-B | MPT-1372 | 1241400011309 | TANK - 17 LITRE - GREY - GALVANISED | C194 | TANK | 17 LITRE | Gloss Grey | 1 |
| 1-B | MPT-1373 | 1241400015309 | TANK - 17 LITRE - MATT GREEN - GALVANISED | C194 | TANK | 17 LITRE | Matt Green | 1 |
| 1-B | MPT-1374 | 1241400043002 | TANK - 17 LITRE - GLOSS BLACK/WHITE - GALVANISED | C194 | TANK | | Gloss Black/White | 1 |
| 1-B | MPT-1375 | 1241400043205 | TANK - 17 LITRE - MATT BLACK/SILVER - GALVANISED | C194 | TANK | | Matt Black/Silver | 1 |
| 2 | MPT-0381 | 1260300010000 | RUBBER - FUEL TANK - FRONT | C144 | RUBBER | | No Colour | 2 |
| 3 | MPT-0303 | 1180400148100 | FUEL SENSOR | C159 | SENSOR | | No Colour | 1 |
| 3-1 | MPT-0475 | 1651700012100 | RUBBER SEAL - FUEL SENSOR | C150 | RUBBER SEAL | | No Colour | 1 |
| 4 | MPT-0029 | 1040300142000 | SEALING WASHER - FUEL PUMP | C156 | SEALING WASHER | | No Colour | 6 |
| 5-B | MPT-1368 | 7643106020160 | BOLT - M6x20 | C012 | BOLT | M6x20(ø8x5.2) | No Colour | 2 |
| 6-B | MPT-0312 | 1181400161200 | LOCK SET | C110 | LOCK SET | | No Colour | 1 |
| 6-B-1 | MPT-0473 | 1650500030000 | FUEL TANK CAP - MUTT | C087 | FUEL TANK CAP | | No Colour | 1 |
| 6-B-2 | MPT-0474 | 1650500040000 | KEYS - BLANK - 1 PAIR - MUTT | C106 | KEYS | | No Colour | 2 |
| 7-B | MPT-1237 | 1114500011000 | FUEL PUMP - 17 LITRE TANK - 350KPA | C086 | FUEL PUMP | 17 LITRE,350KPA | No Colour | 1 |
| 7-B-1 | MPT-0186 | 1114111005400 | RUBBER SEAL - FUEL PUMP - 17 LITRE TANK | C150 | RUBBER SEAL | | No Colour | 1 |
| 8-B | MPT-0823 | 7012805026158 | HEX BOLT - FLANGED - M5x20 - FUEL PUMP - 17 LITRE TANK | C012 | BOLT | M5x20 | No Colour | 6 |
| 9 | MPT-0191 | 1114111007100 | QUICK CONNECTOR - B1 | C133 | QUICK CONNECTOR | B1 | No Colour | 1 |
| 10-B | MPT-0190 | 1114111007000 | HIGH PRESSURE FUEL HOSE - 140MM | C098 | HIGH PRESSURE FUEL HOSE | 140mm | No Colour | 1 |
| 10-B | MPT-1415 | 1114111007001 | HIGH PRESSURE FUEL HOSE - WITH CONNECTOR - 140MM | C084 | FUEL HOSE | 140MM | No Colour | 1 |
| 11 | MPT-0194 | 1114111007800 | QUICK CONNECTOR - B19 | C133 | QUICK CONNECTOR | B19,115° | No Colour | 1 |
| 12 | MPT-0815 | 7012406040268 | HEX BOLT - M6x40 - TANK | C012 | BOLT | M6x40 | No Colour | 2 |
| 13 | MPT-0922 | 7052706222038 | WASHER - 6x22x2 - TANK | C206 | WASHER | 6x22x2 | No Colour | 2 |
| 14 | MPT-0425 | 1261700020000 | RUBBER RING - TANK | C149 | RUBBER RING | | No Colour | 2 |
| 15 | MPT-0426 | 1261700050000 | T-RUBBER - TANK | C191 | T-RUBBER | 19mm | No Colour | 1 |
| 16-C | MPT-0323 | 1211400132000 | SEAT - DIAMOND - BROWN | C157 | SEAT | | Brown | 1 |
| 16-D | MPT-0324 | 1211400133000 | SEAT - BLACK | C157 | SEAT | | Black | 1 |
| 16-1 | MPT-0320 | 1211400029121 | BRACKET - SEAT (PAIR) | C015 | BRACKET | | No Colour | 1 |
| 16-2 | MPT-0902 | 7032606000142 | HEX NUT - FLANGED - M6 | C118 | NUT | M6 | No Colour | 1 |
| 16-3 | MPT-0399 | 1260300500000 | RUBBER RING - SEAT BRACKET | C149 | RUBBER RING | | No Colour | 4 |
| 17 | MPT-0915 | 7050108161648 | WASHER - FLAT - 8x16x1.6 | C206 | WASHER | 8x16x1.6 | No Colour | 2 |
| 18 | MPT-0958 | 7630208025164 | CORNER SIX HEAD BOLT - M8x25 | C012 | BOLT | M8x25 | No Colour | 2 |
| 19 | MPT-0398 | 1260300450000 | BUSHING | C023 | BUSHING | ø8xø10x25 | No Colour | 2 |
| 20 | MPT-0420 | 1261400050000 | TANK KNEE PAD - LH | C107 | KNEE PADS | | No Colour | 1 |
| 21 | MPT-0421 | 1261400060000 | TANK KNEE PAD - RH | C107 | KNEE PADS | | No Colour | 1 |

125EU503-F01C



| ENGINE | 125 | APPROVAL | EU5 | VERSION | 03 |
|--------------|------------|-------------|-----|---------|----|
| DIAGRAM REF. | GROUP REF. | GROUP | | | |
| F01C | F01 | TANK & SEAT | | | |



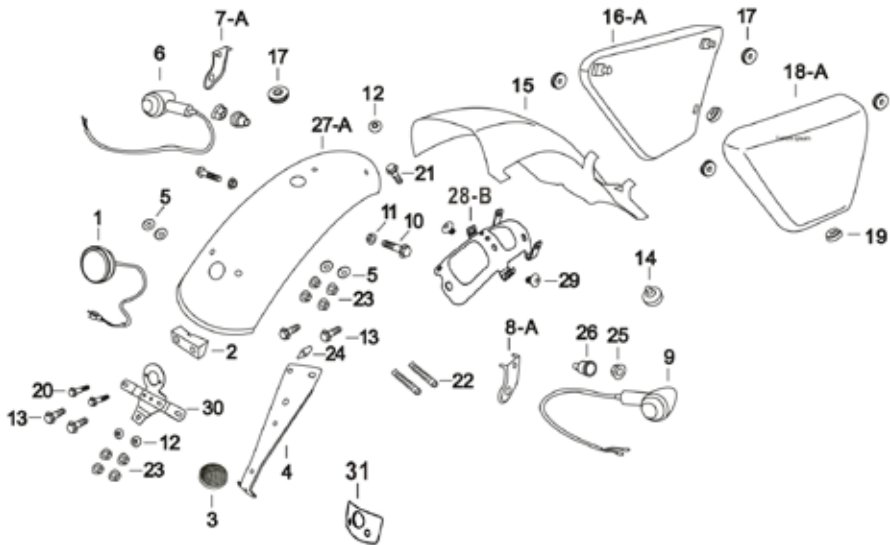
| ITEM NO. | MUTT PART NO. | BARCODE REF. | PART DESCRIPTION | CAT CODE | CATEGORY | SIZE | COLOUR | QTY. |
|----------|---------------|---------------|--|----------|-------------------------|---------------|-------------|------|
| 1-C | MPT-1361 | 1241400302660 | TANK - SQUARE - MATT SILVER | C194 | TANK | | Silver | 1 |
| 1-C | MPT-1362 | 1241400302670 | TANK - SQUARE - MATT BLACK | C194 | TANK | | Matt Black | 1 |
| 1-C | MPT-1363 | 1241400303205 | TANK - SQUARE - ALL BLACK | C194 | TANK | | All Black | 1 |
| 2 | MPT-0381 | 1260300010000 | RUBBER - FUEL TANK - FRONT | C144 | RUBBER | | No Colour | 2 |
| 3 | MPT-0303 | 1180400148100 | FUEL SENSOR | C159 | SENSOR | | No Colour | 1 |
| 3-1 | MPT-0475 | 1651700012100 | RUBBER SEAL - FUEL SENSOR | C150 | RUBBER SEAL | | No Colour | 1 |
| 4 | MPT-0029 | 1040300142000 | SEALING WASHER - FUEL PUMP | C156 | SEALING WASHER | M6 | No Colour | 6 |
| 5 | MPT-0962 | 7643106016170 | HEX SHOULDER BOLT - FLANGED - M6×20 | C012 | BOLT | M6×20(ø8×4.8) | No Colour | 2 |
| 5-B | MPT-1368 | 7643106020160 | BOLT - M6×20 | C012 | BOLT | M6×20(ø8×5.2) | No Colour | 2 |
| 6-B | MPT-0312 | 1181400161200 | LOCK SET | C110 | LOCK SET | | No Colour | 1 |
| 6-B-1 | MPT-0473 | 1650500030000 | FUEL TANK CAP - MUTT | C087 | FUEL TANK CAP | | No Colour | 1 |
| 6-B-2 | MPT-0474 | 1650500040000 | KEYS - BLANK - 1 PAIR - MUTT | C106 | KEYS | | No Colour | 2 |
| 7-B | MPT-0184 | 1114111005000 | FUEL PUMP - 17 LITRE TANK | C086 | FUEL PUMP | | No Colour | 1 |
| 7-B | MPT-1237 | 1114500011000 | FUEL PUMP - 17 LITRE TANK - 350KPA | C086 | FUEL PUMP | | No Colour | 1 |
| 7-B | MPT-1236 | 1114500010000 | FUEL PUMP - 12 LITRE TANK - 350KPA | C086 | FUEL PUMP | | No Colour | 1 |
| 7-B-1 | MPT-0186 | 1114111005400 | RUBBER SEAL - FUEL PUMP - 17 LITRE TANK | C150 | RUBBER SEAL | | No Colour | 1 |
| 7-B | MPT-0187 | 1114111005600 | RUBBER SEAL - FUEL PUMP - 12 LITRE TANK | C150 | RUBBER SEAL | | No Colour | 1 |
| 8-B | MPT-0823 | 7012805026158 | HEX BOLT - FLANGED - M5×20 - FUEL PUMP - 17 LITRE TANK | C012 | BOLT | M5×20 | No Colour | 6 |
| 8-C | MPT-0900 | 7032605000147 | HEX NUT - FLANGED - M5 | C118 | NUT | M5 | No Colour | 6 |
| 9 | MPT-0191 | 1114111007100 | QUICK CONNECTOR - B1 | C133 | QUICK CONNECTOR | B1 | No Colour | 1 |
| 10-C | MPT-0195 | 1114111007900 | HIGH PRESSURE FUEL HOSE - 120MM | C098 | HIGH PRESSURE FUEL HOSE | 120mm | No Colour | 1 |
| 11 | MPT-0194 | 1114111007800 | QUICK CONNECTOR - B19 | C133 | QUICK CONNECTOR | B19,115° | No Colour | 1 |
| 12 | MPT-0815 | 7012406040268 | HEX BOLT - M6×40 - TANK | C012 | BOLT | M6×40 | No Colour | 2 |
| 13 | MPT-0922 | 7052706222038 | WASHER - 6×22×2 - TANK | C206 | WASHER | 6×22×2 | No Colour | 2 |
| 14 | MPT-0425 | 1261700020000 | RUBBER RING - TANK | C149 | RUBBER RING | | No Colour | 2 |
| 15 | MPT-0426 | 1261700050000 | T-RUBBER - TANK | C191 | T-RUBBER | 19mm | No Colour | 1 |
| 16-E | MPT-1376 | 1211400138000 | SEAT - DARK BROWN | C157 | SEAT | | Dark Brown | 1 |
| 16-E | MPT-1358 | 1211400139000 | SEAT - BLACK | C157 | SEAT | | Black | 1 |
| 16-E | MPT-1377 | 1211400140000 | SEAT - LIGHT BROWN | C157 | SEAT | | Light Brown | 1 |
| 16-1 | MPT-0320 | 1211400029121 | BRACKET - SEAT (PAIR) | C015 | BRACKET | | No Colour | 2 |
| 16-2 | MPT-0902 | 7032606000142 | HEX NUT - FLANGED - M6 | C118 | NUT | M6 | No Colour | 2 |
| 16-3 | MPT-0399 | 1260300500000 | RUBBER RING - SEAT BRACKET | C149 | RUBBER RING | | No Colour | 4 |
| 17 | MPT-0915 | 7050108161648 | WASHER - FLAT - 8×16×1.6 | C206 | WASHER | 8×16×1.6 | No Colour | 2 |
| 18 | MPT-0958 | 7630208025164 | CORNER SIX HEAD BOLT - M8×25 | C012 | BOLT | M8×25 | No Colour | 2 |
| 19 | MPT-0398 | 1260300450000 | BUSHING | C023 | BUSHING | ø8×ø10×25 | No Colour | 2 |

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| ENGINE | 125 | APPROVAL | EU5 | VERSION | 03 |
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| DIAGRAM REF. | GROUP REF. | GROUP |
| F02A | F02 | REAR FENDER & SIDE PANELS |

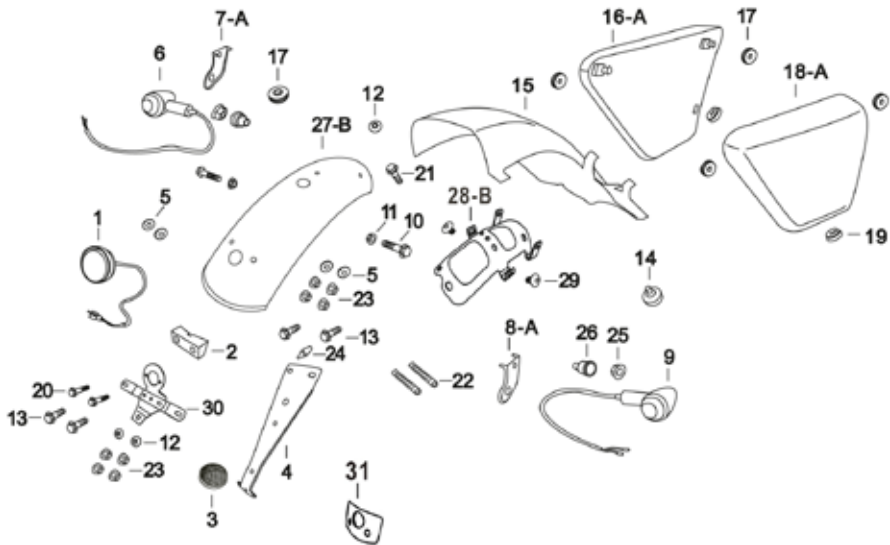


| ITEM NO. | MUTT PART NO. | BARCODE REF. | PART DESCRIPTION | CAT CODE | CATEGORY | SIZE | COLOUR | QTY. |
|----------|---------------|---------------|---|----------|---------------|----------|------------|------|
| 1 | MPT-0293 | 1171400069000 | TAIL LIGHT - BLACK | C193 | TAIL LIGHT | | Black | 1 |
| 2 | MPT-0427 | 1261700060000 | RUBBER PAD - TAIL LIGHT BRACKET | C148 | RUBBER PAD | | No Colour | 1 |
| 3 | MPT-0423 | 1261400940000 | REFLECTOR - REAR | C137 | REFLECTOR | M6 | No Colour | 1 |
| 4 | MPT-0053 | 1041000084002 | BRACKET - REAR REFLECTOR | C015 | BRACKET | | No Colour | 1 |
| 5 | MPT-0917 | 7050206181638 | WASHER - 6x18x1.6 | C206 | WASHER | 6x18x1.6 | No Colour | 4 |
| 6 | MPT-0291 | 1171000076300 | INDICATOR - REAR - LED - CNC - LH - BLACK | C102 | INDICATOR | | Black | 1 |
| 7-A | MPT-0057 | 1041000110000 | BRACKET - REAR INDICATOR - LH | C015 | BRACKET | | No Colour | 1 |
| 8-A | MPT-0060 | 1041000120000 | BRACKET - REAR INDICATOR - RH | C015 | BRACKET | | No Colour | 1 |
| 9 | MPT-0292 | 1171000086300 | INDICATOR - REAR - LED - CNC - RH - BLACK | C102 | INDICATOR | | Black | 1 |
| 10 | MPT-0841 | 7012808035168 | HEX BOLT - FLANGED - BLUE WHITE ZINC | C012 | BOLT | M5x35 | No Colour | 2 |
| 11 | MPT-1378 | 7032608000148 | HEX NUT - FLANGED - M8 | C118 | NUT | | No Colour | 2 |
| 12 | MPT-0380 | 1260200220000 | CHAIN BOX FLANGE WASHER | C206 | WASHER | | No Colour | 3 |
| 13 | MPT-0855 | 7013006012268 | HEX BOLT - FLANGED - M6x12 | C012 | BOLT | M6x12 | No Colour | 4 |
| 14 | MPT-0428 | 1263200090000 | ROUND RUBBER PAD | C148 | RUBBER PAD | | No Colour | 1 |
| 15 | MPT-0330 | 1220300142000 | REAR MUDGUARD FRONT | C135 | REAR FENDER | | No Colour | 1 |
| 16-A | MPT-0370 | 1251400129115 | SIDE PANEL - LH - MATT BLACK | C161 | SIDE PANEL | | Matt Black | 1 |
| 17 | MPT-0388 | 1260300160000 | RUBBER RING A - SIDE PANEL | C149 | RUBBER RING | | No Colour | 5 |
| 18-A | MPT-0367 | 1251400127032 | SIDE PANEL - RH - MATT BLACK | C161 | SIDE PANEL | | Matt Black | 1 |
| 19 | MPT-0389 | 1260300170000 | RUBBER RING D - SIDE PANEL | C149 | RUBBER RING | | No Colour | 2 |
| 20 | MPT-0862 | 7013006035268 | HEX BOLT - FLANGED - M6x35 | C012 | BOLT | M6x35 | No Colour | 2 |
| 21 | MPT-0858 | 7013006020268 | HEX BOLT - FLANGED - M6x20 | C012 | BOLT | M6x20 | No Colour | 1 |
| 22 | MPT-0397 | 1260300410000 | CLAMP | C041 | CLAMP | ø6x11x53 | No Colour | 2 |
| 23 | MPT-0905 | 7032606000248 | HEX NUT - FLANGED - M6 | C118 | NUT | M6 | No Colour | 8 |
| 24 | MPT-0966 | 9890021000966 | BUFFER RUBBER | C021 | BUFFER RUBBER | | No Colour | 1 |
| 25 | MPT-0912 | 7034310000347 | HEX NUT - FLANGED - M10x1.25 | C118 | NUT | M10x1.25 | No Colour | 2 |
| 26 | MPT-0422 | 1261400141000 | RUBBER SLEEVE - INDICATORS | C151 | RUBBER SLEEVE | | No Colour | 2 |
| 27-A | MPT-0339 | 1221400272103 | FENDER - REAR - STANDARD - MATT BLACK | C135 | REAR FENDER | STANDARD | Matt Black | 1 |
| 28-B | MPT-1379 | 1041400052000 | BRACKET - REAR FENDER - INNER - SHORT - STAMPED | C015 | BRACKET | | Black | 1 |
| 29 | MPT-1138 | 7513706016260 | SCREW - M6x16 | C152 | SCREW | M6x16 | No Colour | 2 |
| 30 | MPT-0056 | 1041000090002 | BRACKET - TAIL LIGHT - BLACK | C015 | BRACKET | | Black | 1 |
| 31 | MPT-0339 | 1221400272103 | FENDER - REAR - STANDARD - MATT BLACK | C135 | REAR FENDER | STANDARD | Matt Black | 1 |

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| ENGINE | 125 | APPROVAL | EU5 | VERSION | 03 |
|--------------|------------|---------------------------|-----|---------|----|
| DIAGRAM REF. | GROUP REF. | GROUP | | | |
| F02B | F02 | REAR FENDER & SIDE PANELS | | | |

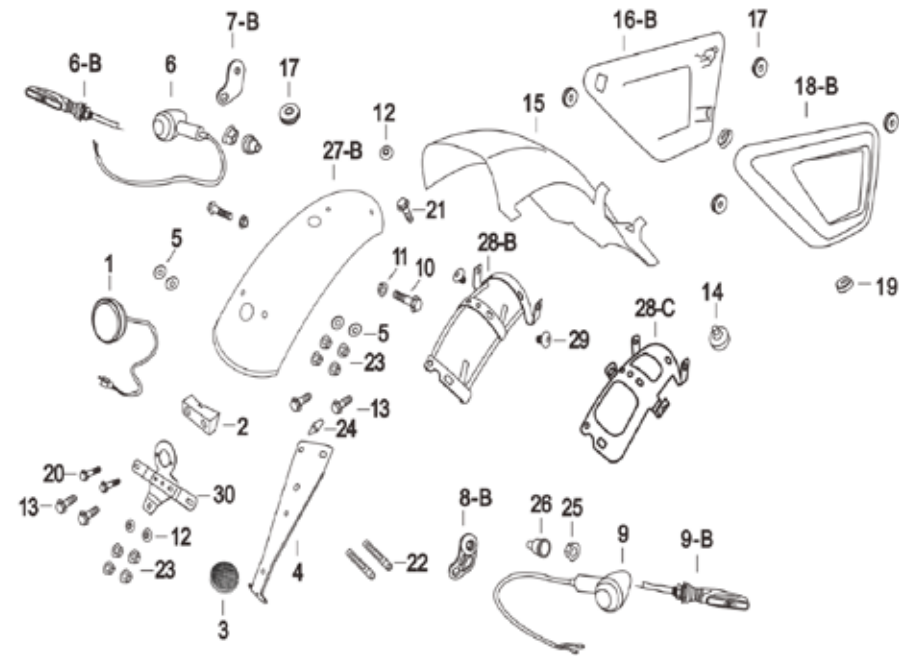


| ITEM NO. | MUTT PART NO. | BARCODE REF. | PART DESCRIPTION | CAT CODE | CATEGORY | SIZE | COLOUR | QTY. |
|----------|---------------|---------------|---|----------|---------------|----------|-------------------|------|
| 1 | MPT-0293 | 1171400069000 | TAIL LIGHT - BLACK | C193 | TAIL LIGHT | | Black | 1 |
| 1 | MPT-0294 | 1171400080000 | TAIL LIGHT - BRUSHED | C193 | TAIL LIGHT | | Brushed Aluminium | 1 |
| 2 | MPT-0427 | 1261700060000 | RUBBER PAD - TAIL LIGHT BRACKET | C148 | RUBBER PAD | | No Colour | 1 |
| 3 | MPT-0423 | 1261400940000 | REFLECTOR - REAR | C137 | REFLECTOR | M6 | No Colour | 1 |
| 4 | MPT-0053 | 1041000084002 | BRACKET - REAR REFLECTOR | C015 | BRACKET | | No Colour | 1 |
| 5 | MPT-0917 | 7050206181638 | WASHER - 6x18x1.6 | C206 | WASHER | 6x18x1.6 | No Colour | 4 |
| 6 | MPT-0291 | 1171000076300 | INDICATOR - REAR - LED - CNC - LH - BLACK | C102 | INDICATOR | | Black | 1 |
| 6 | MPT-0289 | 1171000076200 | INDICATOR - REAR - LED - CNC - LH - BRUSHED | C102 | INDICATOR | | Brushed Aluminium | 1 |
| 7-A | MPT-0057 | 1041000110000 | BRACKET - REAR INDICATOR - LH | C015 | BRACKET | | No Colour | 1 |
| 8-A | MPT-0060 | 1041000120000 | BRACKET - REAR INDICATOR - RH | C015 | BRACKET | | No Colour | 1 |
| 9 | MPT-0292 | 1171000086300 | INDICATOR - REAR - LED - CNC - RH - BLACK | C102 | INDICATOR | | Black | 1 |
| 9 | MPT-0290 | 1171000086200 | INDICATOR - REAR - LED - CNC - RH - BRUSHED | C102 | INDICATOR | | Brushed Aluminium | 1 |
| 10 | MPT-0841 | 7012808035168 | HEX BOLT - FLANGED - BLUE WHITE ZINC | C012 | BOLT | M5x35 | No Colour | 2 |
| 11 | MPT-1378 | 7032608000148 | HEX NUT - FLANGED - M8 | C118 | NUT | | No Colour | 2 |
| 12 | MPT-0380 | 1260200220000 | CHAIN BOX FLANGE WASHER | C206 | WASHER | | No Colour | 3 |
| 13 | MPT-0855 | 7013006012268 | HEX BOLT - FLANGED - M6x12 | C012 | BOLT | M6x12 | No Colour | 4 |
| 14 | MPT-0428 | 1263200090000 | ROUND RUBBER PAD | C148 | RUBBER PAD | | No Colour | 1 |
| 15 | MPT-0330 | 1220300142000 | REAR MUDGUARD FRONT | C135 | REAR FENDER | | No Colour | 1 |
| 16-A | MPT-0370 | 1251400129115 | SIDE PANEL - LH - MATT BLACK | C161 | SIDE PANEL | | Matt Black | 1 |
| 16-A | MPT-0371 | 1251400129149 | SIDE PANEL - LH - GREY | C161 | SIDE PANEL | | Gloss Grey | 1 |
| 16-A | MPT-0372 | 1251400129153 | SIDE PANEL - LH - MATT GREEN | C161 | SIDE PANEL | | Matt Green | 1 |
| 16-A | MPT-0363 | 1251400115002 | SIDE PANEL - LH - GLOSS BLACK | C161 | SIDE PANEL | | Gloss Black | 1 |
| 16-A | MPT-0374 | 1251400169003 | SIDE PANEL - LH - MATT BLACK/SILVER | C161 | SIDE PANEL | | Matt Black/Silver | 1 |
| 16-A | MPT-1417 | 1251400169309 | SIDE PANEL - LH - MATT GREEN - NO DECAL | C161 | SIDE PANEL | | Matt Green | 1 |
| 17 | MPT-0388 | 1260300160000 | RUBBER RING A - SIDE PANEL | C149 | RUBBER RING | | No Colour | 5 |
| 18-A | MPT-0367 | 1251400127032 | SIDE PANEL - RH - MATT BLACK | C161 | SIDE PANEL | | Matt Black | 1 |
| 18-A | MPT-0368 | 1251400127049 | SIDE PANEL - RH - GREY | C161 | SIDE PANEL | | Gloss Grey | 1 |
| 18-A | MPT-0369 | 1251400127050 | SIDE PANEL - RH - MATT GREEN | C161 | SIDE PANEL | | Matt Green | 1 |
| 18-A | MPT-0364 | 1251400116002 | SIDE PANEL - RH - GLOSS BLACK | C161 | SIDE PANEL | | Gloss Black | 1 |
| 18-A | MPT-0373 | 1251400149003 | SIDE PANEL - RH - MATT BLACK/SILVER | C161 | SIDE PANEL | | Matt Black/Silver | 1 |
| 18-A | MPT-1418 | 1251400149309 | SIDE PANEL - RH - MATT GREEN - NO DECAL | C161 | SIDE PANEL | | Matt Green | 1 |
| 19 | MPT-0389 | 1260300170000 | RUBBER RING D - SIDE PANEL | C149 | RUBBER RING | | No Colour | 2 |
| 20 | MPT-0862 | 7013006035268 | HEX BOLT - FLANGED - M6x35 | C012 | BOLT | M6x35 | No Colour | 2 |
| 21 | MPT-0858 | 7013006020268 | HEX BOLT - FLANGED - M6x20 | C012 | BOLT | M6x20 | No Colour | 1 |
| 22 | MPT-0397 | 1260300410000 | CLAMP | C041 | CLAMP | ø6x11x53 | No Colour | 2 |
| 23 | MPT-0905 | 7032606000248 | HEX NUT - FLANGED - M6 | C118 | NUT | M6 | No Colour | 8 |
| 24 | MPT-0966 | 9890021000966 | BUFFER RUBBER | C021 | BUFFER RUBBER | | No Colour | 1 |
| 25 | MPT-0912 | 7034310000347 | HEX NUT - FLANGED - M10x1.25 | C118 | NUT | M10x1.25 | No Colour | 2 |
| 26 | MPT-0422 | 1261400141000 | RUBBER SLEEVE - INDICATORS | C151 | RUBBER SLEEVE | | No Colour | 2 |
| 27-B | MPT-0336 | 1221400272004 | FENDER - REAR - SHORT - GREY | C135 | REAR FENDER | | Gloss Grey | 1 |
| 27-B | MPT-0337 | 1221400272005 | FENDER - REAR - SHORT - MATT GREEN | C135 | REAR FENDER | SHORT | Matt Green | 1 |
| 27-B | MPT-0338 | 1221400272007 | FENDER - REAR - SHORT - MATT BLACK | C135 | REAR FENDER | SHORT | Matt Black | 1 |
| 27-B | MPT-0340 | 1221400273003 | FENDER - REAR - SHORT - BRUSHED | C135 | REAR FENDER | SHORT | Brushed Aluminium | 1 |
| 28-C | MPT-1379 | 1041400052000 | BRACKET - REAR FENDER - INNER - SHORT - STAMPED | C015 | BRACKET | | Black | 1 |
| 29 | MPT-0949 | 7513706012260 | LARGE HEXAGONAL FLAT HEAD SCREW - M6x12 | C152 | SCREW | M6x12 | No Colour | 2 |
| 30 | MPT-0056 | 1041000090002 | BRACKET - TAIL LIGHT - BLACK | C015 | BRACKET | | Black | 1 |

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| ENGINE | 125 | APPROVAL | EU5 | VERSION | 03 |
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| DIAGRAM REF. | GROUP REF. | GROUP | | | |
| F02C | F02 | REAR FENDER & SIDE PANELS | | | |



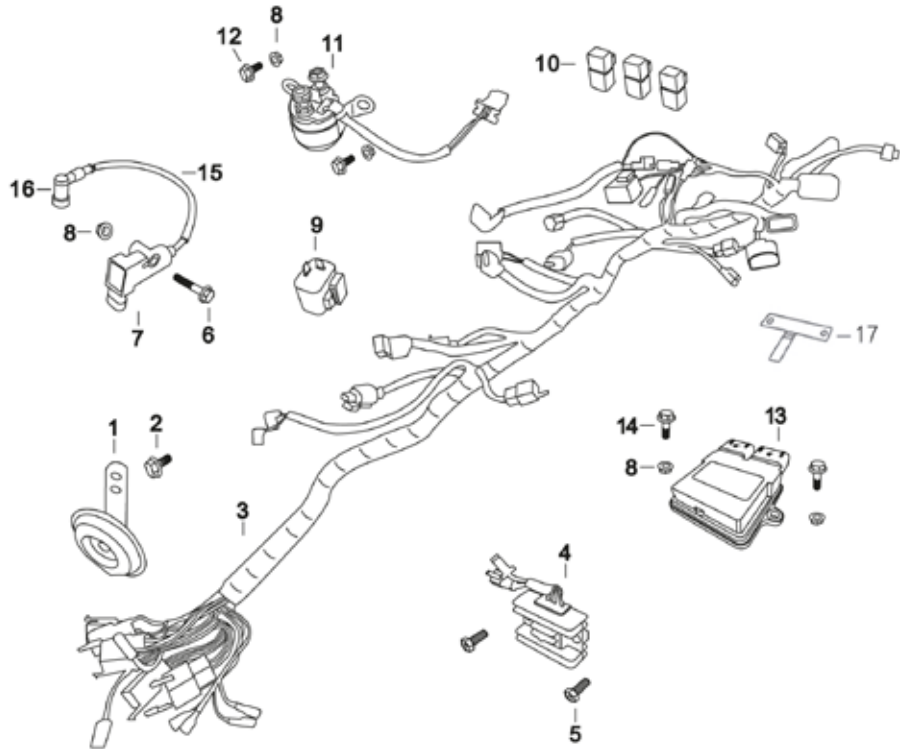
| ITEM NO. | MUTT PART NO. | BARCODE REF. | PART DESCRIPTION | CAT CODE | CATEGORY | SIZE | COLOUR | QTY. |
|----------|---------------|---------------|---|----------|---------------|----------|-------------------|------|
| 1 | MPT-0293 | 1171400069000 | TAIL LIGHT - BLACK | C193 | TAIL LIGHT | | Black | 1 |
| 2 | MPT-0427 | 1261700060000 | RUBBER PAD - TAIL LIGHT BRACKET | C148 | RUBBER PAD | | No Colour | 1 |
| 3 | MPT-0423 | 1261400940000 | REFLECTOR - REAR | C137 | REFLECTOR | M6 | No Colour | 1 |
| 4 | MPT-0053 | 1041000084002 | BRACKET - REAR REFLECTOR | C015 | BRACKET | | No Colour | 1 |
| 5 | MPT-0917 | 7050206181638 | WASHER - 6x18x1.6 | C206 | WASHER | 6x18x1.6 | No Colour | 4 |
| 6 | MPT-0291 | 1171000076300 | INDICATOR - REAR - LED - CNC - LH - BLACK | C102 | INDICATOR | | Black | 1 |
| 6-B | MPT-1419 | 1171000039000 | INDICATOR - FLEXI-LED - REAR - LH | C102 | INDICATOR | | No Colour | 1 |
| 7-B | MPT-0058 | 1041000114000 | BRACKET - REAR INDICATOR - CNC - LH | C015 | BRACKET | | Black | 1 |
| 8-B | MPT-0059 | 1041000115000 | BRACKET - REAR INDICATOR - CNC - RH | C015 | BRACKET | | Black | 1 |
| 9 | MPT-0292 | 1171000086300 | INDICATOR - REAR - LED - CNC - RH - BLACK | C102 | INDICATOR | | Black | 1 |
| 9-B | MPT-1420 | 1171000049000 | INDICATOR - FLEXI-LED - REAR - RH | C102 | INDICATOR | | No Colour | 1 |
| 10 | MPT-0841 | 7012808035168 | HEX BOLT - FLANGED - BLUE WHITE ZINC | C012 | BOLT | M5x35 | No Colour | 2 |
| 11 | MPT-1378 | 7032608000148 | HEX NUT - FLANGED - M8 | C118 | NUT | | No Colour | 2 |
| 12 | MPT-0380 | 1260200220000 | CHAIN BOX FLANGE WASHER | C206 | WASHER | | No Colour | 3 |
| 13 | MPT-0855 | 7013006012268 | HEX BOLT - FLANGED - M6x12 | C012 | BOLT | M6x12 | No Colour | 4 |
| 14 | MPT-0428 | 1263200090000 | ROUND RUBBER PAD | C148 | RUBBER PAD | | No Colour | 1 |
| 15 | MPT-0330 | 1220300142000 | REAR MUDGUARD FRONT | C135 | REAR FENDER | | No Colour | 1 |
| 16-B | MPT-0365 | 1251400117571 | SIDE PANEL - SUNKEN - LH - MATT BLACK | C161 | SIDE PANEL | | Black | 1 |
| 16-B | MPT-1421 | 1251400117309 | SIDE PANEL - SUNKEN - LH - COOL GLOSS GREY | C161 | SIDE PANEL | | Cool Gloss Grey | 1 |
| 17 | MPT-0388 | 1260300160000 | RUBBER RING A - SIDE PANEL | C149 | RUBBER RING | | No Colour | 5 |
| 18-B | MPT-0366 | 1251400125012 | SIDE PANEL - SUNKEN - RH - MATT BLACK | C161 | SIDE PANEL | | Black | 1 |
| 18-B | MPT-1422 | 1251400125022 | SIDE PANEL - SUNKEN - RH - COOL GLOSS GREY | C161 | SIDE PANEL | | Cool Gloss Grey | 1 |
| 19 | MPT-0389 | 1260300170000 | RUBBER RING D - SIDE PANEL | C149 | RUBBER RING | | No Colour | 2 |
| 20 | MPT-0862 | 7013006035268 | HEX BOLT - FLANGED - M6x35 | C012 | BOLT | M6x35 | No Colour | 2 |
| 21 | MPT-0858 | 7013006020268 | HEX BOLT - FLANGED - M6x20 | C012 | BOLT | M6x20 | No Colour | 1 |
| 22 | MPT-0397 | 1260300410000 | CLAMP | C041 | CLAMP | ø6x11x53 | No Colour | 2 |
| 23 | MPT-0905 | 7032606000248 | HEX NUT - FLANGED - M6 | C118 | NUT | M6 | No Colour | 8 |
| 24 | MPT-0966 | 9890021000966 | BUFFER RUBBER | C021 | BUFFER RUBBER | | No Colour | 1 |
| 25 | MPT-0912 | 7034310000347 | HEX NUT - FLANGED - M10x1.25 | C118 | NUT | | No Colour | 2 |
| 26 | MPT-0422 | 1261400141000 | RUBBER SLEEVE - INDICATORS | C151 | RUBBER SLEEVE | | No Colour | 2 |
| 27-B | MPT-0338 | 1221400272007 | FENDER - REAR - SHORT - MATT BLACK | C135 | REAR FENDER | SHORT | Matt Black | 1 |
| 27-B | MPT-0340 | 1221400273003 | FENDER - REAR - SHORT - BRUSHED | C135 | REAR FENDER | SHORT | Brushed Aluminium | 1 |
| 27-B | MPT-1423 | 1221400282007 | FENDER - REAR - SHORT - COOL GLOSS GREY | C135 | REAR FENDER | | Cool Gloss Grey | 1 |
| 28-C | MPT-1379 | 1041400052000 | BRACKET - REAR FENDER - INNER - SHORT - STAMPED | C015 | BRACKET | | Black | 1 |
| 29 | MPT-0949 | 7513706012260 | LARGE HEXAGONAL FLAT HEAD SCREW - M6x12 | C152 | SCREW | M6x12 | No Colour | 2 |
| 30 | MPT-0056 | 1041000090002 | BRACKET - TAIL LIGHT - BLACK | C015 | BRACKET | | Black | 1 |

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| ENGINE | 125 | APPROVAL | EU5 | VERSION | 03 |
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| DIAGRAM REF. | GROUP REF. | GROUP |
| F03A | F03 | ELECTRICS |

| ITEM NO. | MUTT PART NO. | BARCODE REF. | PART DESCRIPTION | CAT CODE | CATEGORY | SIZE | COLOUR | QTY. |
|----------|---------------|---------------|--------------------------------------|----------|---------------------|------------|-----------|------|
| 1 | MPT-0306 | 1181000060100 | HORN | C099 | HORN | | No Colour | 1 |
| 2 | MPT-0794 | 6301088000004 | BOLT - M8×12×1.25 | C012 | BOLT | M8×12×1.25 | No Colour | 1 |
| 3 | MPT-1425 | 1180400935000 | WIRING LOOM - MTN | C209 | WIRING LOOM | | No Colour | 1 |
| 4 | MPT-1424 | 1181400042000 | REGULATOR/RECTIFIER - MTN | C138 | REGULATOR/RECTIFIER | | No Colour | 1 |
| 5 | MPT-0806 | 7011006020168 | CROSS RECESSED HEX BOLT - M6×12 | C012 | BOLT | M6×12 | No Colour | 2 |
| 6 | MPT-0862 | 7013006035268 | HEX BOLT - FLANGED - M6×35 | C012 | BOLT | M6×35 | No Colour | 1 |
| 7 | MPT-0296 | 1180300018100 | IGNITION COIL - WITHOUT CABLE | C101 | IGNITOR | | No Colour | 1 |
| 8 | MPT-0905 | 7032606000248 | HEX NUT - FLANGED - M6 | C118 | NUT | M6 | No Colour | 5 |
| 9 | MPT-0310 | 1181400060000 | INDICATOR RELAY - LED - 12V | C139 | RELAY | | No Colour | 1 |
| 10 | MPT-0307 | 1181400001000 | FUEL PUMP RELAY | C139 | RELAY | | No Colour | 3 |
| 11 | MPT-0298 | 1180300030000 | STARTER RELAY | C181 | STARTER RELAY | | No Colour | 1 |
| 12 | MPT-0855 | 7013006012268 | HEX BOLT - FLANGED - M6×12 | C012 | BOLT | M6×12 | No Colour | 2 |
| 13 | MPT-1426 | 1114200050000 | ECU - MTN | C070 | ECU | | No Colour | 1 |
| 14 | MPT-0856 | 7013006016179 | HEX BOLT - FLANGED - M6×16 | C012 | BOLT | M6×16 | No Colour | 2 |
| 15 | MPT-0297 | 1180300018300 | IGNITION COIL CABLE | C101 | IGNITOR | | No Colour | 1 |
| 16 | MPT-0470 | 1650400002000 | SPARK PLUG CAP - NGK | C168 | SPARK PLUG | | No Colour | 1 |
| 17 | MPT-1427 | 1041400056000 | BRACKET - OIL PUMP RELAY - ECU - MTN | C015 | BRACKET | | No Colour | 1 |

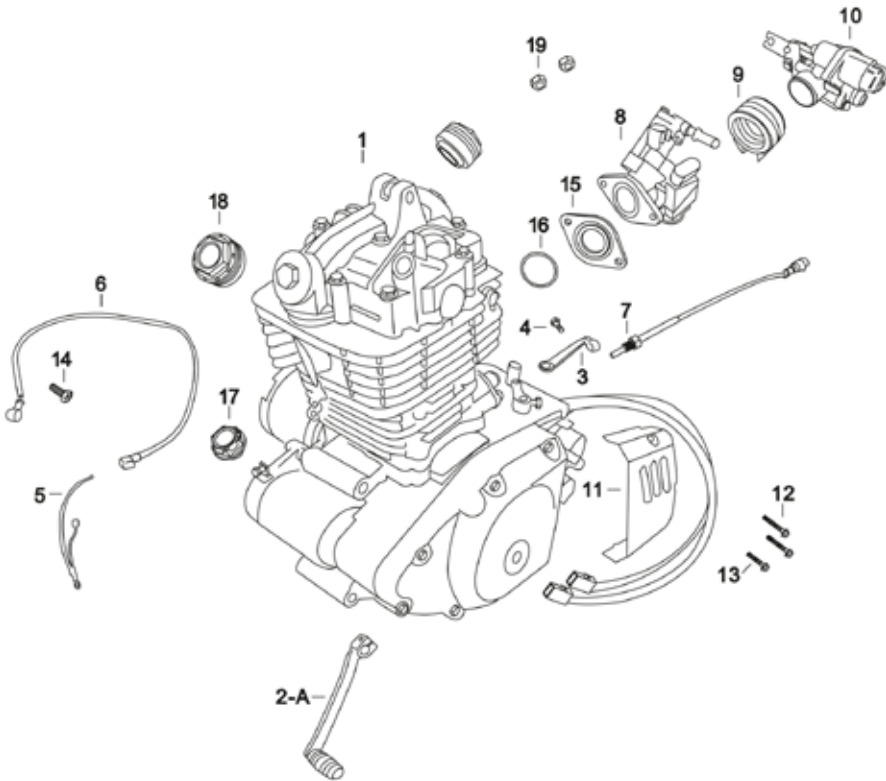


125EU503-F04A



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| ENGINE | 125 | APPROVAL | EU5 | VERSION | 03 |
| | | | | | |
| DIAGRAM REF. | GROUP REF. | GROUP | | | |
| F04A | F04 | ENGINE | | | |

| ITEM NO. | MUTT PART NO. | BARCODE REF. | PART DESCRIPTION | CAT CODE | CATEGORY | SIZE | COLOUR | QTY. |
|----------|---------------|---------------|--|----------|------------------------|--------|-----------|------|
| 1 | MPT-1240 | 6102191414102 | ENGINE - GS125 - BLACK | C072 | ENGINE | | Black | 1 |
| 2-A | MPT-0043 | 1040400122000 | GEAR LEVER - BLACK | C109 | LEVER | | Black | 1 |
| 2-A | MPT-0042 | 1040400120000 | GEAR LEVER - SILVER | C109 | LEVER | | Chrome | 1 |
| 3 | MPT-0630 | 6260050090000 | CLUTCH ARM | C046 | CLUTCH ARM | | No Colour | 1 |
| 4 | MPT-0946 | 7512406010164 | SCREW - M6×16 | C152 | SCREW | M6×16 | Chrome | 1 |
| 5 | MPT-0965 | 1180200080000 | NEGATIVE WIRE | C208 | WIRE | | No Colour | 1 |
| 6 | MPT-0302 | 1180400102000 | STARTER MOTOR WIRE | C208 | WIRE | 1050mm | No Colour | 1 |
| 7 | MPT-0181 | 1114111002000 | CYLINDER WALL TEMPERATURE SENSOR | C159 | SENSOR | | No Colour | 1 |
| 8 | MPT-0480 | 6202040013000 | FUEL INJECTOR ASSEMBLY | C085 | FUEL INJECTOR ASSEMBLY | | No Colour | 1 |
| 8-1 | MPT-0588 | 6260030062100 | O-RING - FUEL INJECTION - ORANGE RUBBER | C119 | O-RING | | No Colour | 1 |
| 8-2 | MPT-0341 | 1223904030000 | AIR TEMPERATURE (PRESSURE) SENSOR | C159 | SENSOR | | No Colour | 1 |
| 8-3 | MPT-0342 | 1223904040000 | THROTTLE POSITION SENSOR | C159 | SENSOR | | No Colour | 1 |
| 8-4 | MPT-0343 | 1223904050000 | AIR IDLE SENSOR (IDLE STEP MOTOR) | C159 | SENSOR | | No Colour | 1 |
| 9 | MPT-0591 | 6260030067000 | RUBBER HOOP (WITH CLAMPS) | C147 | RUBBER HOOP | | No Colour | 1 |
| 10 | MPT-0189 | 1114111006300 | THROTTLE BODY | C197 | THROTTLE | | No Colour | 1 |
| 11 | MPT-0488 | 6250001004002 | SPROCKET COVER | C178 | SPROCKET COVER | | No Colour | 1 |
| 12 | MPT-0823 | 7012805026158 | HEX BOLT - FLANGED - M5×20 - FUEL PUMP - 17 LITRE TANK | C012 | BOLT | M5×20 | No Colour | 2 |
| 13 | MPT-0819 | 7012805016158 | BOLT - M5×16 | C012 | BOLT | M5×16 | No Colour | 1 |
| 14 | MPT-0803 | 7011005010158 | CROSS RECESSED HEX BOLT - M5×10 | C012 | BOLT | M5×10 | No Colour | 1 |
| 15 | MPT-0584 | 6260030061000 | SPACER - FUEL INJECTION - PLASTIC | C166 | SPACER | | No Colour | 1 |
| 16 | MPT-0585 | 6260030061001 | O-RING - FUEL INJECTION - BLACK RUBBER | C119 | O-RING | | Black | 1 |
| 17 | MPT-0492 | 6260010020001 | OIL FILLER CAP - CNC - BLACK | C121 | OIL FILLER CAP | | Black | 1 |
| 18 | MPT-0765 | 6261025080000 | ENGINE VALVE COVER - CNC - BLACK | C204 | VALVE COVER | | Black | 2 |
| 19 | MPT-0893 | 7031906000104 | HEX NUT - M6 | C118 | NUT | M6 | No Colour | 2 |



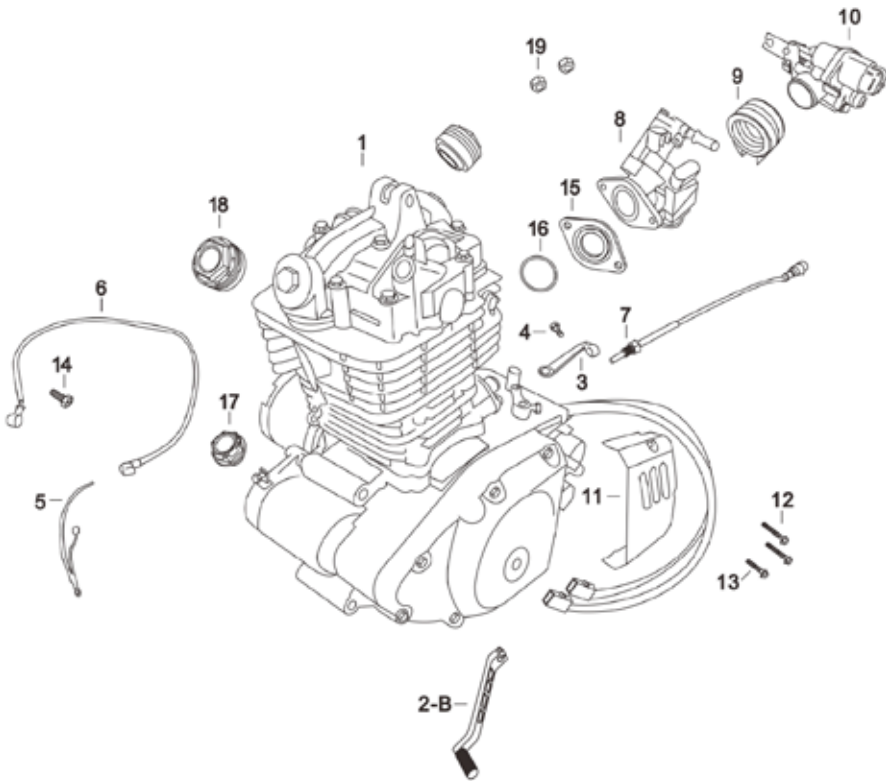
125EU503-F04B



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| ENGINE | 125 | APPROVAL | EU5 | VERSION | 03 |
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| DIAGRAM REF. | GROUP REF. | GROUP |
| F04B | F04 | ENGINE |

| ITEM NO. | MUTT PART NO. | BARCODE REF. | PART DESCRIPTION | CAT CODE | CATEGORY | SIZE | COLOUR | QTY. |
|----------|---------------|---------------|--|----------|------------------------|--------|-----------|------|
| 1 | MPT-1240 | 6102191414102 | ENGINE - GS125 - BLACK | C072 | ENGINE | | Black | 1 |
| 2-B | MPT-0036 | 1040300489002 | GEAR LEVER - CNC - BLACK | C109 | LEVER | | Black | 1 |
| 3 | MPT-0630 | 6260050090000 | CLUTCH ARM | C046 | CLUTCH ARM | | No Colour | 1 |
| 4 | MPT-0946 | 7512406010164 | SCREW - M6×16 | C152 | SCREW | M6×16 | Chrome | 1 |
| 5 | MPT-0965 | 1180200080000 | NEGATIVE WIRE | C208 | WIRE | | No Colour | 1 |
| 6 | MPT-0302 | 1180400102000 | STARTER MOTOR WIRE | C208 | WIRE | 1050mm | No Colour | 1 |
| 7 | MPT-0181 | 1114111002000 | CYLINDER WALL TEMPERATURE SENSOR | C159 | SENSOR | | No Colour | 1 |
| 8 | MPT-0480 | 6202040013000 | FUEL INJECTOR ASSEMBLY | C085 | FUEL INJECTOR ASSEMBLY | | No Colour | 1 |
| 8-1 | MPT-0588 | 6260030062100 | O-RING - FUEL INJECTION - ORANGE RUBBER | C119 | O-RING | | No Colour | 1 |
| 8-2 | MPT-0341 | 1223904030000 | AIR TEMPERATURE (PRESSURE) SENSOR | C159 | SENSOR | | No Colour | 1 |
| 8-3 | MPT-0342 | 1223904040000 | THROTTLE POSITION SENSOR | C159 | SENSOR | | No Colour | 1 |
| 8-4 | MPT-0343 | 1223904050000 | AIR IDLE SENSOR (IDLE STEP MOTOR) | C159 | SENSOR | | No Colour | 1 |
| 9 | MPT-0591 | 6260030067000 | RUBBER HOOP (WITH CLAMPS) | C147 | RUBBER HOOP | | No Colour | 1 |
| 10 | MPT-0189 | 1114111006300 | THROTTLE BODY | C197 | THROTTLE | | No Colour | 1 |
| 11 | MPT-0488 | 6250001004002 | SPROCKET COVER | C178 | SPROCKET COVER | | No Colour | 1 |
| 12 | MPT-0823 | 7012805026158 | HEX BOLT - FLANGED - M5×20 - FUEL PUMP - 17 LITRE TANK | C012 | BOLT | M5×20 | No Colour | 2 |
| 13 | MPT-0819 | 7012805016158 | BOLT - M5×16 | C012 | BOLT | M5×16 | No Colour | 1 |
| 14 | MPT-0803 | 7011005010158 | CROSS RECESSED HEX BOLT - M5×10 | C012 | BOLT | M5×10 | No Colour | 1 |
| 15 | MPT-0584 | 6260030061000 | SPACER - FUEL INJECTION - PLASTIC | C166 | SPACER | | No Colour | 1 |
| 16 | MPT-0585 | 6260030061001 | O-RING - FUEL INJECTION - BLACK RUBBER | C119 | O-RING | | Black | 1 |
| 17 | MPT-0492 | 6260010020001 | OIL FILLER CAP - CNC - BLACK | C121 | OIL FILLER CAP | | Black | 1 |
| 18 | MPT-0765 | 6261025080000 | ENGINE VALVE COVER - CNC - BLACK | C204 | VALVE COVER | | Black | 2 |
| 19 | MPT-0893 | 7031906000104 | HEX NUT - M6 | C118 | NUT | M6 | No Colour | 2 |
| 19 | MPT-0893 | 7031906000104 | HEX NUT - M6 | C118 | NUT | M6 | No Colour | 2 |

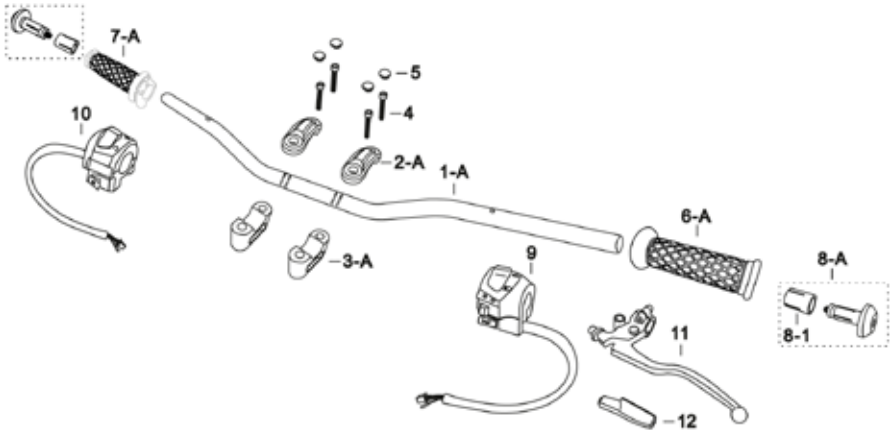


125EU503-F05A



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| ENGINE | 125 | APPROVAL | EU5 | VERSION | 03 |
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| DIAGRAM REF. | GROUP REF. | GROUP | | | |
| F05A | F05 | HANDLEBARS | | | |

| ITEM NO. | MUTT PART NO. | BARCODE REF. | PART DESCRIPTION | CAT CODE | CATEGORY | SIZE | COLOUR | QTY. |
|----------|---------------|---------------|---|----------|---------------------|-------|-------------------|------|
| 1-A | MPT-0241 | 1130100083000 | HANDLEBAR - MUTT - MATT BLACK | C095 | HANDLEBAR | | Matt Black | 1 |
| 2-A | MPT-0236 | 1130100077920 | HANDLEBAR MOUNT - TOP - CNC - BLACK | C117 | MOUNT | | Black | 2 |
| 3-A | MPT-0237 | 1130100078020 | HANDLEBAR MOUNT - LOWER - CNC - BLACK | C117 | MOUNT | | Black | 2 |
| 4 | MPT-0892 | 7024908055167 | HEX SOCKET HEAD SCREW - M8x55 | C152 | SCREW | M8x55 | No Colour | 4 |
| 5 | MPT-0115 | 1051000050000 | BUTTON - BLACK | C024 | BUTTON | | Black | 4 |
| 6-A | MPT-0414 | 1261400032000 | GRIP - LEFT BAR - BROWN | C092 | GRIP | | Brown | 1 |
| 7-A | MPT-0417 | 1261400044000 | GRIP - RIGHT BAR - BROWN | C092 | GRIP | | Brown | 1 |
| 8-A | MPT-0244 | 1139900015000 | HANDLEBAR END - BLACK - INCLUDES SLEEVE | C096 | HANDLEBAR END | | Black | 2 |
| 8-1 | MPT-0243 | 1139900008300 | HANDLEBAR SLEEVE - OUTSIDE ONE | C165 | SLEEVE | | Brushed Aluminium | 2 |
| 9 | MPT-0300 | 1180300123000 | SWITCHGEAR - LH | C219 | SWITCHGEAR | | No Colour | 1 |
| 10 | MPT-0301 | 1180300233000 | SWITCHGEAR - RH | C219 | SWITCHGEAR | | No Colour | 1 |
| 11 | MPT-0295 | 1180200115100 | CLUTCH LEVER ASSEMBLY | C109 | LEVER | | Black | 1 |
| 12 | MPT-0377 | 1260200010000 | CLUTCH CABLE SHEATH | C048 | CLUTCH CABLE SHEATH | | No Colour | 1 |



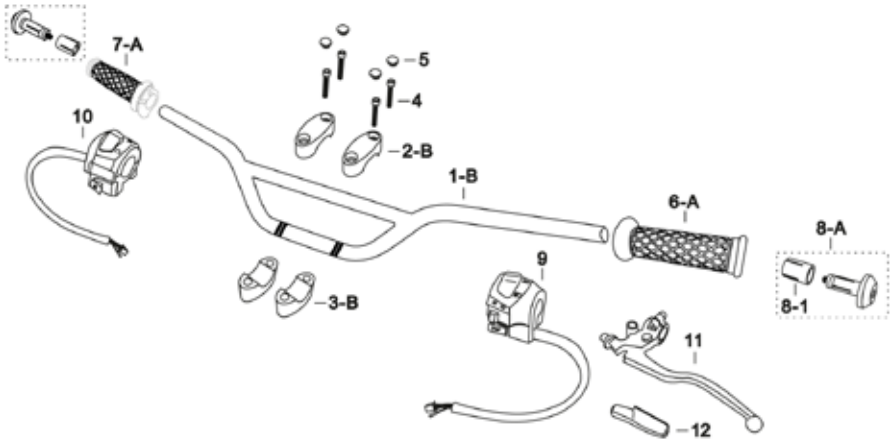
125EU503-F05B



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| ENGINE | 125 | APPROVAL | EU5 | VERSION | 03 |
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| DIAGRAM REF. | GROUP REF. | GROUP |
| F05B | F05 | HANDLEBARS |

| ITEM NO. | MUTT PART NO. | BARCODE REF. | PART DESCRIPTION | CAT CODE | CATEGORY | SIZE | COLOUR | QTY. |
|----------|---------------|---------------|---|----------|---------------------|-------|-----------|------|
| 1-B | MPT-0242 | 1130100084000 | HANDLEBAR - CROSSBAR - BLACK | C095 | HANDLEBAR | | Black | 1 |
| 2-B | MPT-0234 | 1130100077720 | HANDLEBAR MOUNT - TOP - BLACK | C117 | MOUNT | | Black | 2 |
| 3-B | MPT-0235 | 1130100077820 | HANDLEBAR MOUNT - LOWER - BLACK | C117 | MOUNT | | Black | 2 |
| 4 | MPT-0892 | 7024908055167 | HEX SOCKET HEAD SCREW - M8x55 | C152 | SCREW | M8x55 | No Colour | 4 |
| 5 | MPT-0115 | 1051000050000 | BUTTON - BLACK | C024 | BUTTON | | Black | 4 |
| 6-A | MPT-0415 | 1261400033000 | GRIP - LEFT BAR - BLACK | C092 | GRIP | | Black | 1 |
| 7-A | MPT-0418 | 1261400045000 | GRIP - RIGHT BAR - BLACK | C092 | GRIP | | Black | 1 |
| 8-A | MPT-0244 | 1139900015000 | HANDLEBAR END - BLACK - INCLUDES SLEEVE | C096 | HANDLEBAR END | | Black | 2 |
| 9 | MPT-0300 | 1180300123000 | SWITCHGEAR - LH | C219 | SWITCHGEAR | | No Colour | 1 |
| 10 | MPT-0301 | 1180300233000 | SWITCHGEAR - RH | C219 | SWITCHGEAR | | No Colour | 1 |
| 11 | MPT-0295 | 1180200115100 | CLUTCH LEVER ASSEMBLY | C109 | LEVER | | Black | 1 |
| 12 | MPT-0377 | 1260200010000 | CLUTCH CABLE SHEATH | C048 | CLUTCH CABLE SHEATH | | No Colour | 1 |

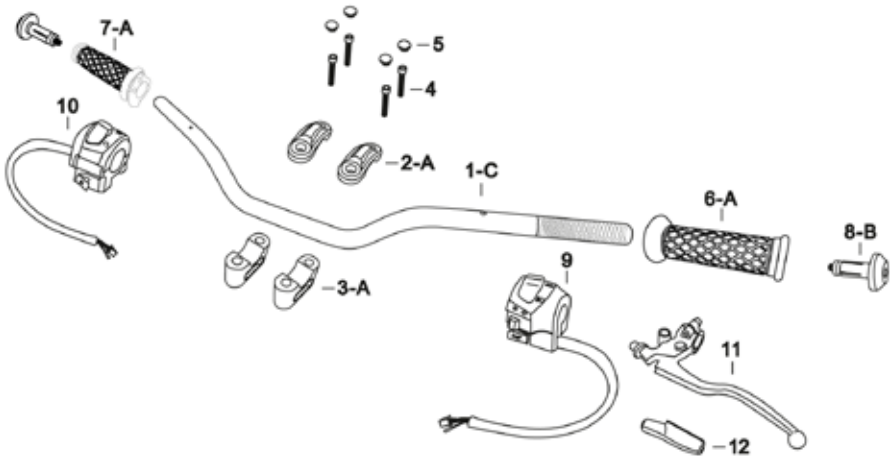


125EU503-F05C



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| ENGINE | 125 | APPROVAL | EU5 | VERSION | 03 |
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| DIAGRAM REF. | GROUP REF. | GROUP | | | |
| F05C | F05 | HANDLEBARS | | | |

| ITEM NO. | MUTT PART NO. | BARCODE REF. | PART DESCRIPTION | CAT CODE | CATEGORY | SIZE | COLOUR | QTY. |
|----------|---------------|---------------|---------------------------------------|----------|---------------------|-------------|--------------------|------|
| 1-C | MPT-0239 | 1130100080200 | HANDLEBAR - MUTT - BLACK | C095 | HANDLEBAR | 730mm,ø22mm | Matt Black | 1 |
| 1-C | MPT-0238 | 1130100080100 | HANDLEBAR - MUTT - BRUSHED (POLISHED) | C095 | HANDLEBAR | 730mm,ø22mm | Polished Aluminium | 1 |
| 1-C | MPT-0240 | 1130100080300 | HANDLEBAR - MUTT - BRUSHED (MATT) | C095 | HANDLEBAR | 730mm,ø22mm | Polished Aluminium | 1 |
| 2-A | MPT-0236 | 1130100077920 | HANDLEBAR MOUNT - TOP - CNC - BLACK | C117 | MOUNT | | Black | 2 |
| 3-A | MPT-0237 | 1130100078020 | HANDLEBAR MOUNT - LOWER - CNC - BLACK | C117 | MOUNT | | Black | 2 |
| 4 | MPT-0892 | 7024908055167 | HEX SOCKET HEAD SCREW - M8x55 | C152 | SCREW | M8x55 | No Colour | 4 |
| 5 | MPT-0115 | 1051000050000 | BUTTON - BLACK | C024 | BUTTON | | Black | 4 |
| 6-A | MPT-0414 | 1261400032000 | GRIP - LEFT BAR - BROWN | C092 | GRIP | | Brown | 1 |
| 6-A | MPT-0415 | 1261400033000 | GRIP - LEFT BAR - BLACK | C092 | GRIP | | Black | 1 |
| 7-A | MPT-0417 | 1261400044000 | GRIP - RIGHT BAR - BROWN | C092 | GRIP | | Brown | 1 |
| 7-A | MPT-0418 | 1261400045000 | GRIP - RIGHT BAR - BLACK | C092 | GRIP | | Black | 1 |
| 8-B | MPT-0245 | 1139900016000 | HANDLEBAR END - MUTT-R - BLACK | C096 | HANDLEBAR END | | Black | 2 |
| 9 | MPT-0300 | 1180300123000 | SWITCHGEAR - LH | C219 | SWITCHGEAR | | No Colour | 1 |
| 10 | MPT-0301 | 1180300233000 | SWITCHGEAR - RH | C219 | SWITCHGEAR | | No Colour | 1 |
| 11 | MPT-0295 | 1180200115100 | CLUTCH LEVER ASSEMBLY | C109 | LEVER | | Black | 1 |
| 11-1 | MPT-1428 | 1141400015020 | CLUTCH LEVER - CNC | C109 | LEVER | | No Colour | 1 |
| 11-2 | MPT-1429 | 1180200115200 | CONNECTOR - CLUTCH LEVER - CNC | C109 | LEVER | | No Colour | 1 |
| 12 | MPT-0377 | 1260200010000 | CLUTCH CABLE SHEATH | C048 | CLUTCH CABLE SHEATH | | No Colour | 1 |

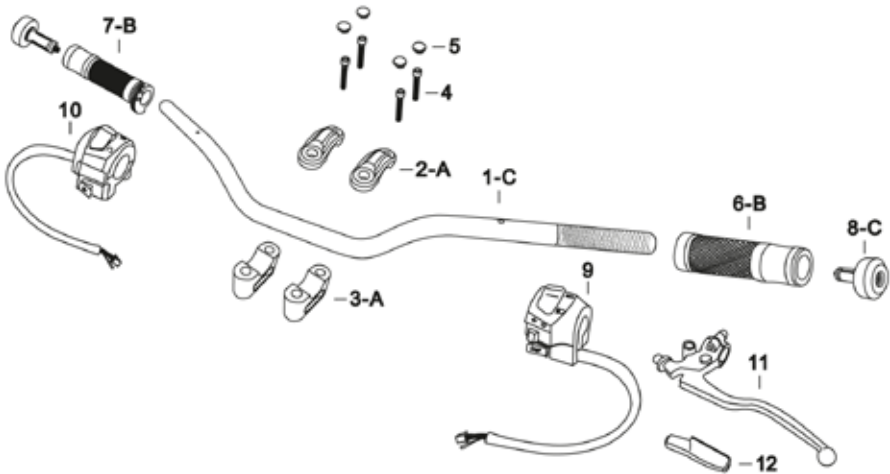


125EU503-F05D



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| ENGINE | 125 | APPROVAL | EU5 | VERSION | 03 |
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| DIAGRAM REF. | GROUP REF. | GROUP | | | |
| F05D | F05 | HANDLEBARS | | | |

| ITEM NO. | MUTT PART NO. | BARCODE REF. | PART DESCRIPTION | CAT CODE | CATEGORY | SIZE | COLOUR | QTY. |
|----------|---------------|---------------|---------------------------------------|----------|---------------------|-------------|------------|------|
| 1-C | MPT-0239 | 1130100080200 | HANDLEBAR - MUTT - BLACK | C095 | HANDLEBAR | 730mm,ø22mm | Matt Black | 1 |
| 2-A | MPT-0236 | 1130100077920 | HANDLEBAR MOUNT - TOP - CNC - BLACK | C117 | MOUNT | | Black | 2 |
| 3-A | MPT-0237 | 1130100078020 | HANDLEBAR MOUNT - LOWER - CNC - BLACK | C117 | MOUNT | | Black | 2 |
| 4 | MPT-0892 | 7024908055167 | HEX SOCKET HEAD SCREW - M8x55 | C152 | SCREW | M8x55 | No Colour | 4 |
| 5 | MPT-0115 | 1051000050000 | BUTTON - BLACK | C024 | BUTTON | | Black | 4 |
| 6-B | MPT-0416 | 1261400033100 | GRIP - LEFT BAR - 2020 - BLACK | C092 | GRIP | | Black | 1 |
| 7-B | MPT-0419 | 1261400045100 | GRIP - RIGHT BAR - 2020 - BLACK | C092 | GRIP | | Black | 1 |
| 8-C | MPT-0246 | 1139900018000 | HANDLEBAR END - MUTT-R - 2020 - BLACK | C096 | HANDLEBAR END | | Black | 2 |
| 9 | MPT-0300 | 1180300123000 | SWITCHGEAR - LH | C219 | SWITCHGEAR | | No Colour | 1 |
| 10 | MPT-0301 | 1180300233000 | SWITCHGEAR - RH | C219 | SWITCHGEAR | | No Colour | 1 |
| 11 | MPT-0295 | 1180200115100 | CLUTCH LEVER ASSEMBLY | C109 | LEVER | | Black | 1 |
| 12 | MPT-0377 | 1260200010000 | CLUTCH CABLE SHEATH | C048 | CLUTCH CABLE SHEATH | | No Colour | 1 |

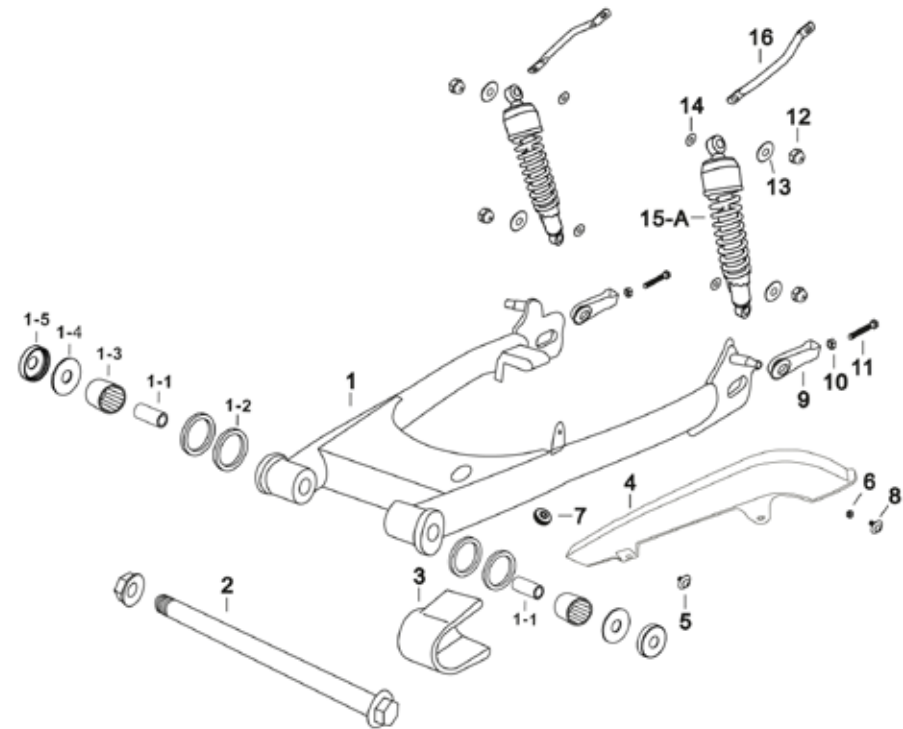


125EU503-F06A



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| ENGINE | 125 | APPROVAL | EU5 | VERSION | 03 |
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| DIAGRAM REF. | GROUP REF. | GROUP |
| F06A | F06 | SWINGARM & REAR SHOCKS |



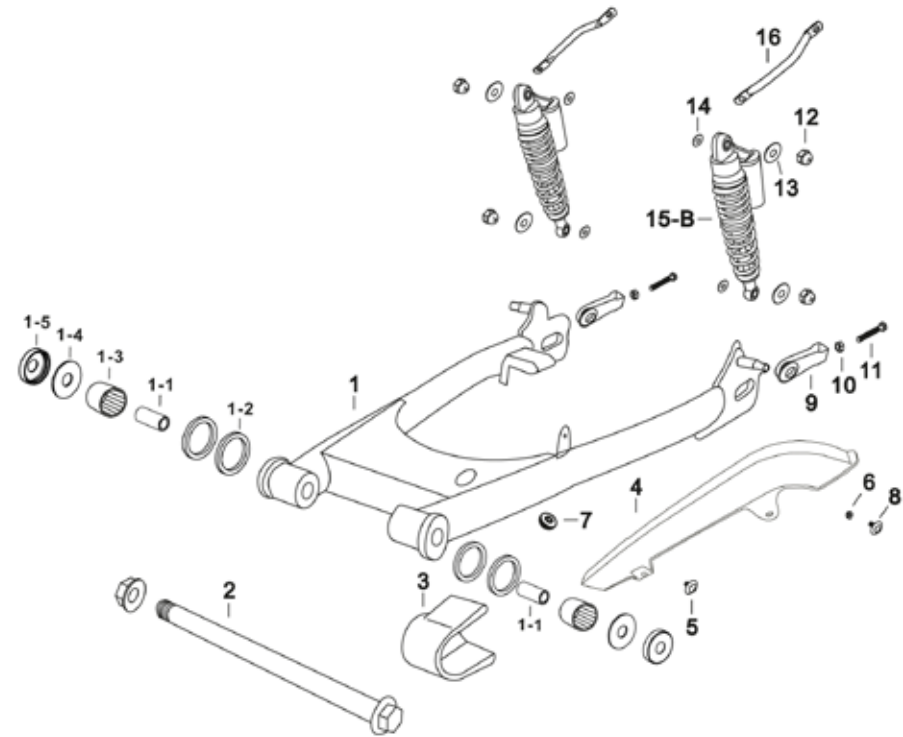
| ITEM NO. | MUTT PART NO. | BARCODE REF. | PART DESCRIPTION | CAT CODE | CATEGORY | SIZE | COLOUR | QTY. |
|----------|---------------|---------------|-------------------------------------|----------|----------------|--------------|-------------------|------|
| 1 | MPT-1380 | 1041400151000 | SWINGARM - REAR - COMPLETE - 2021 | C187 | SWINGARM | | Black | 1 |
| 1-1 | MPT-1381 | 1511000017000 | SWINGARM INNER BUSHING - 2021 | C023 | BUSHING | | No Colour | 2 |
| 1-2 | MPT-0444 | 1511000015000 | OIL SEAL | C124 | OIL SEAL | | No Colour | 2 |
| 1-3 | MPT-0447 | 1550100016310 | SWINGARM - NEEDLE ROLLER BEARINGS | C011 | BEARING | ø20xø27x30mm | No Colour | 2 |
| 1-4 | MPT-0446 | 1511400080000 | INNER WASHER | C206 | WASHER | | No Colour | 2 |
| 1-5 | MPT-0445 | 1511000016000 | DUST COVER | C054 | COVER | | No Colour | 2 |
| 2 | MPT-0024 | 1040100128000 | SWINGARM SHAFT | C188 | SWINGARM SHAFT | | No Colour | 1 |
| 3 | MPT-0395 | 1260300291000 | CHAIN SLIDER - HIGHER | C039 | CHAIN SLIDER | | No Colour | 1 |
| 4 | MPT-0333 | 1221000021000 | CHAIN GUARD | C038 | CHAIN GUARD | | No Colour | 1 |
| 5 | MPT-1382 | 7511806012164 | SCREW - M6x12 | C152 | SCREW | | No Colour | 1 |
| 6 | MPT-0905 | 7032606000248 | HEX NUT - FLANGED - M6 | C118 | NUT | M6 | No Colour | 1 |
| 7 | MPT-0390 | 1260300190000 | RUBBER RING - CHAIN GUARD | C149 | RUBBER RING | | No Colour | 1 |
| 8 | MPT-0885 | 7023906030164 | CROSS LARGE FLAT HEAD SCREW - M6x25 | C152 | SCREW | M6x25 | No Colour | 1 |
| 9 | MPT-0032 | 1040300351000 | CHAIN ADJUSTER - STAINLESS STEEL | C037 | CHAIN ADJUSTER | | Stainless Steel | 2 |
| 10 | MPT-0897 | 7031908000248 | HEX NUT - M8 | C118 | NUT | M8 | No Colour | 2 |
| 11 | MPT-0959 | 7630308050268 | HEX BOLT - M8x50 | C012 | BOLT | M8x50 | No Colour | 2 |
| 12 | MPT-0908 | 7033710000245 | CAP NUT - CNC - BLACK - M10x1.25 | C034 | CAP NUT | M10x1.25 | Black | 4 |
| 12 | MPT-0909 | 7033710000246 | CAP NUT - CNC - BRUSHED - M10x1.25 | C034 | CAP NUT | M10x1.25 | Brushed Aluminium | 4 |
| 13 | MPT-0918 | 7050210302538 | WASHER - 10x30x2.5 | C206 | WASHER | 10x30x2.5 | No Colour | 4 |
| 14 | MPT-0921 | 7050312242538 | WASHER - 12x24x2.5 | C206 | WASHER | 12x24x2.5 | No Colour | 4 |
| 15-A | MPT-0167 | 1100400056309 | SHOCK - REAR - 370MM - X - BLACK | C136 | REAR SHOCK | 370mm | Black | 2 |
| 15-A | MPT-0168 | 1100400056409 | SHOCK - REAR - 370MM - X - CHROME | C136 | REAR SHOCK | 370mm | Chrome | 2 |
| 16 | MPT-0077 | 1041400123300 | GRABRAIL - REAR - BLACK - RH | C007 | GRABRAIL | | Black | 1 |
| 16 | MPT-0078 | 1041400123400 | GRABRAIL - REAR - BLACK - LH | C007 | GRABRAIL | | Black | 1 |
| 16 | MPT-0075 | 1041400123000 | GRABRAIL - REAR - CHROME - LH | C007 | GRABRAIL | | Chrome | 1 |
| 16 | MPT-0076 | 1041400123100 | GRABRAIL - REAR - CHROME - RH | C007 | GRABRAIL | | Chrome | 1 |
| 17 | MPT-0384 | 1260300070000 | RUBBER GROMMET - BATTERY | C146 | RUBBER GROMMET | | No Colour | 1 |
| 18 | MPT-0382 | 1260300060000 | BATTERY BUSH BRACE - SMALL | C022 | BUSH BRACE | SMALL | No Colour | 1 |

125EU503-F06B



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| ENGINE | 125 | APPROVAL | EU5 | VERSION | 03 |
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| DIAGRAM REF. | GROUP REF. | GROUP |
| F06B | F06 | SWINGARM & REAR SHOCKS |



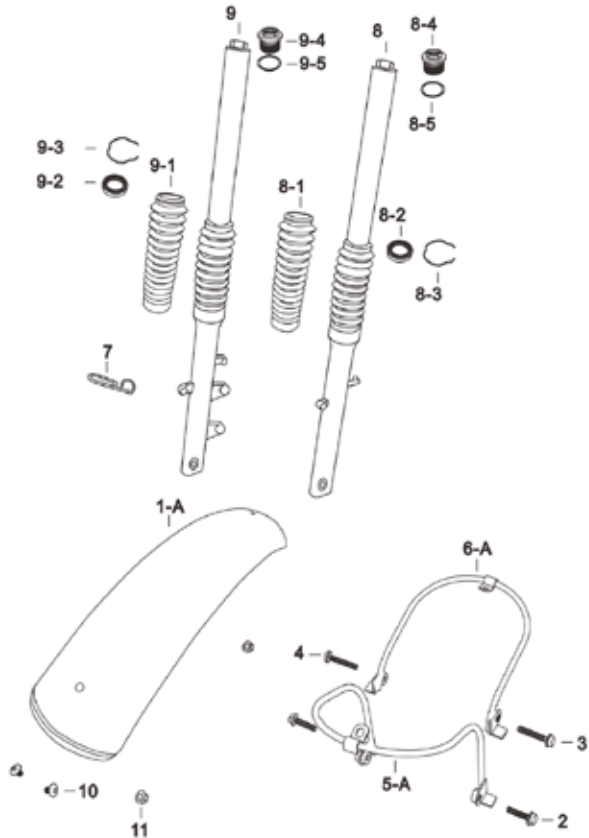
| ITEM NO. | MUTT PART NO. | BARCODE REF. | PART DESCRIPTION | CAT CODE | CATEGORY | SIZE | COLOUR | QTY. |
|----------|---------------|---------------|---|----------|----------------|--------------|-----------------|------|
| 1 | MPT-1380 | 1041400151000 | SWINGARM - REAR - COMPLETE - 2021 | C187 | SWINGARM | | Black | 1 |
| 1-1 | MPT-1381 | 1511000017000 | SWINGARM INNER BUSHING - 2021 | C023 | BUSHING | | No Colour | 2 |
| 1-2 | MPT-0444 | 1511000015000 | OIL SEAL | C124 | OIL SEAL | | No Colour | 2 |
| 1-3 | MPT-0447 | 1550100016310 | SWINGARM - NEEDLE ROLLER BEARINGS | C011 | BEARING | ø20xø27x30mm | No Colour | 2 |
| 1-4 | MPT-0446 | 1511400080000 | INNER WASHER | C206 | WASHER | | No Colour | 2 |
| 1-5 | MPT-0445 | 1511000016000 | DUST COVER | C054 | COVER | | No Colour | 2 |
| 2 | MPT-0024 | 1040100128000 | SWINGARM SHAFT | C188 | SWINGARM SHAFT | | No Colour | 1 |
| 3 | MPT-0395 | 1260300291000 | CHAIN SLIDER - HIGHER | C039 | CHAIN SLIDER | | No Colour | 1 |
| 4 | MPT-0333 | 1221000021000 | CHAIN GUARD | C038 | CHAIN GUARD | | No Colour | 1 |
| 5 | MPT-1382 | 7511806012164 | SCREW - M6x12 | C152 | SCREW | | No Colour | 1 |
| 6 | MPT-0905 | 7032606000248 | HEX NUT - FLANGED - M6 | C118 | NUT | M6 | No Colour | 1 |
| 7 | MPT-0390 | 1260300190000 | RUBBER RING - CHAIN GUARD | C149 | RUBBER RING | | No Colour | |
| 8 | MPT-0885 | 7023906030164 | CROSS LARGE FLAT HEAD SCREW - M6x25 | C152 | SCREW | M6x25 | No Colour | |
| 9 | MPT-0032 | 1040300351000 | CHAIN ADJUSTER - STAINLESS STEEL | C037 | CHAIN ADJUSTER | | Stainless Steel | 2 |
| 10 | MPT-0897 | 7031908000248 | HEX NUT - M8 | C118 | NUT | M8 | No Colour | 2 |
| 11 | MPT-0959 | 7630308050268 | HEX BOLT - M8x50 | C012 | BOLT | M8x50 | No Colour | 2 |
| 12 | MPT-0908 | 7033710000245 | CAP NUT - CNC - BLACK - M10x1.25 | C034 | CAP NUT | M10x1.25 | Black | 4 |
| 13 | MPT-0918 | 7050210302538 | WASHER - 10x30x2.5 | C206 | WASHER | 10x30x2.5 | No Colour | 4 |
| 14 | MPT-0921 | 7050312242538 | WASHER - 12x24x2.5 | C206 | WASHER | 12x24x2.5 | No Colour | 4 |
| 15-B | MPT-0164 | 1100400055922 | SHOCK - REAR - 370MM - PIGGY BACK - BLACK | C136 | REAR SHOCK | 370mm | Black | 2 |
| 16 | MPT-0077 | 1041400123300 | GRABRAIL - REAR - BLACK - RH | C007 | GRABRAIL | | Black | 1 |
| 16 | MPT-0078 | 1041400123400 | GRABRAIL - REAR - BLACK - LH | C007 | GRABRAIL | | Black | 1 |
| 17 | MPT-0384 | 1260300070000 | RUBBER GROMMET - BATTERY | C146 | RUBBER GROMMET | | No Colour | 1 |
| 18 | MPT-0382 | 1260300060000 | BATTERY BUSH BRACE - SMALL | C022 | BUSH BRACE | SMALL | No Colour | 1 |

125EU503-F07A



| ENGINE | 125 | APPROVAL | EU5 | VERSION | 03 |
|--------------|------------|---------------------------|-----|---------|----|
| DIAGRAM REF. | GROUP REF. | GROUP | | | |
| F07A | F07 | FRONT FENDER & FRONT FORK | | | |

| ITEM NO. | MUTT PART NO. | BARCODE REF. | PART DESCRIPTION | CAT CODE | CATEGORY | SIZE | COLOUR | QTY. |
|----------|---------------|---------------|---|----------|----------------|-----------------|------------|------|
| 1-A | MPT-0103 | 1041400492200 | FENDER - FRONT - STANDARD - MATT BLACK | C082 | FRONT FENDER | L=412mm×W=102mm | Matt Black | 1 |
| 1-A | MPT-0101 | 1041400492001 | FENDER - FRONT - STANDARD - GREY | C082 | FRONT FENDER | L=412mm×W=102mm | Gloss Grey | 1 |
| 1-A | MPT-0102 | 1041400492002 | FENDER - FRONT - STANDARD - MATT GREEN | C082 | FRONT FENDER | L=412mm×W=102mm | Matt Green | 1 |
| 2 | MPT-0860 | 7013006025169 | HEX BOLT - FLANGED - M6×25 | C012 | BOLT | M6×25 | No Colour | 2 |
| 3 | MPT-0861 | 7013006030268 | HEX BOLT - FLANGED - M6×30 | C012 | BOLT | M6×30 | No Colour | 1 |
| 4 | MPT-0862 | 7013006035268 | HEX BOLT - FLANGED - M6×35 | C012 | BOLT | M6×35 | No Colour | 1 |
| 5-A | MPT-1222 | 1041400471000 | BRACKET - FRONT FENDER (STANDARD) - FRONT SECTION | C015 | BRACKET | | Black | 1 |
| 6-A | MPT-1223 | 1041400472000 | BRACKET - FRONT FENDER (STANDARD) - BACK SECTION | C015 | BRACKET | | Black | 1 |
| 7 | MPT-0039 | 1040302236000 | CLAMP - U STYLE | C041 | CLAMP | | Black | 1 |
| 8 | MPT-0170 | 1101400012200 | FRONT FORK - 735MM WITH CNC BLACK CAP - LH | C083 | FRONT FORK | 735mm | Black | 1 |
| 9 | MPT-0172 | 1101400022200 | FRONT FORK - 735MM WITH CNC BLACK CAP - RH | C083 | FRONT FORK | 735mm | Black | 1 |
| 8-9-1 | MPT-0458 | 1571400031000 | FRONT FORK BOOTS - FIT 735MM | C014 | BOOTS | | No Colour | 2 |
| 8-9-2 | MPT-0456 | 1571000031000 | SEAL - FRONT FORK | C153 | SEAL | ø37 | No Colour | 2 |
| 8-9-3 | MPT-0457 | 1571000032000 | FRONT FORK SEAL RETAINER | C154 | SEAL RETAINER | ø37 | No Colour | 2 |
| 8-9-4 | MPT-0174 | 1101400031100 | FORK CAP - CNC - BLACK | C078 | FORK FRONT CAP | | Black | 2 |
| 8-9-5 | MPT-0176 | 1101400031300 | SEAL RING - FORK CAP | C155 | SEAL RING | | Black | 2 |
| 10 | MPT-0949 | 7513706012260 | LARGE HEXAGONAL FLAT HEAD SCREW - M6×12 | C152 | SCREW | M6×12 | No Colour | 2 |
| 11 | MPT-0905 | 7032606000248 | HEX NUT - FLANGED - M6 | C118 | NUT | M6 | No Colour | 2 |
| 12 | MPT-0919 | 7050210302539 | WASHER - 6×12×1.25 | C206 | WASHER | 6×12×1.25 | No Colour | 1 |

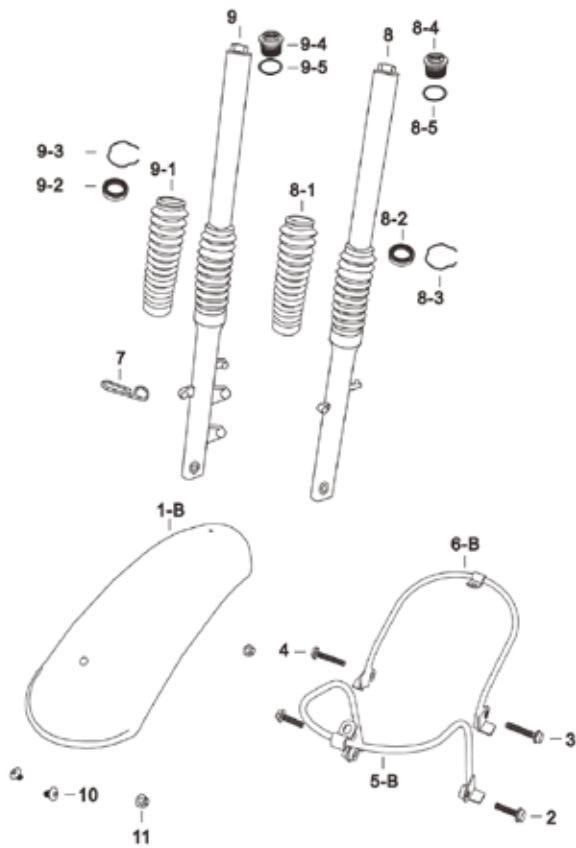


125EU503-F07B



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| ENGINE | 125 | APPROVAL | EU5 | VERSION | 03 |
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| DIAGRAM REF. | GROUP REF. | GROUP |
| F07B | F07 | FRONT FENDER & FRONT FORK |

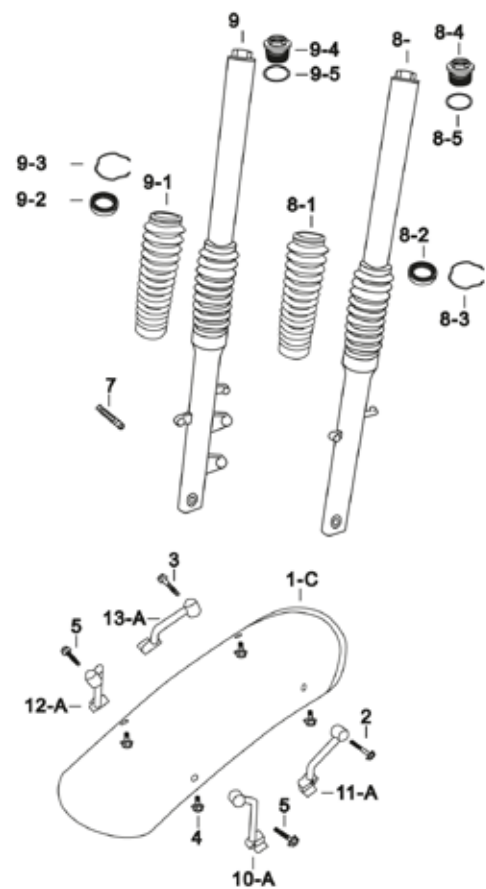


| ITEM NO. | MUTT PART NO. | BARCODE REF. | PART DESCRIPTION | CAT CODE | CATEGORY | SIZE | COLOUR | QTY. | |
|----------|---------------|---------------|--|----------|----------------|-----------------|-------------------|------|--|
| 1-B | MPT-0104 | 1041400493004 | FENDER - FRONT - SHORT - MATT BLACK | C082 | FRONT FENDER | L=380mmxW=122mm | Matt Black | 1 | |
| 1-B | MPT-0105 | 1041400494000 | FENDER - FRONT - SHORT - BRUSHED | C082 | FRONT FENDER | L=380mmxW=122mm | Brushed Aluminium | 1 | |
| 1-B | MPT-1190 | 1041400493002 | FENDER - FRONT - SHORT - MATT GREEN | C135 | REAR FENDER | | Gloss Grey | 1 | |
| 2 | MPT-0860 | 7013006025169 | HEX BOLT - FLANGED - M6x25 | C012 | BOLT | M6x25 | No Colour | 2 | |
| 3 | MPT-0861 | 7013006030268 | HEX BOLT - FLANGED - M6x30 | C012 | BOLT | M6x30 | No Colour | 1 | |
| 4 | MPT-0862 | 7013006035268 | HEX BOLT - FLANGED - M6x35 | C012 | BOLT | M6x35 | No Colour | 1 | |
| 5-B | MPT-1224 | 1041400473000 | BRACKET - FRONT FENDER (SHORT) - FRONT SECTION | C015 | BRACKET | | Black | 1 | |
| 6-B | MPT-1225 | 1041400474000 | BRACKET - FRONT FENDER (SHORT) - BACK SECTION | C015 | BRACKET | | Black | 1 | |
| 7 | MPT-0039 | 1040302236000 | CLAMP - U STYLE | C041 | CLAMP | | Black | 1 | |
| 8 | MPT-0170 | 1101400012200 | FRONT FORK - 735MM WITH CNC BLACK CAP - LH | C083 | FRONT FORK | 735mm | Black | 1 | |
| 8 | MPT-0169 | 1101400012100 | FRONT FORK - 735MM WITH CNC BRUSHED CAP - LH | C083 | FRONT FORK | 735mm | Brushed Aluminium | 1 | |
| 9 | MPT-0172 | 1101400022200 | FRONT FORK - 735MM WITH CNC BLACK CAP - RH | C083 | FRONT FORK | 735mm | Black | 1 | |
| 9 | MPT-0171 | 1101400022100 | FRONT FORK - 735MM WITH CNC BRUSHED CAP - RH | C083 | FRONT FORK | 735mm | Brushed Aluminium | 1 | |
| 8-9-1 | MPT-0458 | 1571400031000 | FRONT FORK BOOTS - FIT 735MM | C014 | BOOTS | | No Colour | 2 | |
| 8-9-2 | MPT-0456 | 1571000031000 | SEAL - FRONT FORK | C153 | SEAL | ø37 | No Colour | 2 | |
| 8-9-3 | MPT-0457 | 1571000032000 | FRONT FORK SEAL RETAINER | C154 | SEAL RETAINER | ø37 | No Colour | 2 | |
| 8-9-4 | MPT-0174 | 1101400031100 | FORK CAP - CNC - BLACK | C078 | FORK FRONT CAP | | Black | 2 | |
| 8-9-4 | MPT-0175 | 1101400031200 | FORK CAP - CNC - BRUSH | C078 | FORK FRONT CAP | | Silver | 2 | |
| 8-9-5 | MPT-0176 | 1101400031300 | SEAL RING - FORK CAP | C155 | SEAL RING | | Black | 2 | |
| 10 | MPT-0949 | 7513706012260 | LARGE HEXAGONAL FLAT HEAD SCREW - M6x12 | C152 | SCREW | M6x12 | No Colour | 2 | |
| 11 | MPT-0905 | 7032606000248 | HEX NUT - FLANGED - M6 | C118 | NUT | M6 | No Colour | 2 | |

125EU503-F07C



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| ENGINE | 125 | APPROVAL | EU5 | VERSION | 03 |
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| DIAGRAM REF. | GROUP REF. | GROUP | | | |
| F07C | F07 | FRONT FENDER & FRONT FORK | | | |

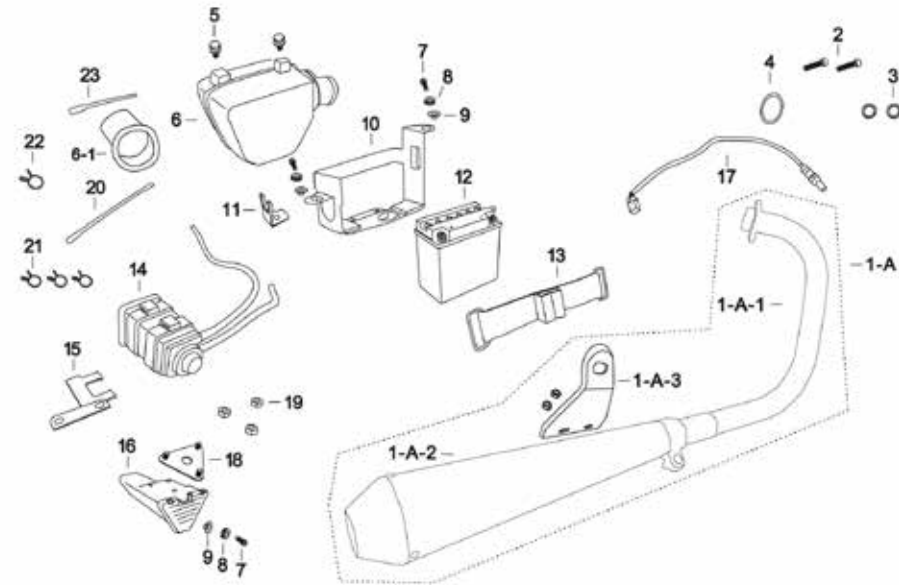


| ITEM NO. | MUTT PART NO. | BARCODE REF. | PART DESCRIPTION | CAT CODE | CATEGORY | SIZE | COLOUR | QTY. |
|----------|---------------|---------------|---|----------|----------------|-----------------|-------------------|------|
| 1-C | MPT-0107 | 1041400496000 | FENDER - FRONT - 2020 - MATT BLACK | C082 | FRONT FENDER | L=380mmxW=122mm | Matt Black | 1 |
| 1-C | MPT-0106 | 1041400495000 | FENDER - FRONT - 2020 - BRUSHED | C082 | FRONT FENDER | L=380mmxW=122mm | Brushed Aluminium | 1 |
| 1-C | MPT-1430 | 1221400292007 | FENDER - FRONT - COOL GLOSS GREY | C082 | FRONT FENDER | | Cool Gloss Grey | 1 |
| 2 | MPT-0862 | 7013006035268 | HEX BOLT - FLANGED - M6x35 | C012 | BOLT | M6x35 | No Colour | 1 |
| 3 | MPT-0862 | 7013006035268 | HEX BOLT - FLANGED - M6x35 | C012 | BOLT | M6x35 | No Colour | 1 |
| 4 | MPT-0855 | 7013006012268 | HEX BOLT - FLANGED - M6x12 | C012 | BOLT | M6x12 | No Colour | 4 |
| 5 | MPT-0861 | 7013006030268 | HEX BOLT - FLANGED - M6x30 | C012 | BOLT | M6x30 | No Colour | 2 |
| 7 | MPT-0039 | 1040302236000 | CLAMP - U STYLE | C041 | CLAMP | | Black | 1 |
| 8 | MPT-0170 | 1101400012200 | FRONT FORK - 735MM WITH CNC BLACK CAP - LH | C083 | FRONT FORK | 735mm | Black | 1 |
| 9 | MPT-0172 | 1101400022200 | FRONT FORK - 735MM WITH CNC BLACK CAP - RH | C083 | FRONT FORK | 735mm | Black | 1 |
| 8-9-1 | MPT-0458 | 1571400031000 | FRONT FORK BOOTS - FIT 735MM | C014 | BOOTS | | No Colour | 2 |
| 8-9-2 | MPT-0456 | 1571000031000 | SEAL - FRONT FORK | C153 | SEAL | ø37 | No Colour | 2 |
| 8-9-3 | MPT-0457 | 1571000032000 | FRONT FORK SEAL RETAINER | C154 | SEAL RETAINER | ø37 | No Colour | 2 |
| 8-9-4 | MPT-0174 | 1101400031100 | FORK CAP - CNC - BLACK | C078 | FORK FRONT CAP | | Black | 2 |
| 8-9-5 | MPT-0176 | 1101400031300 | SEAL RING - FORK CAP | C155 | SEAL RING | | Black | 2 |
| 10 | MPT-1383 | 1041400465000 | BRACKET - FRONT - FRONT FENDER - 17 INCH - LH | C015 | BRACKET | | Stainless Steel | 1 |
| 10 | MPT-1384 | 1041400461000 | BRACKET - FRONT - FRONT FENDER - 18 INCH - LH | C015 | BRACKET | | Stainless Steel | 1 |
| 11 | MPT-1385 | 1041400466000 | BRACKET - REAR - FRONT FENDER - 17 INCH - LH | C015 | BRACKET | | Stainless Steel | 1 |
| 11 | MPT-1386 | 1041400462000 | BRACKET - REAR - FRONT FENDER - 18 INCH - LH | C015 | BRACKET | | Stainless Steel | 1 |
| 12 | MPT-1387 | 1041400467000 | BRACKET - FRONT - FRONT FENDER - 17 INCH - RH | C015 | BRACKET | | Stainless Steel | 1 |
| 12 | MPT-1388 | 1041400463000 | BRACKET - FRONT - FRONT FENDER - 18 INCH - RH | C015 | BRACKET | | Stainless Steel | 1 |
| 13 | MPT-1389 | 1041400468000 | BRACKET - REAR - FRONT FENDER - 17 INCH - RH | C015 | BRACKET | | Stainless Steel | 1 |
| 13 | MPT-1390 | 1041400464000 | BRACKET - REAR - FRONT FENDER - 18 INCH - RH | C015 | BRACKET | | Stainless Steel | 1 |
| 14 | MPT-0905 | 7032606000248 | HEX NUT - FLANGED - M6 | C118 | NUT | M6 | No Colour | 4 |

125EU503-F08A



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| ENGINE | 125 | APPROVAL | EU5 | VERSION | 03 |
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| DIAGRAM REF. | GROUP REF. | GROUP | | | |
| F08A | F08 | EXHAUST | | | |

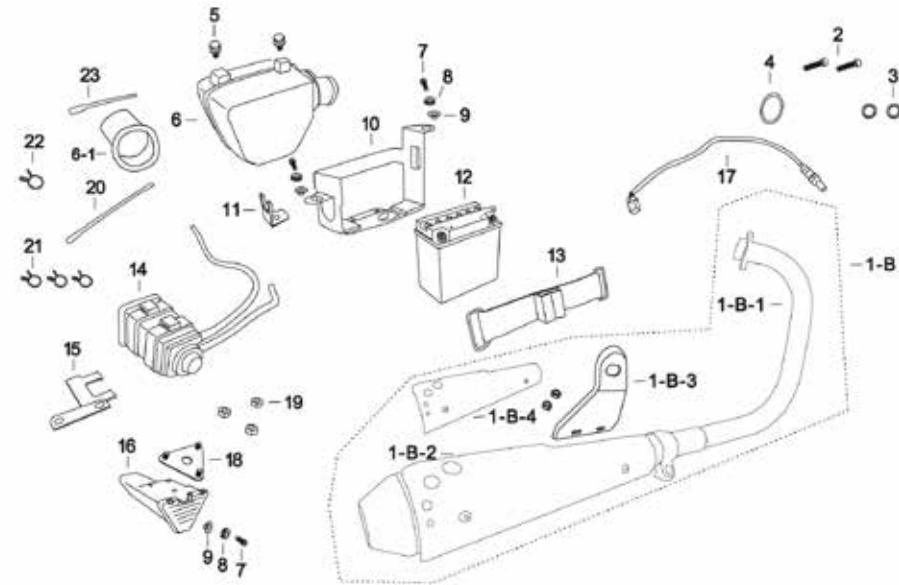


| ITEM NO. | MUTT PART NO. | BARCODE REF. | PART DESCRIPTION | CAT CODE | CATEGORY | SIZE | COLOUR | QTY. |
|----------|---------------|---------------|---|----------|----------------------|------------------------|-------------------|------|
| 1-A | MPT-1391 | 1121400064000 | EXHAUST SYSTEM - COMPLETE - QUIET - BLACK | C073 | EXHAUST | | Black | 1 |
| 1-A | MPT-1392 | 1121400065000 | EXHAUST SYSTEM - COMPLETE - QUIET - BRUSHED | C073 | EXHAUST | | Brushed Aluminium | 1 |
| 1-A-1 | MPT-1393 | 1123600026000 | EXHAUST DOWN PIPE - BLACK | C064 | DOWN PIPE | | Black | 1 |
| 1-A-1 | MPT-1394 | 1123600027000 | EXHAUST DOWN PIPE - BRUSHED | C064 | DOWN PIPE | | Brushed Aluminium | 1 |
| 1-A-2 | MPT-1395 | 1121400013930 | EXHAUST SILENCER - QUIET - BLACK | C163 | SILENCER | | Black | 1 |
| 1-A-2 | MPT-1396 | 1121400013940 | EXHAUST SILENCER - QUIET - BRUSHED | C163 | SILENCER | | Brushed Aluminium | 1 |
| 1-A-3 | MPT-0462 | 1590100073000 | BRACKET - EXHAUST | C015 | BRACKET | | No Colour | 1 |
| 2 | MPT-0890 | 7024908025268 | HEX SOCKET HEAD SCREW - M8x25 | C152 | SCREW | M8x25 | No Colour | 2 |
| 3 | MPT-0914 | 7050008104235 | WASHER - ELASTIC - 8x10.1x4.2 | C071 | ELASTIC WASHER | 8x10.1x4.2 | No Colour | 2 |
| 4 | MPT-0463 | 1590300011000 | EXHAUST GASKET | C088 | GASKET | | No Colour | 1 |
| 5 | MPT-0931 | 7111906016168 | GASKET COMBINATION BOLT | C012 | BOLT | M6*16 | No Colour | 2 |
| 6 | MPT-1397 | 1221400019000 | AIR CLEANER ASSEMBLY | C004 | AIR CLEANER ASSEMBLY | | No Colour | 1 |
| 6-1 | MPT-0476 | 1690400031000 | AIR FILTER | C005 | AIR FILTER | | No Colour | 1 |
| 7 | MPT-0812 | 7012406020268 | BOLT - M6x20 | C012 | BOLT | M6x25 | No Colour | 3 |
| 8 | MPT-0384 | 1260300070000 | RUBBER GROMMET - BATTERY | C146 | RUBBER GROMMET | | No Colour | 3 |
| 9 | MPT-0382 | 1260300060000 | BATTERY BUSH BRACE - SMALL | C022 | BUSH BRACE | SMALL | No Colour | 3 |
| 10 | MPT-0030 | 1040300236000 | BRACKET - BATTERY | C015 | BRACKET | | No Colour | 1 |
| 11 | MPT-0109 | 1041701100000 | BRACKET - FUSE BOX | C015 | BRACKET | | No Colour | 1 |
| 12 | MPT-1245 | 1150000115000 | BATTERY - GEL - 9AH | C009 | BATTERY | | No Colour | 1 |
| 13 | MPT-1438 | 1260300892000 | BATTERY STRAP - 165MM | C010 | BATTERY STRAP | 165mm | No Colour | 1 |
| 14 | MPT-0196 | 1120302500000 | CARBON CANISTER | C035 | CARBON CANISTER | | No Colour | 1 |
| 15 | MPT-0047 | 1040400980000 | BRACKET - CARBON CANISTER | C015 | BRACKET | | No Colour | 1 |
| 16 | MPT-0328 | 1220300021000 | TOOL BOX | C198 | TOOL BOX | | No Colour | 1 |
| 17 | MPT-0180 | 1114111001000 | OXYGEN SENSOR | C159 | SENSOR | | No Colour | 1 |
| 18 | MPT-0031 | 1040300320000 | TRIANGLE PLATE | C201 | TRIANGLE PLATE | | No Colour | 1 |
| 19 | MPT-0896 | 7031906000248 | HEX NUT - M6 | C118 | NUT | M6 | No Colour | 3 |
| 20 | MPT-1295 | 1260400900000 | CARBON TANK TUBE | C079 | TUBE | ø4.7xø8.5x450 | No Colour | 1 |
| 21 | MPT-0406 | 1260300981000 | CLAMP - FUEL HOSE | C041 | CLAMP | ø8.0x1 | No Colour | 3 |
| 22 | MPT-0407 | 1260300982000 | CLAMP - FUEL HOSE | C041 | CLAMP | ø9.5x1 | No Colour | 1 |
| 23 | MPT-0409 | 1260400841400 | TUBE | C079 | TUBE | (ø4xø8.5)x(ø6xø10)x220 | No Colour | 1 |
| 24 | MPT-0915 | 7050108161648 | WASHER - FLAT - 8x16x1.6 | C206 | WASHER | 8x16x1.6 | No Colour | 2 |

125EU503-F08B



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|--------------|------------|----------|-----|---------|----|
| ENGINE | 125 | APPROVAL | EU5 | VERSION | 03 |
| | | | | | |
| DIAGRAM REF. | GROUP REF. | GROUP | | | |
| F08B | F08 | EXHAUST | | | |



| ITEM NO. | MUTT PART NO. | BARCODE REF. | PART DESCRIPTION | CAT CODE | CATEGORY | SIZE | COLOUR | QTY. |
|----------|---------------|---------------|--|----------|----------------------|------------------------|-------------------|------|
| 1-B | MPT-1398 | 1121400067000 | EXHAUST SYSTEM - COMPLETE - QUIET - BLACK - WITH BLACK GUARD | C073 | EXHAUST | | Black | 1 |
| 1-B | MPT-1399 | 1121400066000 | EXHAUST SYSTEM - COMPLETE - QUIET - BLACK - WITH BRUSHED GUARD | C073 | EXHAUST | | Black | 1 |
| 1-B-1 | MPT-1393 | 1123600026000 | EXHAUST DOWN PIPE - BLACK | C064 | DOWN PIPE | | Black | 1 |
| 1-B-2 | MPT-1400 | 1121400013950 | EXHAUST SILENCER - QUIET - BLACK - WITH BLACK GUARD | C163 | SILENCER | | Black | 1 |
| 1-B-2 | MPT-1401 | 1121400013960 | EXHAUST SILENCER - QUIET - BLACK - WITH BRUSHED GUARD | C163 | SILENCER | | Black | 1 |
| 1-B-3 | MPT-0462 | 1590100073000 | BRACKET - EXHAUST | C015 | BRACKET | | No Colour | 1 |
| 1-B-4 | MPT-0045 | 1040400262000 | EXHAUST SILENCER GUARD - LH - BLACK | C093 | GUARD | | Black | 1 |
| 1-B-4 | MPT-0046 | 1040400263000 | EXHAUST SILENCER GUARD - LH - BRUSHED | C093 | GUARD | | Brushed Aluminium | 1 |
| 2 | MPT-0890 | 7024908025268 | HEX SOCKET HEAD SCREW - M8x25 | C152 | SCREW | M8x25 | No Colour | 2 |
| 3 | MPT-0914 | 7050008104235 | WASHER - ELASTIC - 8x10.1x4.2 | C071 | ELASTIC WASHER | 8x10.1x4.2 | No Colour | 2 |
| 4 | MPT-0463 | 1590300011000 | EXHAUST GASKET | C088 | GASKET | | No Colour | 1 |
| 5 | MPT-0931 | 7111906016168 | GASKET COMBINATION BOLT | C012 | BOLT | M6*16 | No Colour | 2 |
| 6 | MPT-1397 | 1221400019000 | AIR CLEANER ASSEMBLY | C004 | AIR CLEANER ASSEMBLY | | No Colour | 1 |
| 6-1 | MPT-0476 | 1690400031000 | AIR FILTER | C005 | AIR FILTER | | No Colour | 1 |
| 7 | MPT-0812 | 7012406020268 | BOLT - M6x20 | C012 | BOLT | M6x25 | No Colour | 3 |
| 8 | MPT-0384 | 1260300070000 | RUBBER GROMMET - BATTERY | C146 | RUBBER GROMMET | | No Colour | 3 |
| 9 | MPT-0382 | 1260300060000 | BATTERY BUSH BRACE - SMALL | C022 | BUSH BRACE | SMALL | No Colour | 3 |
| 10 | MPT-0030 | 1040300236000 | BRACKET - BATTERY | C015 | BRACKET | | No Colour | 1 |
| 11 | MPT-0109 | 1041701100000 | BRACKET - FUSE BOX | C015 | BRACKET | | No Colour | 1 |
| 12 | MPT-1245 | 1150000115000 | BATTERY - GEL - 9AH | C009 | BATTERY | | No Colour | 1 |
| 13 | MPT-0402 | 1260300891000 | BATTERY STRAP | C010 | BATTERY STRAP | | No Colour | 1 |
| 14 | MPT-0196 | 1120302500000 | CARBON CANISTER | C035 | CARBON CANISTER | | No Colour | 1 |
| 15 | MPT-0047 | 1040400980000 | BRACKET - CARBON CANISTER | C015 | BRACKET | | No Colour | 1 |
| 16 | MPT-0328 | 1220300021000 | TOOL BOX | C198 | TOOL BOX | | No Colour | 1 |
| 17 | MPT-0180 | 1114111001000 | OXYGEN SENSOR | C159 | SENSOR | | No Colour | 1 |
| 18 | MPT-0031 | 1040300320000 | TRIANGLE PLATE | C201 | TRIANGLE PLATE | | No Colour | 1 |
| 19 | MPT-0896 | 7031906000248 | HEX NUT - M6 | C118 | NUT | M6 | No Colour | 3 |
| 20 | MPT-1295 | 1260400900000 | CARBON TANK TUBE | C079 | TUBE | ø4.7xø8.5x450 | No Colour | 1 |
| 21 | MPT-0406 | 1260300981000 | CLAMP - FUEL HOSE | C041 | CLAMP | ø8.0x1 | No Colour | 3 |
| 22 | MPT-0407 | 1260300982000 | CLAMP - FUEL HOSE | C041 | CLAMP | ø9.5x1 | No Colour | 1 |
| 23 | MPT-0409 | 1260400841400 | TUBE | C079 | TUBE | (ø4xø8.5)x(ø6xø10)x220 | No Colour | 1 |
| 24 | MPT-0915 | 7050108161648 | WASHER - FLAT - 8x16x1.6 | C206 | WASHER | 8x16x1.6 | No Colour | 2 |
| 24 | MPT-0915 | 7050108161648 | WASHER - FLAT - 8x16x1.6 | C206 | WASHER | 8x16x1.6 | No Colour | 2 |

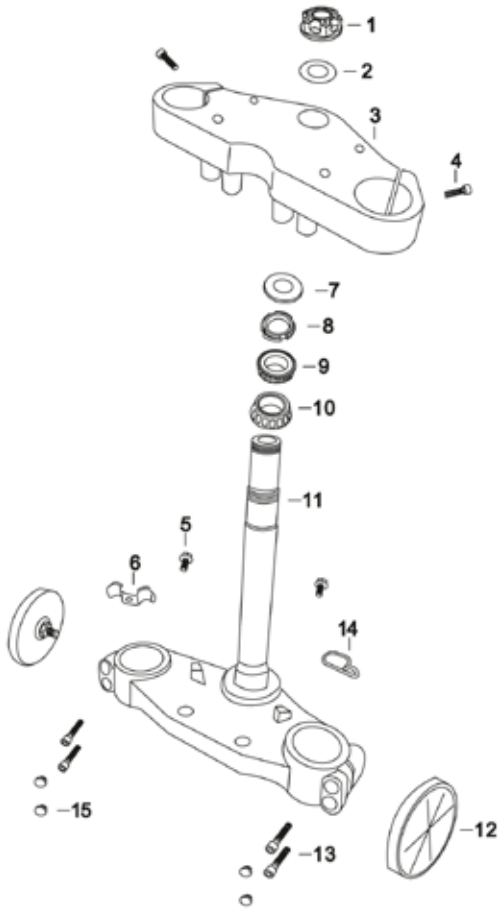
125EU503-F09A



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| ENGINE | 125 | APPROVAL | EU5 | VERSION | 03 |
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|--------------|------------|-------|
| DIAGRAM REF. | GROUP REF. | GROUP |
| F09A | F09 | YOKE |

| ITEM NO. | MUTT PART NO. | BARCODE REF. | PART DESCRIPTION | CAT CODE | CATEGORY | SIZE | COLOUR | QTY. |
|----------|---------------|---------------|-------------------------------|----------|-------------|-------------|-------------------|------|
| 1 | MPT-0113 | 1050100052000 | HEADSTEM NUT - CNC - BLACK | C118 | NUT | M14×1.25 | Black | 1 |
| 1 | MPT-0114 | 1050100053000 | HEADSTEM NUT - CNC - BRUSHED | C118 | NUT | M14×1.25 | Brushed Aluminium | 1 |
| 2 | MPT-0916 | 7050122361034 | WASHER - FLAT - 22.5×36×1.0 | C206 | WASHER | 22.5×36×1.0 | No Colour | 1 |
| 3 | MPT-0233 | 1130100072800 | YOKE - TOP - BLACK | C210 | YOKE | | Black | 1 |
| 4 | MPT-0889 | 7024908025168 | HEX SOCKET HEAD SCREW - M8×25 | C152 | SCREW | M8×25 | No Colour | 2 |
| 5 | MPT-0855 | 7013006012268 | HEX BOLT - FLANGED - M6×12 | C012 | BOLT | M6×12 | No Colour | 2 |
| 6 | MPT-0038 | 1040301234000 | CLAMP - B STYLE | C041 | CLAMP | | Black | 1 |
| 7 | MPT-0118 | 1051400090000 | HEADSTOCK DUST SEAL | C069 | DUST SEAL | | No Colour | 1 |
| 8 | MPT-0117 | 1051400060000 | HEADSTOCK COLLAR | C050 | COLLAR | | No Colour | 1 |
| 9 | MPT-0119 | 1051400130000 | HEADSTOCK TOP BEARING | C011 | BEARING | | No Colour | 1 |
| 10 | MPT-0120 | 1051400140000 | HEADSTOCK LOWER BEARING | C011 | BEARING | | No Colour | 1 |
| 11 | MPT-0116 | 1051400012000 | YOKE - BOTTOM - BLACK | C210 | YOKE | | Black | 1 |
| 12 | MPT-0424 | 1261400943000 | REFLECTOR - FRONT | C137 | REFLECTOR | | No Colour | 2 |
| 13 | MPT-0891 | 7024908035268 | HEX SOCKET HEAD SCREW - M8×35 | C152 | SCREW | M8×35 | No Colour | 4 |
| 14 | MPT-0044 | 1040400211000 | CLUTCH CABLE GUIDE | C028 | CABLE GUIDE | | No Colour | 1 |
| 15 | MPT-0115 | 1051000050000 | BUTTON - BLACK | C024 | BUTTON | | Black | 4 |

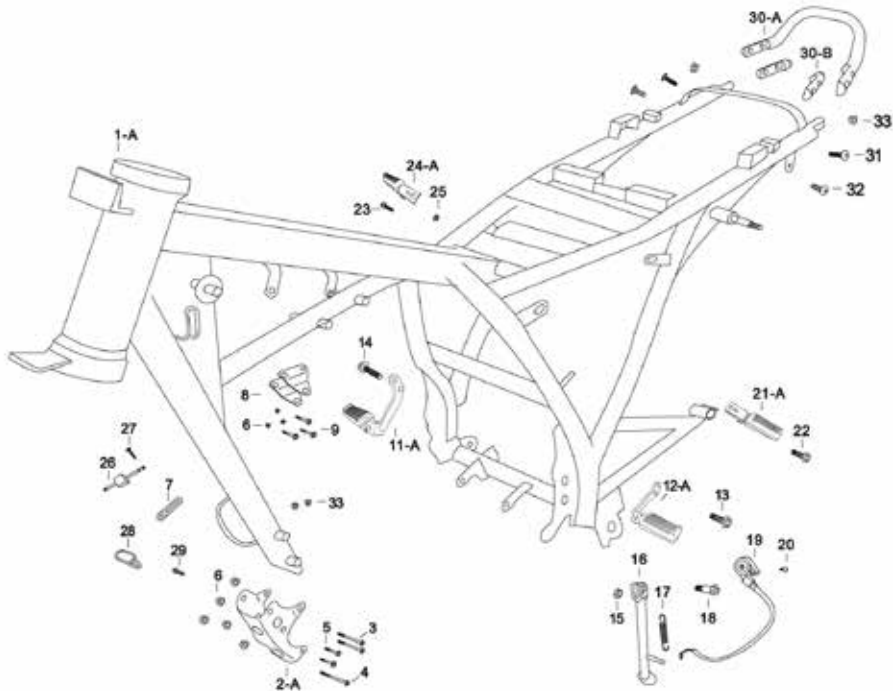


125EU503-F10A



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| ENGINE | 125 | APPROVAL | EU5 | VERSION | 03 |
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| DIAGRAM REF. | GROUP REF. | GROUP |
| F10A | F10 | FRAME |



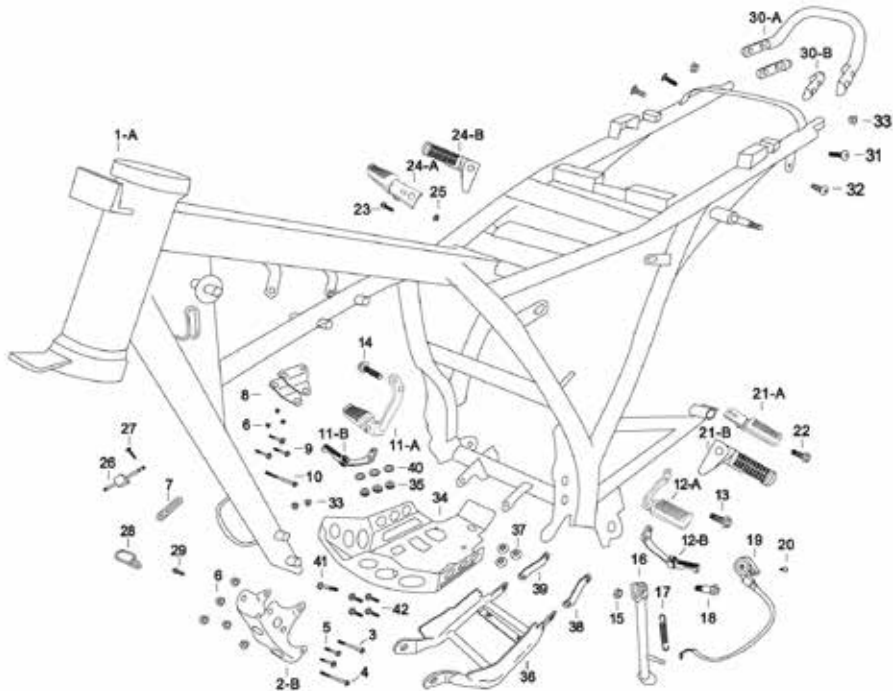
| ITEM NO. | MUTT PART NO. | BARCODE REF. | PART DESCRIPTION | CAT CODE | CATEGORY | SIZE | COLOUR | QTY. |
|----------|---------------|---------------|--|----------|------------------|----------------|-----------|------|
| 1-A | MPT-1402 | 1031400073220 | FRAME - 125 - MONGREL - 2021 | C080 | FRAME | | Black | 1 |
| 2-A | MPT-0012 | 1030300020000 | ENGINE BRACKET - LOWER | C015 | BRACKET | | No Colour | 1 |
| 3 | MPT-0873 | 7013008085168 | HEX BOLT - FLANGED - M8x85 | C012 | BOLT | M8x85 | No Colour | 2 |
| 4 | MPT-0874 | 7013008090168 | HEX BOLT - FLANGED - M8x90 | C012 | BOLT | M8x90 | No Colour | 1 |
| 5 | MPT-0870 | 7013008065168 | HEX BOLT - FLANGED - M8x65 | C012 | BOLT | M8x65 | No Colour | 2 |
| 6 | MPT-0907 | 7033608000148 | SELF-LOCKING HEX NUT - FLANGED - M8 | C158 | SELF-LOCKING NUT | M8 | No Colour | 8 |
| 7 | MPT-0396 | 1260300330000 | CLAMP | C041 | CLAMP | ø8.5x17x75 | No Colour | 1 |
| 8 | MPT-1403 | 1031400105000 | ENGINE BRACKET - UPPER | C015 | BRACKET | | No Colour | 2 |
| 9 | MPT-0869 | 7013008050168 | HEX BOLT - FLANGED - M8x50 | C012 | BOLT | M8x50 | No Colour | 3 |
| 11-A | MPT-0394 | 1260300283000 | FOOTPEG - FRONT - WITH HANGER/BRACKETS - RH | C076 | FOOTPEG | | No Colour | 1 |
| 12-A | MPT-0393 | 1260300272000 | FOOTPEG - FRONT - WITH HANGER/BRACKETS - LH | C076 | FOOTPEG | | No Colour | 1 |
| 13 | MPT-0941 | 7500310032168 | BOLT - M10x32 - FRONT FOOTPEG | C012 | BOLT | M10x32 | No Colour | 2 |
| 14 | MPT-0941 | 7500310032168 | BOLT - M10x32 - FRONT FOOTPEG | C012 | BOLT | M10x32 | No Colour | 2 |
| 15 | MPT-0899 | 7031910000347 | HEX NUT - M10x1.5 | C118 | NUT | M10x1.5 | No Colour | 1 |
| 16 | MPT-0071 | 1041400063500 | SIDE STAND - 255MM | C162 | SIDE STAND | 255mm | Black | 1 |
| 16 | MPT-0072 | 1041400087000 | SIDE STAND - 270MM | C162 | SIDE STAND | 270mm | Black | 1 |
| 17 | MPT-0441 | 1291300030000 | SIDE STAND SPRING | C176 | SPRING | ø3.0(ø1.5)x104 | No Colour | 1 |
| 18 | MPT-0960 | 7640310035167 | SIDE STAND BOLT - M10x35x1.5 | C012 | BOLT | M10x35x1.5 | No Colour | 1 |
| 19 | MPT-0314 | 1183700220000 | SIDE STAND SWITCH | C189 | SWITCH | | No Colour | 1 |
| 20 | MPT-0880 | 7021805014157 | SCREW - M5x14 | C152 | SCREW | M5x14 | No Colour | 2 |
| 21-A | MPT-0391 | 1260300250000 | FOOTPEG - PILLION - WITH HANGER/BRACKETS - LH | C076 | FOOTPEG | | No Colour | 1 |
| 22 | MPT-0850 | 7012810025367 | HEX BOLT - FLANGED - M10x25x1.25 - REAR FOOTPEG - LH | C012 | BOLT | M10x25x1.25 | No Colour | 1 |
| 23 | MPT-0851 | 7012810045367 | HEX BOLT - FLANGED - M10x45x1.25 | C012 | BOLT | M10x45x1.25 | No Colour | 1 |
| 24-A | MPT-0392 | 1260300260000 | FOOTPEG - PILLION - WITH HANGER/BRACKETS - RH | C076 | FOOTPEG | | No Colour | |
| 25 | MPT-0912 | 7034310000347 | HEX NUT - FLANGED - M10x1.25 | C118 | NUT | M10x1.25 | No Colour | 1 |
| 26 | MPT-0387 | 1260300100001 | CHAIN SLIDER - LOWER | C039 | CHAIN SLIDER | | No Colour | 1 |
| 27 | MPT-0925 | 7070042016007 | SCREW - ST4.2x16 | C152 | SCREW | ST4.2x16 | No Colour | 1 |
| 28 | MPT-0044 | 1040400211000 | CLUTCH CABLE GUIDE | C028 | CABLE GUIDE | | No Colour | 1 |
| 29 | MPT-0855 | 7013006012268 | HEX BOLT - FLANGED - M6x12 | C012 | BOLT | M6x12 | No Colour | 1 |
| 30-A | MPT-0020 | 1031400094000 | GRABRAIL - REAR | C007 | GRABRAIL | | Black | 1 |
| 30-B | MPT-0021 | 1031400094100 | FRAME PLUGS - REAR | C081 | FRAME PLUGS | | Black | 2 |
| 31 | MPT-0847 | 7012808130168 | PAN HEAD HEX BOLT - FLANGED - M8x30 - FRAME END | C012 | BOLT | M8x30 | No Colour | 2 |
| 32 | MPT-0846 | 7012808125168 | PAN HEAD HEX BOLT - FLANGED - M8x25 - FRAME END | C012 | BOLT | M8x25 | No Colour | 2 |
| 33 | MPT-0906 | 7032608000247 | HEX NUT - FLANGED - M8 | C118 | NUT | M8 | No Colour | 4 |
| 34 | MPT-0955 | 7540310262038 | WASHER - M10x1.5 - FRONT FOOTPEG | C206 | WASHER | M10x1.5 | No Colour | 4 |

125EU503-F10B



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| ENGINE | 125 | APPROVAL | EU5 | VERSION | 03 |
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| DIAGRAM REF. | GROUP REF. | GROUP |
| F10B | F10 | FRAME |



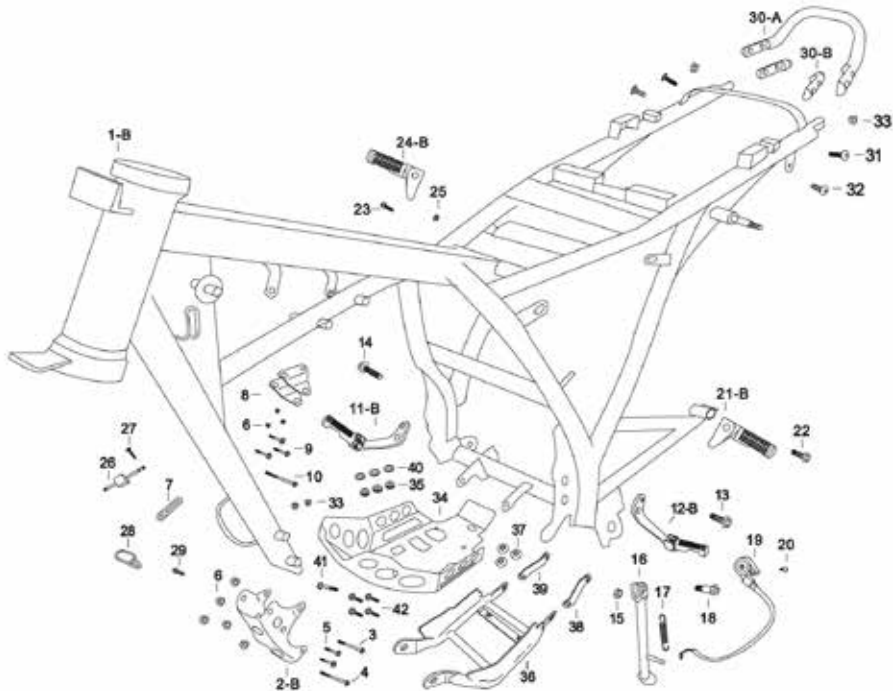
| ITEM NO. | MUTT PART NO. | BARCODE REF. | PART DESCRIPTION | CAT CODE | CATEGORY | SIZE | COLOUR | QTY. |
|----------|---------------|---------------|---|----------|------------------|----------------|-------------------|------|
| 1-A | MPT-1402 | 1031400073220 | FRAME - 125 - MONGREL - 2021 | C080 | FRAME | | Black | 1 |
| 2-B | MPT-0013 | 1030300029000 | ENGINE BRACKET - LOWER | C015 | BRACKET | | No Colour | 1 |
| 3 | MPT-0873 | 7013008085168 | HEX BOLT - FLANGED - M8x85 | C012 | BOLT | M8x85 | No Colour | 1 |
| 4 | MPT-0874 | 7013008090168 | HEX BOLT - FLANGED - M8x90 | C012 | BOLT | M8x90 | No Colour | 1 |
| 5 | MPT-0870 | 7013008065168 | HEX BOLT - FLANGED - M8x65 | C012 | BOLT | M8x65 | No Colour | 2 |
| 6 | MPT-0907 | 7033608000148 | SELF-LOCKING HEX NUT - FLANGED - M8 | C158 | SELF-LOCKING NUT | M8 | No Colour | 8 |
| 7 | MPT-0396 | 1260300330000 | CLAMP | C041 | CLAMP | ø8.5x17x75 | No Colour | 1 |
| 8 | MPT-1403 | 1031400105000 | ENGINE BRACKET - UPPER | C015 | BRACKET | | No Colour | 2 |
| 9 | MPT-0869 | 7013008050168 | HEX BOLT - FLANGED - M8x50 | C012 | BOLT | M8x50 | No Colour | 3 |
| 10 | MPT-0875 | 7013008100168 | HEX BOLT - FLANGED - M8x100 | C012 | BOLT | M8x100 | No Colour | 1 |
| 11-A | MPT-0394 | 1260300283000 | FOOTPEG - FRONT - WITH HANGER/BRACKETS - RH | C076 | FOOTPEG | | No Colour | 1 |
| 11-B | MPT-0084 | 1041400193000 | FOOTPEG - FRONT - WITH HANGER/BRACKETS - CNC - BLACK - LH | C076 | FOOTPEG | | Black | 1 |
| 12-A | MPT-0393 | 1260300272000 | FOOTPEG - FRONT - WITH HANGER/BRACKETS - LH | C076 | FOOTPEG | | No Colour | 1 |
| 12-B | MPT-0085 | 1041400194000 | FOOTPEG - FRONT - WITH HANGER/BRACKETS - CNC - BLACK - RH | C076 | FOOTPEG | | Black | 1 |
| 13 | MPT-0941 | 7500310032168 | BOLT - M10x32 - FRONT FOOTPEG | C012 | BOLT | M10x32 | No Colour | 2 |
| 14 | MPT-0941 | 7500310032168 | BOLT - M10x32 - FRONT FOOTPEG | C012 | BOLT | M10x32 | No Colour | 2 |
| 15 | MPT-0899 | 7031910000347 | HEX NUT - M10x1.5 | C118 | NUT | M10x1.5 | No Colour | 1 |
| 16 | MPT-0071 | 1041400063500 | SIDE STAND - 255MM | C162 | SIDE STAND | 255mm | Black | 1 |
| 16 | MPT-1404 | 1041400081000 | SIDE STAND - 235MM | C162 | SIDE STAND | | Black | 1 |
| 17 | MPT-0441 | 1291300030000 | SIDE STAND SPRING | C176 | SPRING | ø3.0(ø1.5)x104 | No Colour | 1 |
| 18 | MPT-0960 | 7640310035167 | SIDE STAND BOLT - M10x35x1.5 | C012 | BOLT | M10x35x1.5 | No Colour | 1 |
| 19 | MPT-0314 | 1183700220000 | SIDE STAND SWITCH | C189 | SWITCH | | No Colour | 1 |
| 20 | MPT-0880 | 7021805014157 | SCREW - M5x14 | C152 | SCREW | M5x14 | No Colour | 2 |
| 21-A | MPT-0391 | 1260300250000 | FOOTPEG - PILLION - WITH HANGER/BRACKETS - LH | C076 | FOOTPEG | | No Colour | 1 |
| 21-B | MPT-0411 | 1260700040206 | FOOTPEG - PILLION - WITH HANGER/BRACKETS - CNC BLACK - LH | C076 | FOOTPEG | | Black | 1 |
| 22 | MPT-0850 | 7012810025367 | HEX BOLT - FLANGED - M10x25x1.25 - REAR FOOTPEG - LH | C012 | BOLT | M10x25x1.25 | No Colour | 1 |
| 23 | MPT-0851 | 7012810045367 | HEX BOLT - FLANGED - M10x45x1.25 | C012 | BOLT | M10x45x1.25 | No Colour | 1 |
| 24-A | MPT-0392 | 1260300260000 | FOOTPEG - PILLION - WITH HANGER/BRACKETS - RH | C076 | FOOTPEG | | No Colour | 1 |
| 24-B | MPT-0412 | 1260700040216 | FOOTPEG - PILLION - WITH HANGER/BRACKETS - CNC BLACK - RH | C076 | FOOTPEG | | Black | 1 |
| 25 | MPT-0912 | 7034310000347 | HEX NUT - FLANGED - M10x1.25 | C118 | NUT | M10x1.25 | No Colour | 1 |
| 26 | MPT-0387 | 1260300100001 | CHAIN SLIDER - LOWER | C039 | CHAIN SLIDER | | No Colour | 1 |
| 27 | MPT-0925 | 7070042016007 | SCREW - ST4.2x16 | C152 | SCREW | ST4.2x16 | No Colour | 1 |
| 28 | MPT-0044 | 1040400211000 | CLUTCH CABLE GUIDE | C028 | CABLE GUIDE | | No Colour | 1 |
| 29 | MPT-0855 | 7013006012268 | HEX BOLT - FLANGED - M6x12 | C012 | BOLT | M6x12 | No Colour | 1 |
| 30-A | MPT-0020 | 1031400094000 | GRABRAIL - REAR | C007 | GRABRAIL | | Black | 1 |
| 30-B | MPT-0021 | 1031400094100 | FRAME PLUGS - REAR | C081 | FRAME PLUGS | | Black | 2 |
| 30-B | MPT-0019 | 1031400073180 | FRAME PLUGS - REAR - CNC | C081 | FRAME PLUGS | | Black | 2 |
| 31 | MPT-0847 | 7012808130168 | PAN HEAD HEX BOLT - FLANGED - M8x30 - FRAME END | C012 | BOLT | M8x30 | No Colour | 2 |
| 32 | MPT-0846 | 7012808125168 | PAN HEAD HEX BOLT - FLANGED - M8x25 - FRAME END | C012 | BOLT | M8x25 | No Colour | 2 |
| 33 | MPT-0906 | 7032608000247 | HEX NUT - FLANGED - M8 | C118 | NUT | M8 | No Colour | 4 |
| 34 | MPT-0362 | 1250809000800 | SUMP GUARD - 125 - BLACK | C186 | SUMP GUARD | | Black | 1 |
| 34 | MPT-0361 | 1250809000700 | SUMP GUARD - 125 - BRUSHED | C186 | SUMP GUARD | | Brushed Aluminium | 1 |
| 36 | MPT-0025 | 1040101200000 | BRACKET - SUMP GUARD - MAIN | C015 | BRACKET | | Black | 1 |
| 38 | MPT-0010 | 1030100041000 | BRACKET - SUMP GUARD - REAR - LH | C015 | BRACKET | | Black | 1 |
| 39 | MPT-0011 | 1030100042000 | BRACKET - SUMP GUARD - REAR - RH | C015 | BRACKET | | Black | 1 |
| 40 | MPT-0915 | 7050108161648 | WASHER - FLAT - 8x16x1.6 | C206 | WASHER | 8x16x1.6 | No Colour | 3 |
| 41 | MPT-0844 | 7012808040268 | HEX BOLT - FLANGED - M8x40 | C012 | BOLT | M8x40 | No Colour | 1 |
| 42 | MPT-0843 | 7012808036168 | HEX BOLT - FLANGED - M8x20 | C012 | BOLT | M8x20 | No Colour | 4 |
| 41 | MPT-0844 | 7012808040268 | HEX BOLT - FLANGED - M8x40 | C012 | BOLT | M8x40 | No Colour | 1 |
| 42 | MPT-0843 | 7012808036168 | HEX BOLT - FLANGED - M8x20 | C012 | BOLT | M8x20 | No Colour | 4 |

125EU503-F10C



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| ENGINE | 125 | APPROVAL | EU5 | VERSION | 03 |
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| DIAGRAM REF. | GROUP REF. | GROUP |
| F10C | F10 | FRAME |

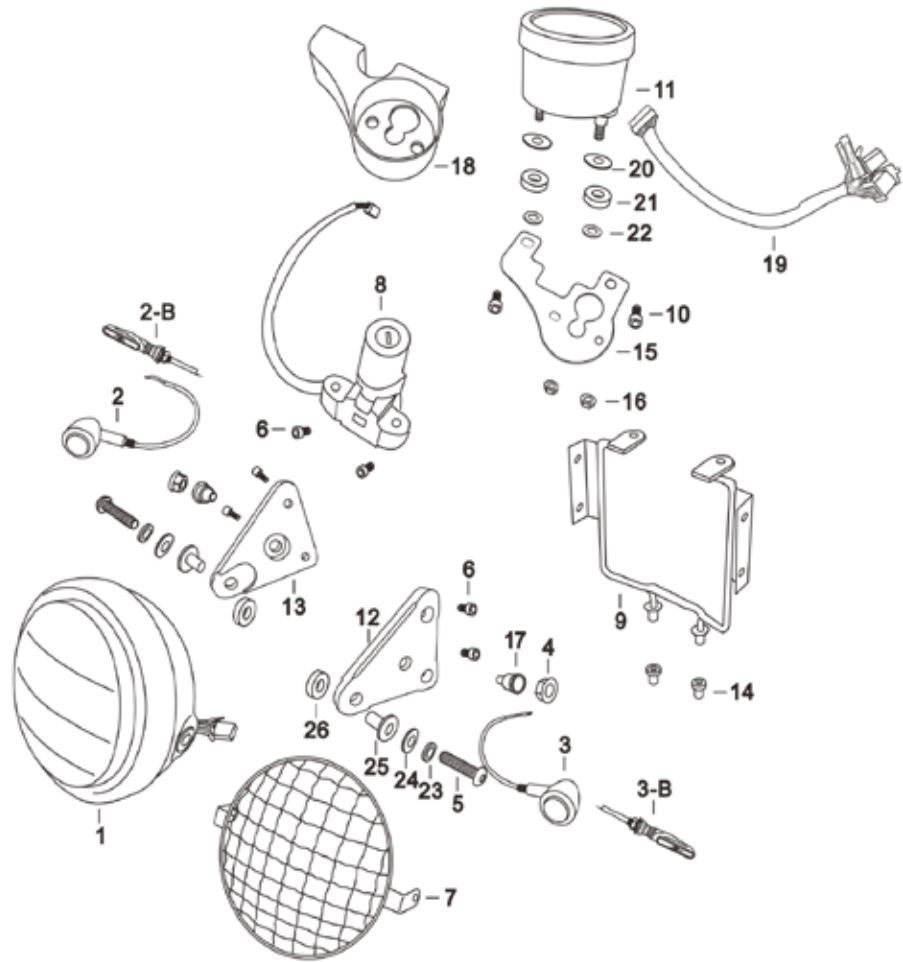


| ITEM NO. | MUTT PART NO. | BARCODE REF. | PART DESCRIPTION | CAT CODE | CATEGORY | SIZE | COLOUR | QTY. |
|----------|---------------|---------------|---|----------|------------------|----------------|-----------|------|
| 1-B | MPT-1405 | 1031400106000 | FRAME - 125 - AKITA - 2021 | C080 | FRAME | | Black | 1 |
| 2-B | MPT-0013 | 1030300029000 | ENGINE BRACKET - LOWER | C015 | BRACKET | | No Colour | 1 |
| 3 | MPT-0873 | 7013008085168 | HEX BOLT - FLANGED - M8x85 | C012 | BOLT | M8x85 | No Colour | 1 |
| 4 | MPT-0874 | 7013008090168 | HEX BOLT - FLANGED - M8x90 | C012 | BOLT | M8x90 | No Colour | 1 |
| 5 | MPT-0870 | 7013008065168 | HEX BOLT - FLANGED - M8x65 | C012 | BOLT | M8x65 | No Colour | 2 |
| 6 | MPT-0907 | 7033608000148 | SELF-LOCKING HEX NUT - FLANGED - M8 | C158 | SELF-LOCKING NUT | M8 | No Colour | 8 |
| 7 | MPT-0396 | 1260300330000 | CLAMP | C041 | CLAMP | ø8.5x17x75 | No Colour | 1 |
| 8 | MPT-1403 | 1031400105000 | ENGINE BRACKET - UPPER | C015 | BRACKET | | No Colour | 2 |
| 9 | MPT-0869 | 7013008050168 | HEX BOLT - FLANGED - M8x50 | C012 | BOLT | M8x50 | No Colour | 3 |
| 10 | MPT-0875 | 7013008100168 | HEX BOLT - FLANGED - M8x100 | C012 | BOLT | M8x100 | No Colour | 1 |
| 11-B | MPT-0084 | 1041400193000 | FOOTPEG - FRONT - WITH HANGER/BRACKETS - CNC - BLACK - LH | C076 | FOOTPEG | | Black | 1 |
| 12-B | MPT-0085 | 1041400194000 | FOOTPEG - FRONT - WITH HANGER/BRACKETS - CNC - BLACK - RH | C076 | FOOTPEG | | Black | 1 |
| 13 | MPT-0941 | 7500310032168 | BOLT - M10x32 - FRONT FOOTPEG | C012 | BOLT | M10x32 | No Colour | 2 |
| 14 | MPT-0941 | 7500310032168 | BOLT - M10x32 - FRONT FOOTPEG | C012 | BOLT | M10x32 | No Colour | 2 |
| 15 | MPT-0899 | 7031910000347 | HEX NUT - M10x1.5 | C118 | NUT | M10x1.5 | No Colour | 1 |
| 16 | MPT-0071 | 1041400063500 | SIDE STAND - 255MM | C162 | SIDE STAND | 255mm | Black | 1 |
| 17 | MPT-0441 | 1291300030000 | SIDE STAND SPRING | C176 | SPRING | ø3.0(ø1.5)x104 | No Colour | 1 |
| 18 | MPT-0960 | 7640310035167 | SIDE STAND BOLT - M10x35x1.5 | C012 | BOLT | M10x35x1.5 | No Colour | 1 |
| 19 | MPT-0314 | 1183700220000 | SIDE STAND SWITCH | C189 | SWITCH | | No Colour | 1 |
| 20 | MPT-0880 | 7021805014157 | SCREW - M5x14 | C152 | SCREW | M5x14 | No Colour | 2 |
| 21-B | MPT-0411 | 1260700040206 | FOOTPEG - PILLION - WITH HANGER/BRACKETS - CNC BLACK - LH | C076 | FOOTPEG | | Black | 1 |
| 22 | MPT-0850 | 7012810025367 | HEX BOLT - FLANGED - M10x25x1.25 - REAR FOOTPEG - LH | C012 | BOLT | M10x25x1.25 | No Colour | 1 |
| 23 | MPT-0851 | 7012810045367 | HEX BOLT - FLANGED - M10x45x1.25 | C012 | BOLT | M10x45x1.25 | No Colour | 1 |
| 24-B | MPT-0412 | 1260700040216 | FOOTPEG - PILLION - WITH HANGER/BRACKETS - CNC BLACK - RH | C076 | FOOTPEG | | Black | 1 |
| 25 | MPT-0912 | 7034310000347 | HEX NUT - FLANGED - M10x1.25 | C118 | NUT | M10x1.25 | No Colour | 1 |
| 26 | MPT-0387 | 1260300100001 | CHAIN SLIDER - LOWER | C039 | CHAIN SLIDER | | No Colour | 1 |
| 27 | MPT-0925 | 7070042016007 | SCREW - ST4.2x16 | C152 | SCREW | ST4.2x16 | No Colour | 1 |
| 28 | MPT-0044 | 1040400211000 | CLUTCH CABLE GUIDE | C028 | CABLE GUIDE | | No Colour | 1 |
| 29 | MPT-0855 | 7013006012268 | HEX BOLT - FLANGED - M6x12 | C012 | BOLT | M6x12 | No Colour | 1 |
| 30-A | MPT-0020 | 1031400094000 | GRABRAIL - REAR | C007 | GRABRAIL | | Black | 1 |
| 30-B | MPT-0019 | 1031400073180 | FRAME PLUGS - REAR - CNC | C081 | FRAME PLUGS | | Black | 2 |
| 31 | MPT-0847 | 7012808130168 | PAN HEAD HEX BOLT - FLANGED - M8x30 - FRAME END | C012 | BOLT | M8x30 | No Colour | 2 |
| 32 | MPT-0846 | 7012808125168 | PAN HEAD HEX BOLT - FLANGED - M8x25 - FRAME END | C012 | BOLT | M8x25 | No Colour | 2 |
| 33 | MPT-0906 | 7032608000247 | HEX NUT - FLANGED - M8 | C118 | NUT | M8 | No Colour | 4 |
| 34 | MPT-0362 | 1250809000800 | SUMP GUARD - 125 - BLACK | C186 | SUMP GUARD | | Black | 1 |
| 35 | MPT-0385 | 1260300071000 | WASHER - 8x10.1x4.2 | C206 | WASHER | 8x10.1x4.2 | No Colour | 3 |
| 36 | MPT-0025 | 1040101200000 | BRACKET - SUMP GUARD - MAIN | C015 | BRACKET | | Black | 1 |
| 37 | MPT-0379 | 1260200200000 | FLANGED WASHER | C206 | WASHER | M8 | No Colour | 3 |
| 38 | MPT-0010 | 1030100041000 | BRACKET - SUMP GUARD - REAR - LH | C015 | BRACKET | | Black | 1 |
| 39 | MPT-0011 | 1030100042000 | BRACKET - SUMP GUARD - REAR - RH | C015 | BRACKET | | Black | 1 |
| 40 | MPT-0915 | 7050108161648 | WASHER - FLAT - 8x16x1.6 | C206 | WASHER | 8x16x1.6 | No Colour | 3 |
| 41 | MPT-0844 | 7012808040268 | HEX BOLT - FLANGED - M8x40 | C012 | BOLT | M8x40 | No Colour | 1 |
| 42 | MPT-0843 | 7012808036168 | HEX BOLT - FLANGED - M8x20 | C012 | BOLT | M8x20 | No Colour | 4 |
| 37 | MPT-0379 | 1260200200000 | BOLT - M8x100 | C012 | BOLT | M8x100 | No Colour | 3 |
| 38 | MPT-0010 | 1030100041000 | BRACKET - SUMP GUARD - REAR - LH | C015 | BRACKET | | Black | 1 |
| 39 | MPT-0011 | 1030100042000 | BRACKET - SUMP GUARD - REAR - RH | C015 | BRACKET | | Black | 1 |
| 40 | MPT-0915 | 7050108161648 | WASHER - FLAT - 8x16x1.6 | C206 | WASHER | 8x16x1.6 | No Colour | 3 |
| 41 | MPT-0844 | 7012808040268 | HEX BOLT - FLANGED - M8x40 | C012 | BOLT | M8x40 | No Colour | 1 |
| 42 | MPT-0843 | 7012808036168 | HEX BOLT - FLANGED - M8x20 | C012 | BOLT | M8x20 | No Colour | 4 |

125EU503-F11A



| ENGINE | 125 | APPROVAL | EU5 | VERSION | 03 |
|--------------|------------|-------------------------|-----|---------|----|
| DIAGRAM REF. | GROUP REF. | GROUP | | | |
| F11A | F11 | SPEEDOMETER & HEADLIGHT | | | |



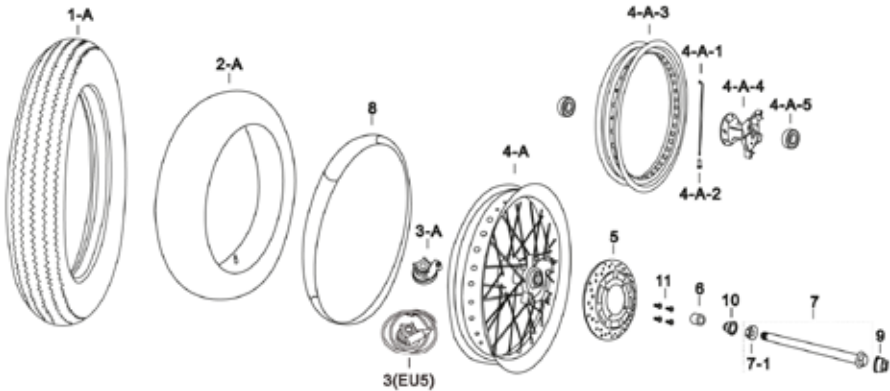
| ITEM NO. | MUTT PART NO. | BARCODE REF. | PART DESCRIPTION | CAT CODE | CATEGORY | SIZE | COLOUR | QTY. |
|----------|---------------|---------------|---|----------|-----------------|------------|-------------------|------|
| 1 | MPT-0283 | 1170400075000 | HEADLIGHT - MATT BLACK | C097 | HEADLIGHT | | Matt Black | 1 |
| 1 | MPT-0284 | 1170400076000 | HEADLIGHT - CHROME | C097 | HEADLIGHT | | Chrome | 1 |
| 1 | MPT-1432 | 1171400094000 | HEADLIGHT - LED - BLACK | C097 | HEADLIGHT | | Black | 1 |
| 2 | MPT-0288 | 1171000066300 | INDICATOR - FRONT - LED - CNC - RH - BLACK | C102 | INDICATOR | | Black | 1 |
| 2 | MPT-0287 | 1171000066200 | INDICATOR - FRONT - LED - CNC - RH - BRUSHED | C102 | INDICATOR | | Brushed Aluminium | 1 |
| 2-B | MPT-1433 | 1171000029000 | INDICATOR - FLEXI-LED - FRONT - RH | C102 | INDICATOR | | No Colour | 1 |
| 3 | MPT-0286 | 1171000056300 | INDICATOR - FRONT - LED - CNC - LH - BLACK | C102 | INDICATOR | | Black | 1 |
| 3 | MPT-0285 | 1171000056200 | INDICATOR - FRONT - LED - CNC - LH - BRUSHED | C102 | INDICATOR | | Brushed Aluminium | 1 |
| 3-B | MPT-1434 | 1171000019000 | INDICATOR - FLEXI-LED - FRONT - LH | C102 | INDICATOR | | No Colour | 1 |
| 4 | MPT-0912 | 7034310000347 | HEX NUT - FLANGED - M10x1.25 | C118 | NUT | M10x1.25 | No Colour | 2 |
| 5 | MPT-1249 | 7012808300160 | BOLT - M8x30 | C012 | BOLT | M8x30 | No Colour | 2 |
| 6 | MPT-0887 | 7024906016260 | HEX SOCKET HEAD SCREW - M6x16 | C012 | BOLT | M6x16 | No Colour | 6 |
| 7 | MPT-0040 | 1040400038100 | HEADLIGHT GRILL - BLACK | C091 | GRILL | | Black | 1 |
| 7 | MPT-0041 | 1040400038300 | HEADLIGHT GRILL - STAINLESS STEEL | C091 | GRILL | | Stainless Steel | 1 |
| 8 | MPT-0471 | 1650500010000 | IGNITION SWITCH - MUTT | C189 | SWITCH | | No Colour | 1 |
| 9 | MPT-0067 | 1041400033000 | BRACKET - HEADLIGHT - MAIN | C015 | BRACKET | | Black | 1 |
| 10 | MPT-0888 | 7024908020267 | HEX SOCKET HEAD SCREW - M8x20 | C012 | BOLT | M8x20 | No Colour | 2 |
| 11 | MPT-1251 | 1161400016700 | SPEEDOMETER - DIGITAL - BLACK | C172 | SPEEDOMETER | | Black | 1 |
| 12 | MPT-0062 | 1041300050211 | BRACKET - HEADLIGHT - CNC - BLACK - LH | C015 | BRACKET | | Black | 1 |
| 12 | MPT-0061 | 1041300050210 | BRACKET - HEADLIGHT - CNC - BRUSHED - LH | C015 | BRACKET | | Brushed Aluminium | 1 |
| 12 | MPT-1435 | 1041300050212 | BRACKET - HEADLIGHT - CNC - BLACK - LH - 12MM | C015 | BRACKET | | Black | 1 |
| 13 | MPT-0064 | 1041300050221 | BRACKET - HEADLIGHT - CNC - BLACK - RH | C015 | BRACKET | | Black | 1 |
| 13 | MPT-0063 | 1041300050220 | BRACKET - HEADLIGHT - CNC - BRUSH - RH | C015 | BRACKET | | Brushed Aluminium | 1 |
| 13 | MPT-1436 | 1041300050222 | BRACKET - HEADLIGHT - CNC - BLACK - RH - 12MM | C015 | BRACKET | | Black | 1 |
| 14 | MPT-0378 | 1260200152000 | RUBBER GROMMET - HEADLIGHT | C146 | RUBBER GROMMET | | No Colour | 2 |
| 15 | MPT-0065 | 1041400021000 | BRACKET - SPEEDO | C015 | BRACKET | | Black | 1 |
| 16 | MPT-0905 | 7032606000248 | HEX NUT - FLANGED - M6 | C118 | NUT | M6 | No Colour | 2 |
| 17 | MPT-0422 | 1261400141000 | RUBBER SLEEVE - INDICATORS | C151 | RUBBER SLEEVE | | No Colour | 2 |
| 18 | MPT-1248 | 1220200230000 | SPEEDOMETER SURROUND - CNC - BLACK | C171 | SPEEDO SURROUND | | Black | 1 |
| 19 | MPT-1252 | 1161400016703 | WIRE - SPEEDOMETER | C208 | WIRE | | No Colour | 1 |
| 20 | MPT-0379 | 1260200200000 | FLANGED WASHER | C206 | WASHER | M8 | No Colour | 2 |
| 21 | MPT-1070 | 1260300300000 | RUBBER RING | C149 | RUBBER RING | | No Colour | 2 |
| 22 | MPT-0915 | 7050108161648 | WASHER - FLAT - 8x16x1.6 | C206 | WASHER | 8x16x1.6 | No Colour | 2 |
| 23 | MPT-0914 | 7050008104235 | WASHER - ELASTIC - 8x10.1x4.2 | C071 | ELASTIC WASHER | 8x10.1x4.2 | No Colour | 2 |
| 24 | MPT-0915 | 7050108161648 | WASHER - FLAT - 8x16x1.6 | C206 | WASHER | 8x16x1.6 | No Colour | 2 |
| 25 | MPT-1250 | 7550308160407 | BUSHING | C023 | BUSHING | ø8xø16x4 | No Colour | 2 |
| 26 | MPT-1070 | 1260300300000 | RUBBER RING | C149 | RUBBER RING | | No Colour | 2 |

125EU503-F12A



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| ENGINE | 125 | APPROVAL | EU5 | VERSION | 03 |
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| DIAGRAM REF. | GROUP REF. | GROUP | | | |
| F12A | F12 | WHEELS - FRONT | | | |

| ITEM NO. | MUTT PART NO. | BARCODE REF. | PART DESCRIPTION | CAT CODE | CATEGORY | SIZE | COLOUR | QTY. |
|----------|---------------|---------------|---|----------|--------------|-------------------|-----------|------|
| 1-A | MPT-0148 | 1090100194000 | TYRE - 4.00×18 64S | C202 | TYRE | 4.00×18 | No Colour | 1 |
| 2-A | MPT-0151 | 1090100197000 | INNER TUBE - 4.0×18 | C103 | INNER TUBE | 4.00×18 | No Colour | 1 |
| 3 | MPT-1253 | 1081400053000 | SPEEDOMETER DRIVE - DIGITAL | C170 | SPEEDO DRIVE | | No Colour | 1 |
| 4-A | MPT-0130 | 1081400014540 | WHEEL - FRONT - ALL BLACK - BLACK SPOKES | C207 | WHEEL | 2.5×18 INCH | Black | 1 |
| 4-A-1 | MPT-0450 | 1551400005410 | SPOKE - FRONT WHEEL - STAINLESS - BLACK | C175 | SPOKES | 3.5x186mm | Black | 36 |
| 4-A-2 | MPT-0455 | 1551400009210 | SPOKE CAP - FRONT WHEEL - BLACK | C174 | SPOKE CAP | | Black | 36 |
| 4-A-3 | MPT-0006 | 1020210090000 | WHEEL - RIM - FRONT AND REAR - 2.5×18 - BLACK | C140 | RIM | 2.5×18 | Black | 1 |
| 4-A-4 | MPT-0452 | 1551400007000 | HUB - FRONT - BLACK | C100 | HUB | | Black | 1 |
| 4-A-5 | MPT-0128 | 1080500022000 | WHEEL BEARING - FRONT | C011 | BEARING | ø15mm×ø35mm×W11mm | No Colour | 2 |
| 4-A-6 | MPT-1174 | 1551400008400 | WHEEL BEARING SEAL - FRONT - LH/RH | C153 | SEAL | ø23×ø37×7 | No Colour | 2 |
| 5 | MPT-0256 | 1141400029000 | BRAKE DISC - FRONT | C062 | DISC | | No Colour | 1 |
| 6 | MPT-0141 | 1081400070908 | SPACER - FRONT WHEEL | C166 | SPACER | ø15(M14×1.5)×288 | No Colour | 1 |
| 7 | MPT-0140 | 1081400061008 | WHEEL SPINDLE - FRONT - WITH NUT | C173 | SPINDLE | M14(F15)×240×1.5 | No Colour | 1 |
| 7-1 | MPT-0125 | 1080100142000 | NUT - WHEEL SPINDLE | C118 | NUT | | No Colour | 1 |
| 8 | MPT-0162 | 1090100999000 | RIM TAPE | C141 | RIM TAPE | | No Colour | 1 |
| 9 | MPT-0375 | 1260100510000 | WHEEL NUT RUBBER COVER - M17 | C145 | RUBBER COVER | M17 | No Colour | 1 |
| 10 | MPT-0376 | 1260100520000 | WHEEL NUT RUBBER COVER - M19 | C145 | RUBBER COVER | M19 | No Colour | 1 |
| 11 | MPT-0845 | 7012808041168 | STEP BOLT - M8×20 - DISC | C183 | STEP BOLT | M8×20 | No Colour | 4 |

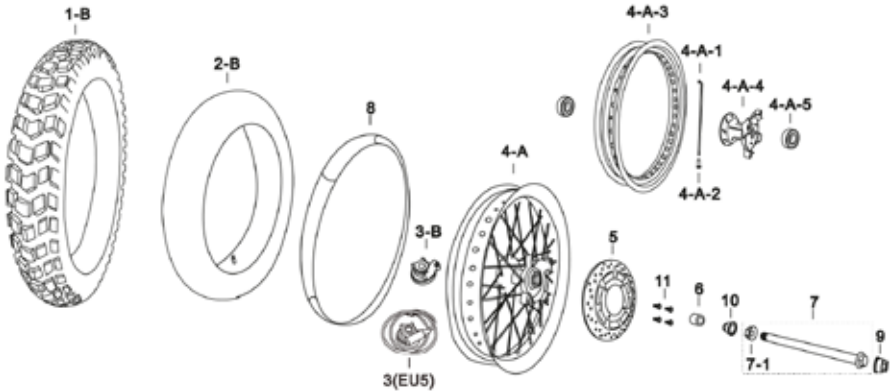


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| ENGINE | 125 | APPROVAL | EU5 | VERSION | 03 |
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| DIAGRAM REF. | GROUP REF. | GROUP | | | |
| F12B | F12 | WHEELS - FRONT | | | |

| ITEM NO. | MUTT PART NO. | BARCODE REF. | PART DESCRIPTION | CAT CODE | CATEGORY | SIZE | COLOUR | QTY. |
|----------|---------------|---------------|---|----------|--------------|-------------------|-----------|------|
| 1-B | MPT-0152 | 1090100198000 | TYRE - 4.10x18 KNOBBLY 59P | C202 | TYRE | 4.10x18 | No Colour | 1 |
| 2-B | MPT-0147 | 1090100191000 | INNER TUBE - YUANXING 4.1-18 | C103 | INNER TUBE | 4.10x18 | No Colour | 1 |
| 3 | MPT-1253 | 1081400053000 | SPEEDOMETER DRIVE - DIGITAL | C170 | SPEEDO DRIVE | | No Colour | 1 |
| 4-A | MPT-0130 | 1081400014540 | WHEEL - FRONT - ALL BLACK - BLACK SPOKES | C207 | WHEEL | 2.5x18 INCH | Black | 1 |
| 4-A-1 | MPT-0450 | 1551400005410 | SPOKE - FRONT WHEEL - STAINLESS - BLACK | C175 | SPOKES | 3.5x186mm | Black | 36 |
| 4-A-2 | MPT-0455 | 1551400009210 | SPOKE CAP - FRONT WHEEL - BLACK | C174 | SPOKE CAP | | Black | 36 |
| 4-A-3 | MPT-0006 | 1020210090000 | WHEEL - RIM - FRONT AND REAR - 2.5x18 - BLACK | C140 | RIM | 2.5x18 | Black | 1 |
| 4-A-4 | MPT-0452 | 1551400007000 | HUB - FRONT - BLACK | C100 | HUB | | Black | 1 |
| 4-A-5 | MPT-0128 | 1080500022000 | WHEEL BEARING - FRONT | C011 | BEARING | ø15mmxø35mmxW11mm | No Colour | 2 |
| 4-A-6 | MPT-1174 | 1551400008400 | WHEEL BEARING SEAL - FRONT - LH/RH | C153 | SEAL | ø23xø37x7 | No Colour | 2 |
| 5 | MPT-0256 | 1141400029000 | BRAKE DISC - FRONT | C062 | DISC | | No Colour | 1 |
| 6 | MPT-0141 | 1081400070908 | SPACER - FRONT WHEEL | C166 | SPACER | | No Colour | 1 |
| 7 | MPT-0140 | 1081400061008 | WHEEL SPINDLE - FRONT - WITH NUT | C173 | SPINDLE | M14(F15)x240x1.5 | No Colour | 1 |
| 7-1 | MPT-0125 | 1080100142000 | NUT - WHEEL SPINDLE | C118 | NUT | | No Colour | 1 |
| 8 | MPT-0162 | 1090100999000 | RIM TAPE | C141 | RIM TAPE | | No Colour | 1 |
| 9 | MPT-0375 | 1260100510000 | WHEEL NUT RUBBER COVER - M17 | C145 | RUBBER COVER | M17 | No Colour | 1 |
| 10 | MPT-0376 | 1260100520000 | WHEEL NUT RUBBER COVER - M19 | C145 | RUBBER COVER | M19 | No Colour | 1 |
| 11 | MPT-0845 | 7012808041168 | STEP BOLT - M8x20 - DISC | C183 | STEP BOLT | M8x20 | No Colour | 4 |

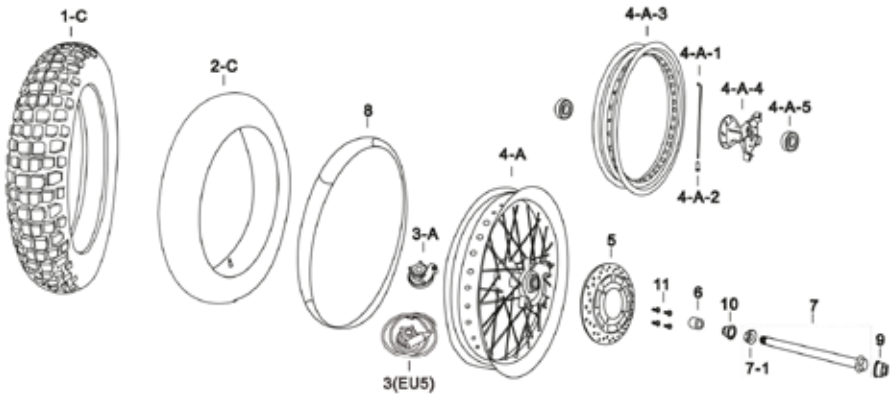


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| ENGINE | 125 | APPROVAL | EU5 | VERSION | 03 |
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| DIAGRAM REF. | GROUP REF. | GROUP | | | |
| F12C | F12 | WHEELS - FRONT | | | |

| ITEM NO. | MUTT PART NO. | BARCODE REF. | PART DESCRIPTION | CAT CODE | CATEGORY | SIZE | COLOUR | QTY. |
|----------|---------------|---------------|--|----------|--------------|-------------------|-----------|------|
| 1-C | MPT-0153 | 1090100215000 | TYRE - 120/90×18 65P | C202 | TYRE | 120/90×18 | No Colour | 1 |
| 2-C | MPT-0154 | 1090100216000 | INNER TUBE - 120/90×18 | C103 | INNER TUBE | 120/90×18 | No Colour | 1 |
| 3 | MPT-1253 | 1081400053000 | SPEEDOMETER DRIVE - DIGITAL | C170 | SPEEDO DRIVE | | No Colour | 1 |
| 4-A | MPT-0130 | 1081400014540 | WHEEL - FRONT - ALL BLACK - BLACK SPOKES | C207 | WHEEL | 2.5×18 INCH | Black | 1 |
| 4-A | MPT-0131 | 1081400014810 | WHEEL - FRONT - ALL CHROME - STAINLESS SPOKES | C207 | WHEEL | 2.5×18 INCH | Chrome | 1 |
| 4-A-1 | MPT-0450 | 1551400005410 | SPOKE - FRONT WHEEL - STAINLESS - BLACK | C175 | SPOKES | 3.5x186mm | Black | 36 |
| 4-A-1 | MPT-0451 | 1551400005500 | SPOKE - FRONT WHEEL - STAINLESS - CHROME | C175 | SPOKES | 3.5x186mm | Chrome | 36 |
| 4-A-2 | MPT-0455 | 1551400009210 | SPOKE CAP - FRONT WHEEL - BLACK | C174 | SPOKE CAP | | Black | 36 |
| 4-A-2 | MPT-0454 | 1551400009200 | SPOKE CAP - FRONT WHEEL - CHROME | C174 | SPOKE CAP | | Chrome | 36 |
| 4-A-3 | MPT-0006 | 1020210090000 | WHEEL - RIM - FRONT AND REAR - 2.5×18 - BLACK | C140 | RIM | 2.5×18 | Black | 1 |
| 4-A-3 | MPT-0007 | 1020210092000 | WHEEL - RIM - FRONT AND REAR - 2.5×18 - CHROME | C140 | RIM | 2.5×18 | Chrome | 1 |
| 4-A-4 | MPT-0452 | 1551400007000 | HUB - FRONT - BLACK | C100 | HUB | | Black | 1 |
| 4-A-5 | MPT-0128 | 1080500022000 | WHEEL BEARING - FRONT | C011 | BEARING | ø15mm×ø35mm×W11mm | No Colour | 2 |
| 4-A-6 | MPT-1174 | 1551400008400 | WHEEL BEARING SEAL - FRONT - LH/RH | C153 | SEAL | ø23×ø37×7 | No Colour | 2 |
| 5 | MPT-0256 | 1141400029000 | BRAKE DISC - FRONT | C062 | DISC | | No Colour | 1 |
| 6 | MPT-0141 | 1081400070908 | SPACER - FRONT WHEEL | C166 | SPACER | | No Colour | 1 |
| 7 | MPT-0140 | 1081400061008 | WHEEL SPINDLE - FRONT - WITH NUT | C173 | SPINDLE | M14(F15)×240×1.5 | No Colour | 1 |
| 7-1 | MPT-0125 | 1080100142000 | NUT - WHEEL SPINDLE | C118 | NUT | | No Colour | 1 |
| 8 | MPT-0162 | 1090100999000 | RIM TAPE | C141 | RIM TAPE | | No Colour | 1 |
| 9 | MPT-0375 | 1260100510000 | WHEEL NUT RUBBER COVER - M17 | C145 | RUBBER COVER | M17 | No Colour | 1 |
| 10 | MPT-0376 | 1260100520000 | WHEEL NUT RUBBER COVER - M19 | C145 | RUBBER COVER | M19 | No Colour | 1 |
| 11 | MPT-0845 | 7012808041168 | STEP BOLT - M8×20 - DISC | C183 | STEP BOLT | M8×20 | No Colour | 4 |



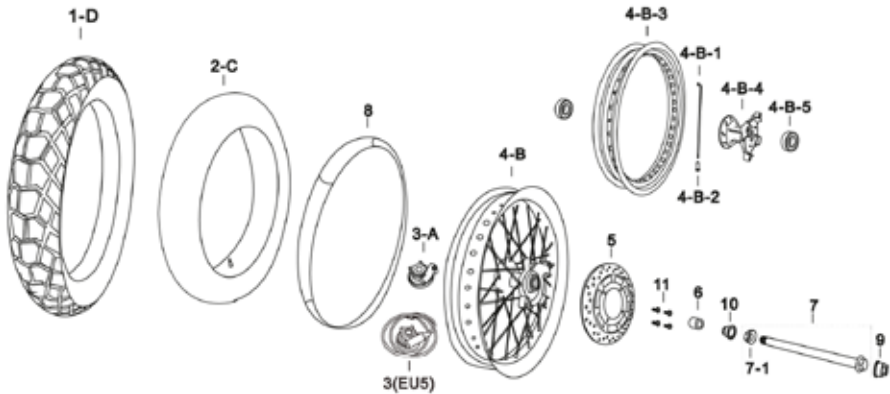
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| ENGINE | 125 | APPROVAL | EU5 | VERSION | 03 |
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| DIAGRAM REF. | GROUP REF. | GROUP |
| F12D | F12 | WHEELS - FRONT |

| ITEM NO. | MUTT PART NO. | BARCODE REF. | PART DESCRIPTION | CAT CODE | CATEGORY | SIZE | COLOUR | QTY. |
|----------|---------------|---------------|--|----------|--------------|-------------------|-----------|------|
| 1-D | MPT-0157 | 1090100219000 | TYRE - 120/90×18 823 - FRONT | C202 | TYRE | 120/90×18 | No Colour | 1 |
| 2-C | MPT-0154 | 1090100216000 | INNER TUBE - 120/90×18 | C103 | INNER TUBE | 120/90×18 | No Colour | 1 |
| 3 | MPT-1253 | 1081400053000 | SPEEDOMETER DRIVE - DIGITAL | C170 | SPEEDO DRIVE | | No Colour | 1 |
| 4-A | MPT-0131 | 1081400014810 | WHEEL - FRONT - ALL CHROME - STAINLESS SPOKES | C207 | WHEEL | 2.5×18 INCH | Chrome | 1 |
| 4-A-1 | MPT-0451 | 1551400005500 | SPOKE - FRONT WHEEL - STAINLESS - CHROME | C175 | SPOKES | 3.5x186mm | Chrome | 36 |
| 4-A-2 | MPT-0454 | 1551400009200 | SPOKE CAP - FRONT WHEEL - CHROME | C174 | SPOKE CAP | | Chrome | 36 |
| 4-A-3 | MPT-0007 | 1020210092000 | WHEEL - RIM - FRONT AND REAR - 2.5×18 - CHROME | C140 | RIM | 2.5×18 | Chrome | 1 |
| 4-A-4 | MPT-0452 | 1551400007000 | HUB - FRONT - BLACK | C100 | HUB | | Black | 1 |
| 4-A-5 | MPT-0128 | 1080500022000 | WHEEL BEARING - FRONT | C011 | BEARING | ø15mm×ø35mm×W11mm | No Colour | 2 |
| 4-A-6 | MPT-1357 | 1551400008700 | WHEEL BEARING SEAL - FRONT - LH/RH | C153 | SEAL | ø22×ø35×5 | No Colour | 2 |
| 5 | MPT-0256 | 1141400029000 | BRAKE DISC - FRONT | C062 | DISC | | No Colour | 1 |
| 6 | MPT-0141 | 1081400070908 | SPACER - FRONT WHEEL | C166 | SPACER | | No Colour | 1 |
| 7 | MPT-0140 | 1081400061008 | WHEEL SPINDLE - FRONT - WITH NUT | C173 | SPINDLE | M14(F15)×240×1.5 | No Colour | 1 |
| 7-1 | MPT-0125 | 1080100142000 | NUT - WHEEL SPINDLE | C118 | NUT | | No Colour | 1 |
| 8 | MPT-0162 | 1090100999000 | RIM TAPE | C141 | RIM TAPE | | No Colour | 1 |
| 9 | MPT-0375 | 1260100510000 | WHEEL NUT RUBBER COVER - M17 | C145 | RUBBER COVER | M17 | No Colour | 1 |
| 10 | MPT-0376 | 1260100520000 | WHEEL NUT RUBBER COVER - M19 | C145 | RUBBER COVER | M19 | No Colour | 1 |
| 11 | MPT-0845 | 7012808041168 | STEP BOLT - M8×20 - DISC | C183 | STEP BOLT | M8×20 | No Colour | 4 |
| 8 | MPT-0162 | 1090100999000 | RIM TAPE | C141 | RIM TAPE | | No Colour | 1 |
| 9 | MPT-0375 | 1260100510000 | WHEEL NUT RUBBER COVER - M17 | C145 | RUBBER COVER | M17 | No Colour | 1 |
| 10 | MPT-0376 | 1260100520000 | WHEEL NUT RUBBER COVER - M19 | C145 | RUBBER COVER | M19 | No Colour | 1 |
| 11 | MPT-0845 | 7012808041168 | STEP BOLT - M8×20 - DISC | C183 | STEP BOLT | M8×20 | No Colour | 4 |



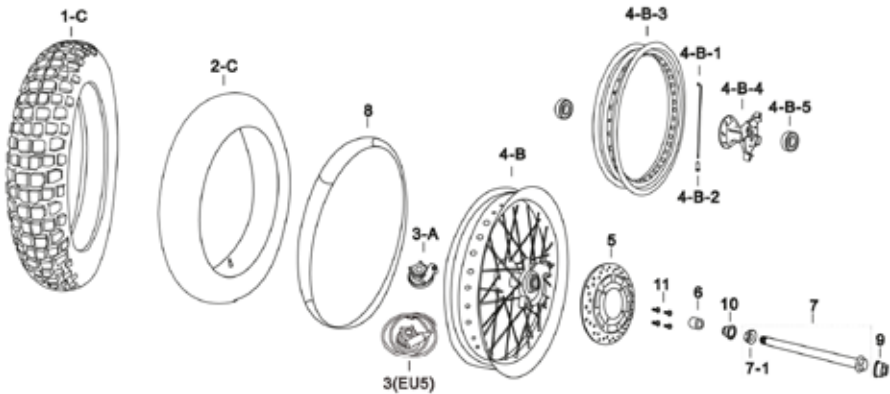
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| ENGINE | 125 | APPROVAL | EU5 | VERSION | 03 |
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| DIAGRAM REF. | GROUP REF. | GROUP |
| F12E | F12 | WHEELS - FRONT |

| ITEM NO. | MUTT PART NO. | BARCODE REF. | PART DESCRIPTION | CAT CODE | CATEGORY | SIZE | COLOUR | QTY. |
|----------|---------------|---------------|--|----------|--------------|-------------------|-----------|------|
| 1-C | MPT-0153 | 1090100215000 | TYRE - 120/90×18 65P | C202 | TYRE | 120/90×18 | No Colour | 1 |
| 2-C | MPT-0154 | 1090100216000 | INNER TUBE - 120/90×18 | C103 | INNER TUBE | 120/90×18 | No Colour | 1 |
| 3 | MPT-1253 | 1081400053000 | SPEEDOMETER DRIVE - DIGITAL | C170 | SPEEDO DRIVE | | No Colour | 1 |
| 4-B | MPT-0132 | 1081400014910 | WHEEL - FRONT - ALL BLACK - STAINLESS SPOKES - ALUMINIUM RIM | C207 | WHEEL | 2.5×18 INCH | Black | 1 |
| 4-B-1 | MPT-0451 | 1551400005500 | SPOKE - FRONT WHEEL - STAINLESS - CHROME | C175 | SPOKES | 3.5x186mm | Chrome | 36 |
| 4-B-2 | MPT-0454 | 1551400009200 | SPOKE CAP - FRONT WHEEL - CHROME | C174 | SPOKE CAP | | Chrome | 36 |
| 4-B-3 | MPT-0008 | 1020210093000 | WHEEL - RIM - ALUMINIUM - FRONT AND REAR - 2.5×18 - BLACK | C140 | RIM | 2.5×18 | Black | 1 |
| 4-B-4 | MPT-0452 | 1551400007000 | HUB - FRONT - BLACK | C100 | HUB | | Black | 1 |
| 4-B-5 | MPT-0128 | 1080500022000 | WHEEL BEARING - FRONT | C011 | BEARING | ø15mm×ø35mm×W11mm | No Colour | 2 |
| 4-B-6 | MPT-1357 | 1551400008700 | WHEEL BEARING SEAL - FRONT - LH/RH | C153 | SEAL | ø22×ø35×5 | No Colour | 2 |
| 5 | MPT-0256 | 1141400029000 | BRAKE DISC - FRONT | C062 | DISC | | No Colour | 1 |
| 6 | MPT-0141 | 1081400070908 | SPACER - FRONT WHEEL | C166 | SPACER | | No Colour | 1 |
| 7 | MPT-0140 | 1081400061008 | WHEEL SPINDLE - FRONT - WITH NUT | C173 | SPINDLE | M14(F15)×240×1.5 | No Colour | 1 |
| 7-1 | MPT-0125 | 1080100142000 | NUT - WHEEL SPINDLE | C118 | NUT | | No Colour | 1 |
| 8 | MPT-0162 | 1090100999000 | RIM TAPE | C141 | RIM TAPE | | No Colour | 1 |
| 9 | MPT-0375 | 1260100510000 | WHEEL NUT RUBBER COVER - M17 | C145 | RUBBER COVER | M17 | No Colour | 1 |
| 10 | MPT-0376 | 1260100520000 | WHEEL NUT RUBBER COVER - M19 | C145 | RUBBER COVER | M19 | No Colour | 1 |
| 11 | MPT-0845 | 7012808041168 | STEP BOLT - M8×20 - DISC | C183 | STEP BOLT | M8×20 | No Colour | 4 |



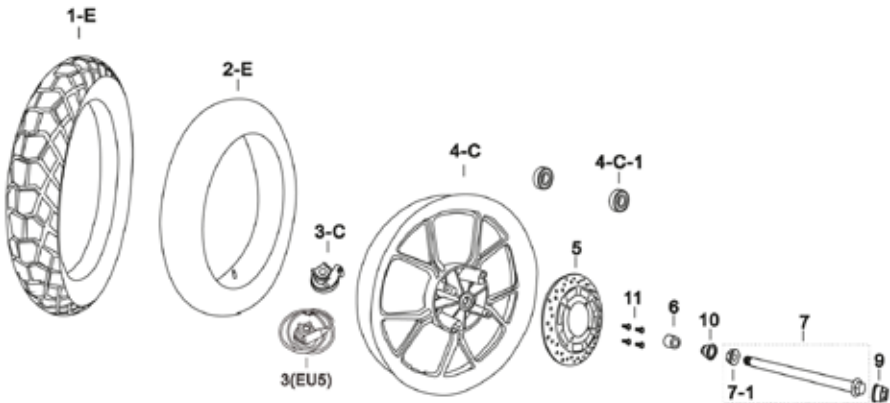
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| ENGINE | 125 | APPROVAL | EU5 | VERSION | 03 |
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| DIAGRAM REF. | GROUP REF. | GROUP |
| F12F | F12 | WHEELS - FRONT |

| ITEM NO. | MUTT PART NO. | BARCODE REF. | PART DESCRIPTION | CAT CODE | CATEGORY | SIZE | COLOUR | QTY. |
|----------|---------------|---------------|--|----------|--------------|-------------------|-----------|------|
| 1-E | MPT-0159 | 1090100265000 | TYRE - 120/70×17 - FRONT | C202 | TYRE | 120/70×17 | No Colour | 1 |
| 2-E | MPT-0161 | 1090100960000 | INNER TUBE - 120/70-17 | C103 | INNER TUBE | 120/70×17 | No Colour | 1 |
| 3 | MPT-1253 | 1081400053000 | SPEEDOMETER DRIVE - DIGITAL | C170 | SPEEDO DRIVE | | No Colour | 1 |
| 4-C | MPT-1406 | 1081400012110 | WHEEL - FRONT - MAG - BLACK - MT17×2.5 | C207 | WHEEL | 17 INCH | Black | 1 |
| 4-C-1 | MPT-0128 | 1080500022000 | WHEEL BEARING - FRONT | C011 | BEARING | ø15mm×ø35mm×W11mm | No Colour | 2 |
| 4-C-2 | MPT-1357 | 1551400008700 | WHEEL BEARING SEAL - FRONT - LH/RH | C153 | SEAL | ø22×ø35×5 | No Colour | 1 |
| 5 | MPT-0256 | 1141400029000 | BRAKE DISC - FRONT | C062 | DISC | | No Colour | 1 |
| 6 | MPT-0141 | 1081400070908 | SPACER - FRONT WHEEL | C166 | SPACER | | No Colour | 1 |
| 7 | MPT-0140 | 1081400061008 | WHEEL SPINDLE - FRONT - WITH NUT | C173 | SPINDLE | M14(F15)×240×1.5 | No Colour | 1 |
| 7-1 | MPT-0125 | 1080100142000 | NUT - WHEEL SPINDLE | C118 | NUT | | No Colour | 1 |
| 9 | MPT-0375 | 1260100510000 | WHEEL NUT RUBBER COVER - M17 | C145 | RUBBER COVER | M17 | No Colour | 1 |
| 10 | MPT-0376 | 1260100520000 | WHEEL NUT RUBBER COVER - M19 | C145 | RUBBER COVER | M19 | No Colour | 1 |
| 11 | MPT-0845 | 7012808041168 | STEP BOLT - M8×20 - DISC | C183 | STEP BOLT | M8×20 | No Colour | 4 |
| 11 | MPT-0845 | 7012808041168 | STEP BOLT - M8×20 - DISC | C183 | STEP BOLT | M8×20 | No Colour | 4 |



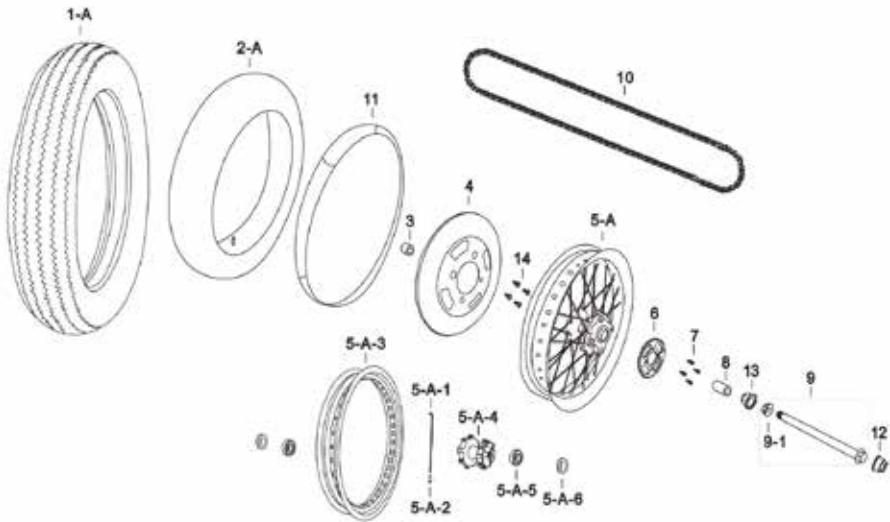
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| ENGINE | 125 | APPROVAL | EU5 | VERSION | 03 |
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| DIAGRAM REF. | GROUP REF. | GROUP |
| F13A | F13 | WHEELS - REAR |

| ITEM NO. | MUTT PART NO. | BARCODE REF. | PART DESCRIPTION | CAT CODE | CATEGORY | SIZE | COLOUR | QTY. |
|----------|---------------|---------------|--|----------|------------------|-------------------|-----------|------|
| 1-A | MPT-0148 | 1090100194000 | TYRE - 4.00x18 64S | C202 | TYRE | 4.00x18 | No Colour | 1 |
| 2-A | MPT-0151 | 1090100197000 | INNER TUBE - 4.0x18 | C103 | INNER TUBE | 4.00x18 | No Colour | 1 |
| 3 | MPT-0144 | 1081400090908 | SPACER - REAR WHEEL - LH | C166 | SPACER | ø28xø15x41 | No Colour | 1 |
| 4 | MPT-0264 | 1141400040000 | BRAKE DISC - REAR | C062 | DISC | | No Colour | 1 |
| 5-A | MPT-0133 | 1081400026710 | WHEEL - REAR - ALL BLACK - STAINLESS SPOKES | C207 | WHEEL | 2.5x18 INCH | Black | 1 |
| 5-A-1 | MPT-0449 | 1551400002410 | SPOKE - REAR WHEEL - STAINLESS - BLACK | C175 | SPOKES | 3.5x207mm | Black | 36 |
| 5-A-2 | MPT-0455 | 1551400009210 | SPOKE CAP - FRONT WHEEL - BLACK | C174 | SPOKE CAP | | Black | 36 |
| 5-A-3 | MPT-0006 | 1020210090000 | WHEEL - RIM - FRONT AND REAR - 2.5x18 - BLACK | C140 | RIM | 2.5x18 | Black | 1 |
| 5-A-4 | MPT-0453 | 1551400008000 | HUB - REAR - BLACK | C100 | HUB | | Black | 1 |
| 5-A-5 | MPT-0127 | 1080500021000 | WHEEL BEARING - REAR | C011 | BEARING | ø15mmxø42mmxW13mm | No Colour | 2 |
| 5-A-6 | MPT-1356 | 1551400008300 | WHEEL BEARING SEAL - REAR - LH/RH | C153 | SEAL | ø28xø42x7 | No Colour | |
| 6 | MPT-0121 | 1070100024000 | SPROCKET - REAR - 42T | C177 | SPROCKET | 42T | No Colour | 1 |
| 7 | MPT-0932 | 7112210030268 | BOLT WITH WASHER - M10x30x1.25 - SPROCKET REAR | C013 | BOLT WITH WASHER | M10x30x1.25 | No Colour | 4 |
| 8 | MPT-1407 | 1081400100908 | SPACER - REAR WHEEL - RH | C166 | SPACER | ø27xø15x12 | No Colour | 1 |
| 9 | MPT-0143 | 1081400080908 | WHEEL SPINDLE - REAR | C173 | SPINDLE | ø28xø15x51.5 | No Colour | 1 |
| 9-1 | MPT-0125 | 1080100142000 | NUT - WHEEL SPINDLE | C118 | NUT | | No Colour | 1 |
| 10 | MPT-1437 | 1070200141000 | CHAIN - 428HO-124L | C036 | CHAIN | | No Colour | 1 |
| 11 | MPT-0162 | 1090100999000 | RIM TAPE | C141 | RIM TAPE | | No Colour | 1 |
| 12 | MPT-0375 | 1260100510000 | WHEEL NUT RUBBER COVER - M17 | C145 | RUBBER COVER | M17 | No Colour | 1 |
| 13 | MPT-0376 | 1260100520000 | WHEEL NUT RUBBER COVER - M19 | C145 | RUBBER COVER | M19 | No Colour | 1 |
| 14 | MPT-0848 | 7012808225167 | NUT - HEX FLAT HEAD STEP BOLT - M8x25 - DISC | C183 | STEP BOLT | M8x25 | No Colour | 4 |



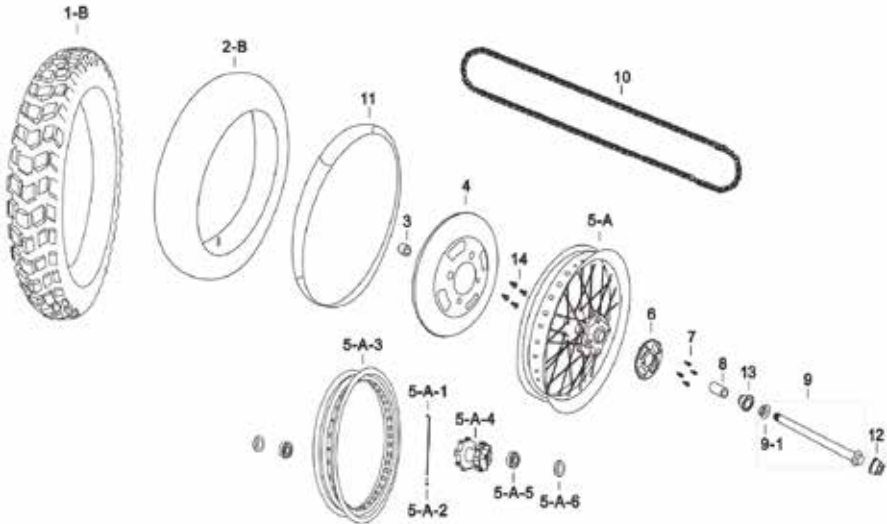
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| ENGINE | 125 | APPROVAL | EU5 | VERSION | 03 |
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| DIAGRAM REF. | GROUP REF. | GROUP |
| F13B | F13 | WHEELS - REAR |

| ITEM NO. | MUTT PART NO. | BARCODE REF. | PART DESCRIPTION | CAT CODE | CATEGORY | SIZE | COLOUR | QTY. |
|----------|---------------|---------------|--|----------|------------------|-------------------|-----------|------|
| 1-B | MPT-0152 | 1090100198000 | TYRE - 4.10x18 KNOBBLY 59P | C202 | TYRE | 4.10x18 | No Colour | 1 |
| 2-B | MPT-0147 | 1090100191000 | INNER TUBE - YUANXING 4.1-18 | C103 | INNER TUBE | 4.10x18 | No Colour | 1 |
| 3 | MPT-0144 | 1081400090908 | SPACER - REAR WHEEL - LH | C166 | SPACER | ø28xø15x41 | No Colour | 1 |
| 4 | MPT-0264 | 1141400040000 | BRAKE DISC - REAR | C062 | DISC | | No Colour | 1 |
| 5-A | MPT-0133 | 1081400026710 | WHEEL - REAR - ALL BLACK - STAINLESS SPOKES | C207 | WHEEL | 2.5x18 INCH | Black | 1 |
| 5-A-1 | MPT-0449 | 1551400002410 | SPOKE - REAR WHEEL - STAINLESS - BLACK | C175 | SPOKES | 3.5x207mm | Black | 36 |
| 5-A-2 | MPT-0455 | 1551400009210 | SPOKE CAP - FRONT WHEEL - BLACK | C174 | SPOKE CAP | | Black | 36 |
| 5-A-3 | MPT-0006 | 1020210090000 | WHEEL - RIM - FRONT AND REAR - 2.5x18 - BLACK | C140 | RIM | 2.5x18 | Black | 1 |
| 5-A-4 | MPT-0453 | 1551400008000 | HUB - REAR - BLACK | C100 | HUB | | Black | 1 |
| 5-A-5 | MPT-0127 | 1080500021000 | WHEEL BEARING - REAR | C011 | BEARING | ø15mmxø42mmxW13mm | No Colour | 2 |
| 5-A-6 | MPT-1356 | 1551400008300 | WHEEL BEARING SEAL - REAR - LH/RH | C153 | SEAL | ø28xø42x7 | No Colour | |
| 6 | MPT-0121 | 1070100024000 | SPROCKET - REAR - 42T | C177 | SPROCKET | 42T | No Colour | 1 |
| 7 | MPT-0932 | 7112210030268 | BOLT WITH WASHER - M10x30x1.25 - SPROCKET REAR | C013 | BOLT WITH WASHER | M10x30x1.25 | No Colour | 4 |
| 8 | MPT-1407 | 1081400100908 | SPACER - REAR WHEEL - RH | C166 | SPACER | ø27xø15x12 | No Colour | 1 |
| 9 | MPT-0143 | 1081400080908 | WHEEL SPINDLE - REAR | C173 | SPINDLE | ø28xø15x51.5 | No Colour | 1 |
| 9-1 | MPT-0125 | 1080100142000 | NUT - WHEEL SPINDLE | C118 | NUT | | No Colour | 1 |
| 10 | MPT-1437 | 1070200141000 | CHAIN - 428HO-124L | C036 | CHAIN | | No Colour | 1 |
| 11 | MPT-0162 | 1090100999000 | RIM TAPE | C141 | RIM TAPE | | No Colour | 1 |
| 12 | MPT-0375 | 1260100510000 | WHEEL NUT RUBBER COVER - M17 | C145 | RUBBER COVER | M17 | No Colour | 1 |
| 13 | MPT-0376 | 1260100520000 | WHEEL NUT RUBBER COVER - M19 | C145 | RUBBER COVER | M19 | No Colour | 1 |
| 14 | MPT-0848 | 7012808225167 | NUT - HEX FLAT HEAD STEP BOLT - M8x25 - DISC | C183 | STEP BOLT | M8x25 | No Colour | 4 |

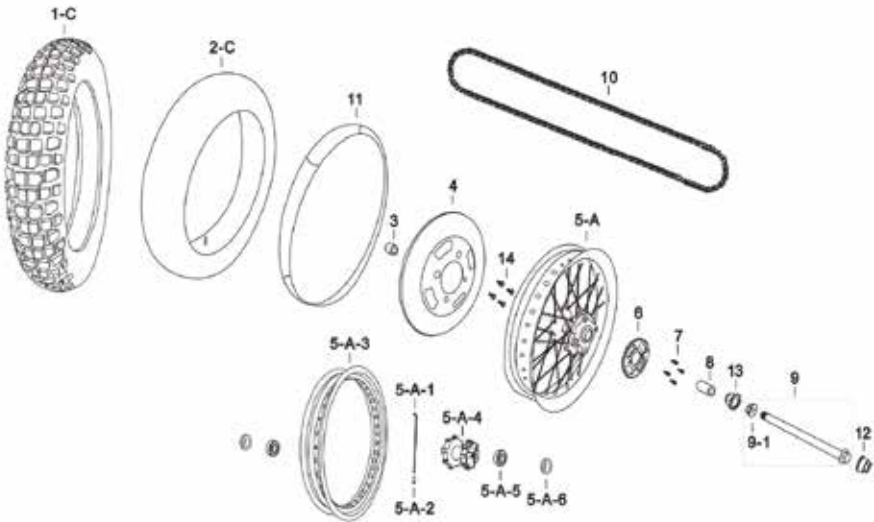


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| ENGINE | 125 | APPROVAL | EU5 | VERSION | 03 |
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| DIAGRAM REF. | GROUP REF. | GROUP |
| F13C | F13 | WHEELS - REAR |



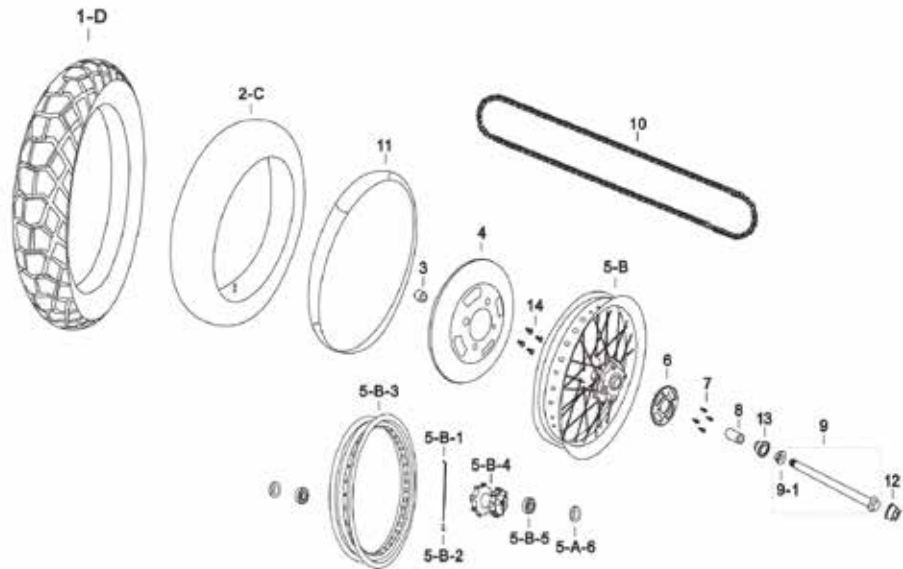
| ITEM NO. | MUTT PART NO. | BARCODE REF. | PART DESCRIPTION | CAT CODE | CATEGORY | SIZE | COLOUR | QTY. |
|----------|---------------|---------------|--|----------|------------------|-------------------|-----------|------|
| 1-C | MPT-0153 | 1090100215000 | TYRE - 120/90×18 65P | C202 | TYRE | 120/90×18 | No Colour | 1 |
| 2-C | MPT-0154 | 1090100216000 | INNER TUBE - 120/90×18 | C103 | INNER TUBE | 120/90×18 | No Colour | 1 |
| 3 | MPT-0144 | 1081400090908 | SPACER - REAR WHEEL - LH | C166 | SPACER | ø28×ø15×41 | No Colour | 1 |
| 4 | MPT-0264 | 1141400040000 | BRAKE DISC - REAR | C062 | DISC | | No Colour | 1 |
| 5-A | MPT-0133 | 1081400026710 | WHEEL - REAR - ALL BLACK - STAINLESS SPOKES | C207 | WHEEL | 2.5×18 INCH | Black | 1 |
| 5-A | MPT-0134 | 1081400028100 | WHEEL - REAR - ALL CHROME - STAINLESS SPOKES | C207 | WHEEL | 2.5×18 INCH | Chrome | 1 |
| 5-A-1 | MPT-0449 | 1551400002410 | SPOKE - REAR WHEEL - STAINLESS - BLACK | C175 | SPOKES | 3.5×207mm | Black | 36 |
| 5-A-1 | MPT-0448 | 1551400001410 | SPOKE - REAR WHEEL - STAINLESS - CHROME | C175 | SPOKES | 3.5×207mm | Chrome | 36 |
| 5-A-2 | MPT-0455 | 1551400009210 | SPOKE CAP - FRONT WHEEL - BLACK | C174 | SPOKE CAP | | Black | 36 |
| 5-A-2 | MPT-0454 | 1551400009200 | SPOKE CAP - FRONT WHEEL - CHROME | C174 | SPOKE CAP | | Chrome | 36 |
| 5-A-3 | MPT-0006 | 1020210090000 | WHEEL - RIM - FRONT AND REAR - 2.5×18 - BLACK | C140 | RIM | 2.5×18 | Black | 1 |
| 5-A-3 | MPT-0007 | 1020210092000 | WHEEL - RIM - FRONT AND REAR - 2.5×18 - CHROME | C140 | RIM | 2.5×18 | Chrome | 1 |
| 5-A-4 | MPT-0453 | 1551400008000 | HUB - REAR - BLACK | C100 | HUB | | Black | 1 |
| 5-A-5 | MPT-0127 | 1080500021000 | WHEEL BEARING - REAR | C011 | BEARING | ø15mm×ø42mm×W13mm | No Colour | 2 |
| 5-A-6 | MPT-1356 | 1551400008300 | WHEEL BEARING SEAL - REAR - LH/RH | C153 | SEAL | ø28×ø42×7 | No Colour | |
| 6 | MPT-0121 | 1070100024000 | SPROCKET - REAR - 42T | C177 | SPROCKET | 42T | No Colour | 1 |
| 7 | MPT-0932 | 7112210030268 | BOLT WITH WASHER - M10×30×1.25 - SPROCKET REAR | C013 | BOLT WITH WASHER | M10×30×1.25 | No Colour | 4 |
| 8 | MPT-1407 | 1081400100908 | SPACER - REAR WHEEL - RH | C166 | SPACER | ø27×ø15×12 | No Colour | 1 |
| 9 | MPT-0143 | 1081400080908 | WHEEL SPINDLE - REAR | C173 | SPINDLE | ø28×ø15×51.5 | No Colour | 1 |
| 9-1 | MPT-0125 | 1080100142000 | NUT - WHEEL SPINDLE | C118 | NUT | | No Colour | 1 |
| 10 | MPT-1437 | 1070200141000 | CHAIN - 428HO-124L | C036 | CHAIN | | No Colour | 1 |
| 11 | MPT-0162 | 1090100999000 | RIM TAPE | C141 | RIM TAPE | | No Colour | 1 |
| 12 | MPT-0375 | 1260100510000 | WHEEL NUT RUBBER COVER - M17 | C145 | RUBBER COVER | M17 | No Colour | 1 |
| 13 | MPT-0376 | 1260100520000 | WHEEL NUT RUBBER COVER - M19 | C145 | RUBBER COVER | M19 | No Colour | 1 |
| 14 | MPT-0848 | 7012808225167 | NUT - HEX FLAT HEAD STEP BOLT - M8×25 - DISC | C183 | STEP BOLT | M8×25 | No Colour | 4 |

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| ENGINE | 125 | APPROVAL | EU5 | VERSION | 03 |
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| DIAGRAM REF. | GROUP REF. | GROUP |
| F13D | F13 | WHEELS - REAR |



| ITEM NO. | MUTT PART NO. | BARCODE REF. | PART DESCRIPTION | CAT CODE | CATEGORY | SIZE | COLOUR | QTY. |
|----------|---------------|---------------|--|----------|------------------|-------------------|-----------|------|
| 1-D | MPT-0155 | 1090100217000 | TYRE - 130/80x18 823 | C202 | TYRE | 130/80x18 | No Colour | 1 |
| 2-D | MPT-0156 | 1090100218000 | INNER TUBE - 130/80x18 | C103 | INNER TUBE | 130/80x18 | No Colour | 1 |
| 3 | MPT-0144 | 1081400090908 | SPACER - REAR WHEEL - LH | C166 | SPACER | ø28xø15x41 | No Colour | 1 |
| 4 | MPT-0264 | 1141400040000 | BRAKE DISC - REAR | C062 | DISC | | No Colour | 1 |
| 5-A | MPT-0134 | 1081400028100 | WHEEL - REAR - ALL CHROME - STAINLESS SPOKES | C207 | WHEEL | 2.5x18 INCH | Chrome | 1 |
| 5-A-1 | MPT-0448 | 1551400001410 | SPOKE - REAR WHEEL - STAINLESS - CHROME | C175 | SPOKES | 3.5x207mm | Chrome | 36 |
| 5-A-2 | MPT-0454 | 1551400009200 | SPOKE CAP - FRONT WHEEL - CHROME | C174 | SPOKE CAP | | Chrome | 36 |
| 5-A-3 | MPT-0007 | 1020210092000 | WHEEL - RIM - FRONT AND REAR - 2.5x18 - CHROME | C140 | RIM | 2.5x18 | Chrome | 1 |
| 5-A-4 | MPT-0453 | 1551400008000 | HUB - REAR - BLACK | C100 | HUB | | Black | 1 |
| 5-A-5 | MPT-0127 | 1080500021000 | WHEEL BEARING - REAR | C011 | BEARING | ø15mmxø42mmxW13mm | No Colour | 2 |
| 5-A-6 | MPT-1172 | 1551400008500 | WHEEL BEARING SEAL - REAR - RH | C153 | SEAL | ø27xø47x7 | No Colour | 1 |
| 5-A-7 | MPT-1173 | 1551400008600 | WHEEL BEARING SEAL - REAR - LH | C153 | SEAL | ø28xø42x7 | No Colour | 1 |
| 6 | MPT-0121 | 1070100024000 | SPROCKET - REAR - 42T | C177 | SPROCKET | 42T | No Colour | 1 |
| 7 | MPT-0932 | 7112210030268 | BOLT WITH WASHER - M10x30x1.25 - SPROCKET REAR | C013 | BOLT WITH WASHER | M10x30x1.25 | No Colour | 4 |
| 8 | MPT-1407 | 1081400100908 | SPACER - REAR WHEEL - RH | C166 | SPACER | ø27xø15x12 | No Colour | 1 |
| 9 | MPT-0143 | 1081400080908 | WHEEL SPINDLE - REAR | C173 | SPINDLE | ø28xø15x51.5 | No Colour | 1 |
| 9-1 | MPT-0125 | 1080100142000 | NUT - WHEEL SPINDLE | C118 | NUT | | No Colour | 1 |
| 10 | MPT-1437 | 1070200141000 | CHAIN - 428HO-124L | C036 | CHAIN | | No Colour | 1 |
| 11 | MPT-0162 | 1090100999000 | RIM TAPE | C141 | RIM TAPE | | No Colour | 1 |
| 12 | MPT-0375 | 1260100510000 | WHEEL NUT RUBBER COVER - M17 | C145 | RUBBER COVER | M17 | No Colour | 1 |
| 13 | MPT-0376 | 1260100520000 | WHEEL NUT RUBBER COVER - M19 | C145 | RUBBER COVER | M19 | No Colour | 1 |
| 14 | MPT-0848 | 7012808225167 | NUT - HEX FLAT HEAD STEP BOLT - M8x25 - DISC | C183 | STEP BOLT | M8x25 | No Colour | 4 |
| 12 | MPT-0375 | 1260100510000 | WHEEL NUT RUBBER COVER - M17 | C145 | RUBBER COVER | M17 | No Colour | 1 |
| 13 | MPT-0376 | 1260100520000 | WHEEL NUT RUBBER COVER - M19 | C145 | RUBBER COVER | M19 | No Colour | 1 |
| 14 | MPT-0848 | 7012808225167 | NUT - HEX FLAT HEAD STEP BOLT - M8x25 - DISC | C183 | STEP BOLT | M8x25 | No Colour | 4 |

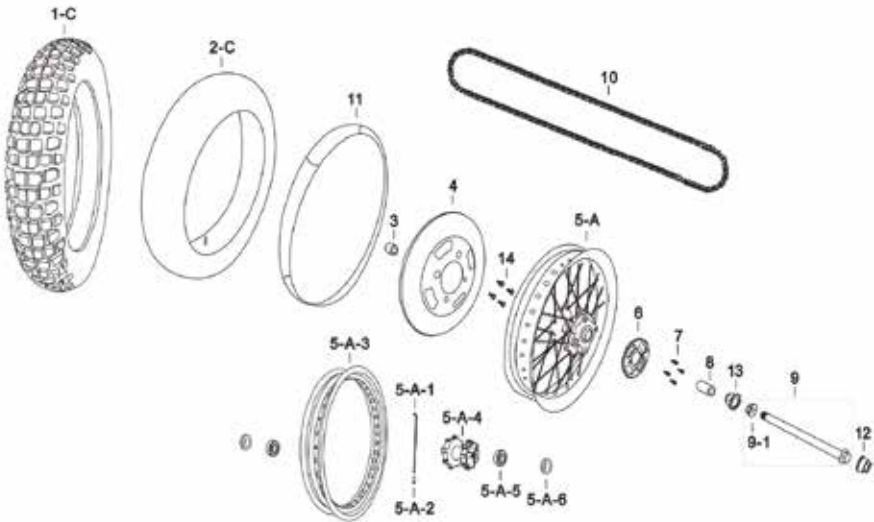
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| ENGINE | 125 | APPROVAL | EU5 | VERSION | 03 |
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| DIAGRAM REF. | GROUP REF. | GROUP |
| F13E | F13 | WHEELS - REAR |

| ITEM NO. | MUTT PART NO. | BARCODE REF. | PART DESCRIPTION | CAT CODE | CATEGORY | SIZE | COLOUR | QTY. |
|----------|---------------|---------------|---|----------|------------------|-------------------|-----------|------|
| 1-C | MPT-0153 | 1090100215000 | TYRE - 120/90×18 65P | C202 | TYRE | 120/90×18 | No Colour | 1 |
| 2-C | MPT-0154 | 1090100216000 | INNER TUBE - 120/90×18 | C103 | INNER TUBE | 120/90×18 | No Colour | 1 |
| 3 | MPT-0144 | 1081400090908 | SPACER - REAR WHEEL - LH | C166 | SPACER | ø28×ø15×41 | No Colour | 1 |
| 4 | MPT-0264 | 1141400040000 | BRAKE DISC - REAR | C062 | DISC | | No Colour | 1 |
| 5-B | MPT-0135 | 1081400029100 | WHEEL - REAR - ALL BLACK - STAINLESS SPOKES - ALUMINIUM RIM | C207 | WHEEL | 2.5×18 INCH | Black | 1 |
| 5-B-1 | MPT-0448 | 1551400001410 | SPOKE - REAR WHEEL - STAINLESS - CHROME | C175 | SPOKES | 3.5×207mm | Chrome | 36 |
| 5-B-2 | MPT-0454 | 1551400009200 | SPOKE CAP - FRONT WHEEL - CHROME | C174 | SPOKE CAP | | Chrome | 36 |
| 5-B-3 | MPT-0008 | 1020210093000 | WHEEL - RIM - ALUMINIUM - FRONT AND REAR - 2.5×18 - BLACK | C140 | RIM | 2.5×18 | Black | 1 |
| 5-B-4 | MPT-0453 | 1551400008000 | HUB - REAR - BLACK | C100 | HUB | | Black | 1 |
| 5-B-5 | MPT-0127 | 1080500021000 | WHEEL BEARING - REAR | C011 | BEARING | ø15mm×ø42mm×W13mm | No Colour | 2 |
| 5-B-6 | MPT-1172 | 1551400008500 | WHEEL BEARING SEAL - REAR - RH | C153 | SEAL | ø27×ø47×7 | No Colour | 1 |
| 5-B-7 | MPT-1173 | 1551400008600 | WHEEL BEARING SEAL - REAR - LH | C153 | SEAL | ø28×ø42×7 | No Colour | 1 |
| 6 | MPT-0121 | 1070100024000 | SPROCKET - REAR - 42T | C177 | SPROCKET | 42T | No Colour | 1 |
| 7 | MPT-0932 | 7112210030268 | BOLT WITH WASHER - M10×30×1.25 - SPROCKET REAR | C013 | BOLT WITH WASHER | M10×30×1.25 | No Colour | 4 |
| 8 | MPT-1407 | 1081400100908 | SPACER - REAR WHEEL - RH | C166 | SPACER | ø27×ø15×12 | No Colour | 1 |
| 9 | MPT-0143 | 1081400080908 | WHEEL SPINDLE - REAR | C173 | SPINDLE | ø28×ø15×51.5 | No Colour | 1 |
| 9-1 | MPT-0125 | 1080100142000 | NUT - WHEEL SPINDLE | C118 | NUT | | No Colour | 1 |
| 10 | MPT-1437 | 1070200141000 | CHAIN - 428HO-124L | C036 | CHAIN | | No Colour | 1 |
| 11 | MPT-0162 | 1090100999000 | RIM TAPE | C141 | RIM TAPE | | No Colour | 1 |
| 12 | MPT-0375 | 1260100510000 | WHEEL NUT RUBBER COVER - M17 | C145 | RUBBER COVER | M17 | No Colour | 1 |
| 13 | MPT-0376 | 1260100520000 | WHEEL NUT RUBBER COVER - M19 | C145 | RUBBER COVER | M19 | No Colour | 1 |
| 14 | MPT-0848 | 7012808225167 | NUT - HEX FLAT HEAD STEP BOLT - M8×25 - DISC | C183 | STEP BOLT | M8×25 | No Colour | 4 |



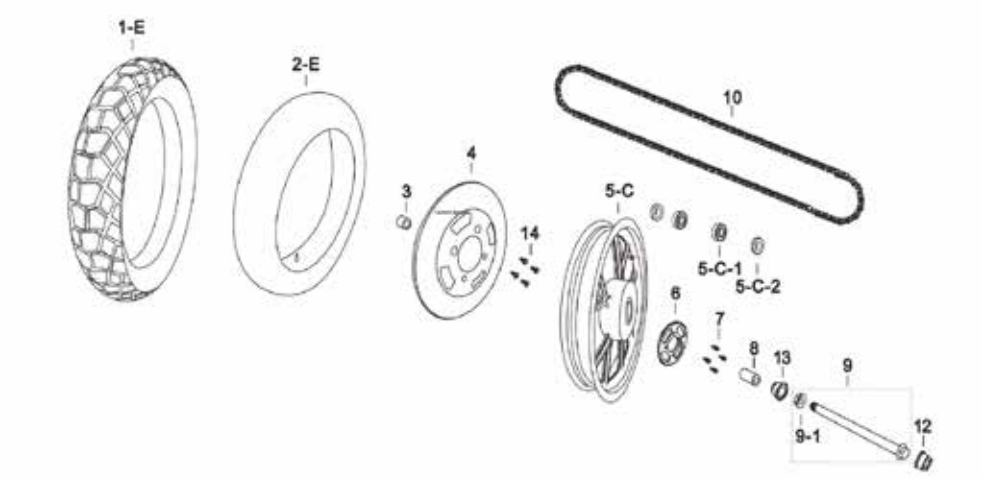
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| ENGINE | 125 | APPROVAL | EU5 | VERSION | 03 |
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| DIAGRAM REF. | GROUP REF. | GROUP |
| F13F | F13 | WHEELS - REAR |

| ITEM NO. | MUTT PART NO. | BARCODE REF. | PART DESCRIPTION | CAT CODE | CATEGORY | SIZE | COLOUR | QTY. |
|----------|---------------|---------------|--|----------|------------------|-------------------|-----------|------|
| 1-E | MPT-0160 | 1090100272000 | TYRE - 130/70×17 - REAR | C202 | TYRE | 130/70×17 | No Colour | 1 |
| 2-E | MPT-0158 | 1090100260000 | INNER TUBE - 130/70×17 | C103 | INNER TUBE | 130/70×17 | No Colour | 1 |
| 3 | MPT-1439 | 1081400090919 | SPACER - REAR WHEEL - LH | C166 | SPACER | ø35×ø15×ø40 | No Colour | 1 |
| 4 | MPT-0264 | 1141400040000 | BRAKE DISC - REAR | C062 | DISC | | No Colour | 1 |
| 5-C | MPT-1440 | 1081400022110 | WHEEL - REAR - MAG - BLACK - MT17×3.0 | C207 | WHEEL | 3.0×17 INCH | Black | 1 |
| 5-C-1 | MPT-0127 | 1080500021000 | WHEEL BEARING - REAR | C011 | BEARING | ø15mm×ø42mm×W13mm | No Colour | 2 |
| 5-C-2 | MPT-1356 | 1551400008300 | WHEEL BEARING SEAL - REAR - LH/RH | C153 | SEAL | ø28×ø42×7 | No Colour | |
| 6 | MPT-0121 | 1070100024000 | SPROCKET - REAR - 42T | C177 | SPROCKET | 42T | No Colour | 1 |
| 7 | MPT-0932 | 7112210030268 | BOLT WITH WASHER - M10×30×1.25 - SPROCKET REAR | C013 | BOLT WITH WASHER | M10×30×1.25 | No Colour | 4 |
| 8 | MPT-0146 | 1081400100909 | SPACER - REAR WHEEL - RH | C166 | SPACER | ø27×ø15×13 | No Colour | 1 |
| 9 | MPT-0143 | 1081400080908 | WHEEL SPINDLE - REAR | C173 | SPINDLE | ø28×ø15×51.5 | No Colour | 1 |
| 9-1 | MPT-0125 | 1080100142000 | NUT - WHEEL SPINDLE | C118 | NUT | | No Colour | 1 |
| 10 | MPT-1437 | 1070200141000 | CHAIN - 428HO-124L | C036 | CHAIN | | No Colour | 1 |
| 12 | MPT-0375 | 1260100510000 | WHEEL NUT RUBBER COVER - M17 | C145 | RUBBER COVER | M17 | No Colour | 1 |
| 13 | MPT-0376 | 1260100520000 | WHEEL NUT RUBBER COVER - M19 | C145 | RUBBER COVER | M19 | No Colour | 1 |
| 14 | MPT-0848 | 7012808225167 | NUT - HEX FLAT HEAD STEP BOLT - M8×25 - DISC | C183 | STEP BOLT | M8×25 | No Colour | 4 |
| 14 | MPT-0848 | 7012808225167 | NUT - HEX FLAT HEAD STEP BOLT - M8×25 - DISC | C183 | STEP BOLT | M8×25 | No Colour | 4 |

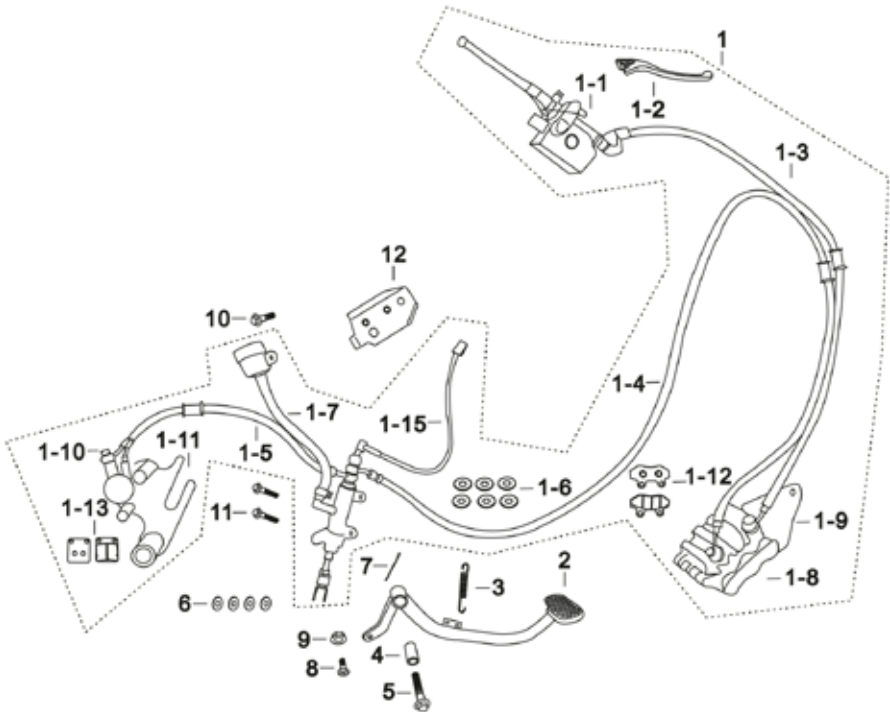


125EU503-F14A



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| ENGINE | 125 | APPROVAL | EU5 | VERSION | 03 |
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| DIAGRAM REF. | GROUP REF. | GROUP | | | |
| F14A | F14 | BRAKES | | | |

| ITEM NO. | MUTT PART NO. | BARCODE REF. | PART DESCRIPTION | CAT CODE | CATEGORY | SIZE | COLOUR | QTY. |
|----------|---------------|---------------|---|----------|--------------------------|-------------|-------------------|------|
| 1 | MPT-1408 | 1141400147000 | BRAKE ASSEMBLY - CBS | C019 | BRAKES | | No Colour | 1 |
| 1-1 | MPT-0250 | 1141400015000 | MASTER CYLINDER ASSEMBLY - FRONT - ø12.7MM | C113 | MASTER CYLINDER ASSEMBLY | ø12.7mm | No Colour | 1 |
| 1-2 | MPT-0253 | 1141400016700 | BRAKE LEVER - FRONT BRAKE | C109 | LEVER | | No Colour | 1 |
| 1-2 | MPT-1431 | 1141400015010 | BRAKE LEVER - FRONT BRAKE - CNC | C109 | LEVER | | No Colour | 1 |
| 1-3 | MPT-0247 | 1141005900000 | BRAKE HOSE - A - 760MM | C016 | BRAKE HOSE | 760mm | No Colour | 1 |
| 1-4 | MPT-0248 | 1141005910000 | BRAKE HOSE - B - 1460MM | C016 | BRAKE HOSE | 1460mm | No Colour | 1 |
| 1-5 | MPT-1409 | 1141005921000 | BRAKE HOSE - C - 335MM | C016 | BRAKE HOSE | 335mm | No Colour | 1 |
| 1-6 | MPT-0467 | 1611000122000 | BRAKE LINE COPPER WASHER | C206 | WASHER | | No Colour | 6 |
| 1-7 | MPT-0271 | 1141400057100 | MASTER CYLINDER CUP - WITH HOSE | C120 | OIL CUP | | No Colour | 1 |
| 1-8 | MPT-0465 | 1610400151000 | BRAKE CALIPER - FRONT - WITH BRACKET | C030 | CALIPER | | No Colour | 1 |
| 1-9 | MPT-0265 | 1141400041100 | BRACKET - BRAKE CALIPER - FRONT | C015 | BRACKET | | No Colour | 1 |
| 1-10 | MPT-0260 | 1141400038200 | BRAKE CALIPER - REAR - WITH BRACKET | C030 | CALIPER | | No Colour | 1 |
| 1-11 | MPT-0259 | 1141400038100 | BRACKET - BRAKE CALIPER - REAR | C015 | BRACKET | | No Colour | 1 |
| 1-12 | MPT-0468 | 1614000012000 | BRAKE PADS - FRONT - PAIR | C017 | BRAKE PADS | | No Colour | 1 |
| 1-13 | MPT-1184 | 1614000020000 | BRAKE PADS - FRONT/REAR - PAIR | C017 | BRAKE PADS | | No Colour | 2 |
| 1-14 | MPT-0258 | 1141400037100 | MASTER CYLINDER - REAR - ø15.87MM | C112 | MASTER CYLINDER | ø15.87mm | No Colour | 1 |
| 1-15 | MPT-1183 | 1610400261000 | SWITCH ASSEMBLY - BRAKE - REAR | C190 | SWITCH ASSEMBLY | | No Colour | 1 |
| 2 | MPT-0088 | 1041400440003 | BRAKE PEDAL - REAR | C018 | BRAKE PEDAL | | Black | 1 |
| 3 | MPT-1247 | 1291400031000 | BRAKE PEDAL SPRING | C176 | SPRING | ø2×ø14×80 - | No Colour | 1 |
| 4 | MPT-0028 | 1040300061000 | BRAKE PEDAL SPACER/BUSH | C167 | SPACER/BUSH | 31mm | No Colour | 1 |
| 5 | MPT-0852 | 7012810055268 | HEX EYEBOLT - FLANGED - M10×55×1.25 - BRAKE PEDAL | C012 | BOLT | M10×55×1.25 | No Colour | 1 |
| 6 | MPT-0920 | 7050310202038 | WASHER - 10×20×2 - FRONT CALIPER | C206 | WASHER | 10×20×2 | No Colour | 4 |
| 7 | MPT-0913 | 7040020016008 | COTTER PIN - 2×16 | C051 | COTTER PIN | 2×16 | No Colour | 1 |
| 8 | MPT-0806 | 7011006020168 | CROSS RECESSED HEX BOLT - M6×12 | C012 | BOLT | M6×12 | No Colour | 1 |
| 9 | MPT-0905 | 7032606000248 | HEX NUT - FLANGED - M6 | C118 | NUT | M6 | No Colour | 1 |
| 10 | MPT-0856 | 7013006016179 | HEX BOLT - FLANGED - M6×16 | C012 | BOLT | M6×16 | No Colour | 1 |
| 11 | MPT-0861 | 7013006030268 | HEX BOLT - FLANGED - M6×30 | C012 | BOLT | M6×30 | No Colour | 2 |
| 12 | MPT-0054 | 1041000085000 | MASTER CYLINDER HEAL GUARD - REAR - BLACK | C115 | MASTER CYLINDER REAR | | Black | 1 |
| 12 | MPT-0052 | 1041000084000 | MASTER CYLINDER HEAL GUARD - REAR - BRUSHED | C114 | MASTER CYLINDER COVER | | Brushed Aluminium | 1 |

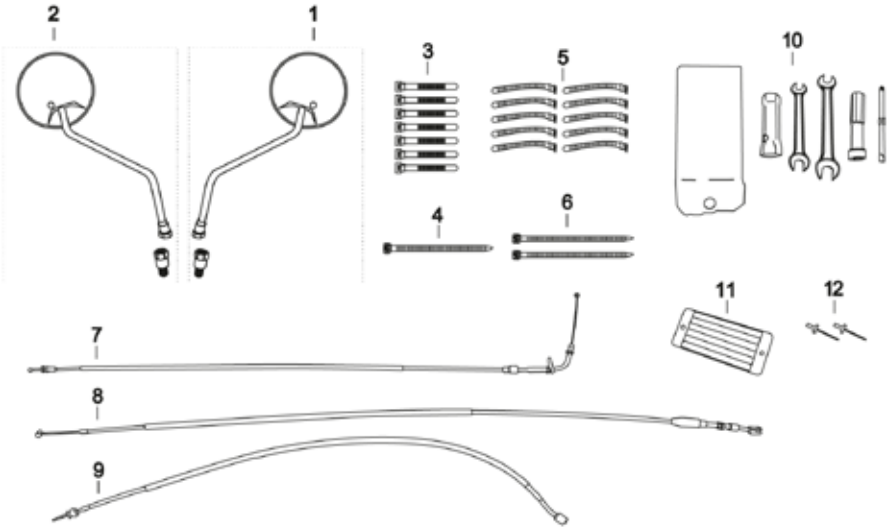


125EU503-F15A

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| ENGINE | 125 | APPROVAL | EU5 | VERSION | 03 |
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| DIAGRAM REF. | GROUP REF. | GROUP |
| F15A | F15 | CABLES, MIRRORS, TOOLS & MISC |

| ITEM NO. | MUTT PART NO. | BARCODE REF. | PART DESCRIPTION | CAT CODE | CATEGORY | SIZE | COLOUR | QTY. |
|----------|---------------|---------------|---|----------|--------------|---------------|-----------|------|
| 1 | MPT-0318 | 1201000051200 | MIRROR - SINGLE - WITH SWIVEL ADAPTERS - BLACK - LH | C116 | MIRROR | | Black | 1 |
| 1 | MPT-0316 | 1201000011200 | MIRROR - SINGLE - WITH SWIVEL ADAPTER - CHROME - LH | C116 | MIRROR | | Chrome | 1 |
| 2 | MPT-0319 | 1201000061200 | MIRROR - SINGLE - WITH SWIVEL ADAPTERS - BLACK - RH | C116 | MIRROR | | Black | 1 |
| 2 | MPT-0317 | 1201000021200 | MIRROR - SINGLE - WITH SWIVEL ADAPTER - CHROME - RH | C116 | MIRROR | | Chrome | 1 |
| 3 | MPT-0403 | 1260300901000 | CABLE TIES - ZD135×8 | C029 | CABLE TIES | ZD135×8 | No Colour | 7 |
| 4 | MPT-0429 | 1263200902000 | CABLE TIES - ZD175×8 | C029 | CABLE TIES | ZD175×8 | No Colour | 1 |
| 5 | MPT-0404 | 1260300903100 | CABLE TIES - 300×4.8 | C029 | CABLE TIES | 300×4.8 | No Colour | 10 |
| 6 | MPT-0405 | 1260300903200 | CABLE TIES - 200×4.8 | C029 | CABLE TIES | 200×4.8 | No Colour | 2 |
| 7 | MPT-0434 | 1281400012000 | THROTTLE CABLE | C026 | CABLE | 800mm | No Colour | 1 |
| 8 | MPT-0433 | 1281200021000 | CLUTCH CABLE | C047 | CLUTCH CABLE | 1060mm | No Colour | 1 |
| 8 | MPT-1410 | 1281200022000 | CLUTCH CABLE | C047 | CLUTCH CABLE | L=980 A+B=120 | No Colour | 1 |
| 9 | MPT-0432 | 1281000041000 | SPEEDOMETER CABLE | C026 | CABLE | 780mm | No Colour | 1 |
| 10 | MPT-0033 | 1040300370000 | TOOL KIT | C200 | TOOL KIT | | No Colour | 1 |
| 11 | MPT-0430 | 1270203010011 | VIN PLATE - EURO 4 | C205 | VIN PLATE | | No Colour | 1 |
| 11 | MPT-0431 | 1270203012000 | VIN PLATE - NORMAL | C205 | VIN PLATE | | No Colour | 1 |
| 12 | MPT-0926 | 7082803010002 | RIVETS - 3×10 | C143 | RIVET | 3×10 | No Colour | 2 |

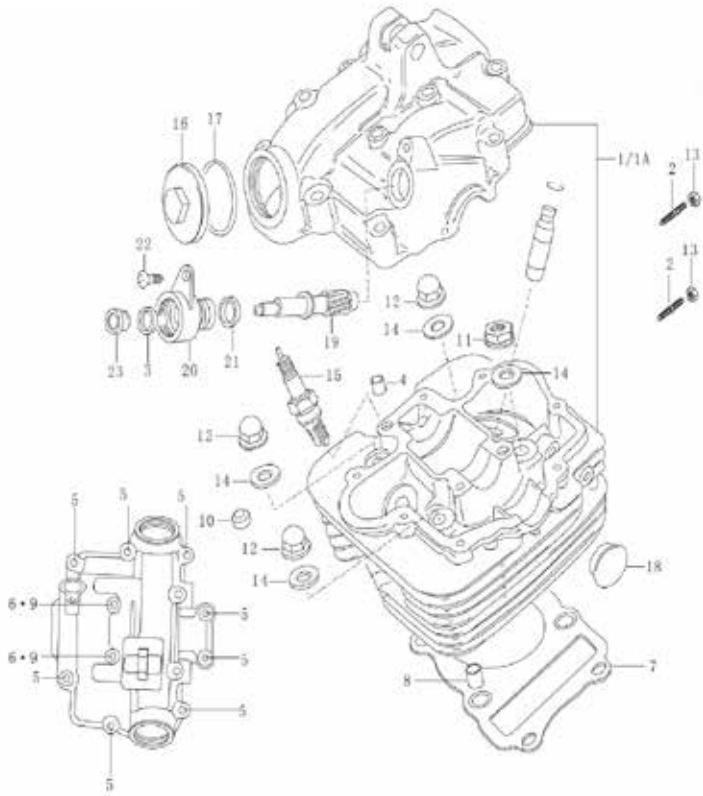


125EU503-E01A



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| ENGINE | 125 | APPROVAL | EU5 | VERSION | 03 |
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| DIAGRAM REF. | GROUP REF. | GROUP |
| E01A | E01 | CYLINDER HEAD |

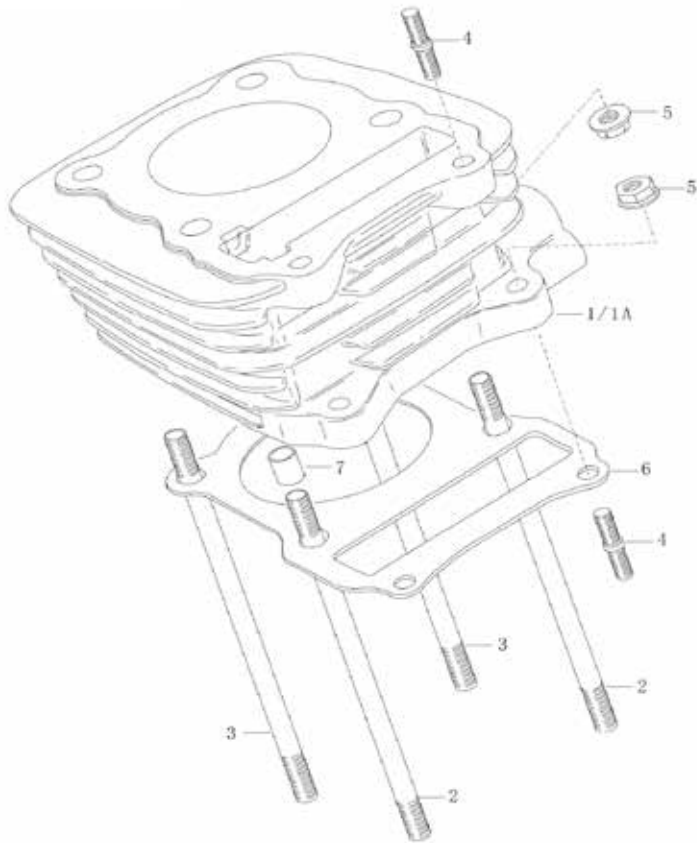


| ITEM NO. | MUTT PART NO. | BARCODE REF. | PART DESCRIPTION | CAT CODE | CATEGORY | SIZE | COLOUR | QTY. |
|----------|---------------|---------------|--------------------------|----------|------------------------|----------|-----------|------|
| 1 | MPT-0511 | 6260020011005 | CYLINDER HEAD ASSEMBLY | C060 | CYLINDER HEAD ASSEMBLY | | Black | 1 |
| 2 | MPT-0664 | 6260050332000 | STUD BOLT | C012 | BOLT | | No Colour | 2 |
| 3 | MPT-0940 | 7161098250031 | RUBBER WASHER | C206 | WASHER | | No Colour | 1 |
| 4 | MPT-0790 | 6301063100000 | PIN - 8x11 | C126 | PIN | 8x11 | No Colour | 2 |
| 5 | MPT-0814 | 7012406035166 | BOLT - M6x35 | C012 | BOLT | M6x35 | No Colour | 8 |
| 6 | MPT-0816 | 7012406060165 | BOLT - M6x60 | C012 | BOLT | M6x60 | No Colour | 2 |
| 7 | MPT-0760 | 6261020011000 | CYLINDER HEAD GASKET | C088 | GASKET | | No Colour | 1 |
| 8 | MPT-0005 | 6301063000000 | PIN - 11x16 | C126 | PIN | 11x16 | No Colour | 2 |
| 9 | MPT-0484 | 6212003050002 | WASHER | C206 | WASHER | | No Colour | 2 |
| 10 | MPT-0528 | 6260020171000 | RUBBER PAD | C148 | RUBBER PAD | | No Colour | 6 |
| 11 | MPT-0951 | 7523708000114 | NUT - M8 - CYLINDER HEAD | C118 | NUT | M8 | No Colour | 1 |
| 12 | MPT-0950 | 7523708000104 | CAP NUT - M8 | C118 | NUT | M8 | No Colour | 3 |
| 13 | MPT-0903 | 7032606000147 | NUT - M6 | C118 | NUT | M6 | No Colour | 2 |
| 14 | MPT-0482 | 6212003050000 | GASKET | C088 | GASKET | | No Colour | 4 |
| 15 | MPT-0513 | 6260020032000 | SPARK PLUG - NGK (CR8EA) | C168 | SPARK PLUG | | No Colour | 1 |
| 16 | MPT-0504 | 6260010110000 | INSPECTION HOLE CAP | C104 | INSPECTION HOLE CAP | | No Colour | 2 |
| 17 | MPT-0735 | 6260120227000 | O-RING - 3.0x29.5 | C119 | O-RING | 3.0x29.5 | No Colour | 2 |
| 18 | MPT-0501 | 6260010080000 | PLUG - CYLINDER HEAD | C130 | PLUG | | No Colour | 1 |
| 19 | MPT-0706 | 6260090010000 | TACHOMETER - DRIVEN GEAR | C192 | TACHOMETER | | No Colour | 1 |
| 20 | MPT-0759 | 6260500010000 | CONNECTING SLEEVE | C165 | SLEEVE | | No Colour | 1 |
| 21 | MPT-0550 | 6260020440000 | OIL SEAL | C124 | OIL SEAL | | No Colour | 1 |
| 22 | MPT-0805 | 7011005012157 | SCREW - M5x12 | C152 | SCREW | M5x12 | No Colour | 1 |
| 23 | MPT-0707 | 6260090030000 | OIL SEAL - 5x12x18 | C124 | OIL SEAL | 5x12x18 | No Colour | 1 |

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| ENGINE | 125 | APPROVAL | EU5 | VERSION | 03 |
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| DIAGRAM REF. | GROUP REF. | GROUP | | | |
| E02A | E02 | CYLINDER | | | |

| ITEM NO. | MUTT PART NO. | BARCODE REF. | PART DESCRIPTION | CAT CODE | CATEGORY | SIZE | COLOUR | QTY. |
|----------|---------------|---------------|-------------------|----------|----------------|-------|-----------|------|
| 1 | MPT-0487 | 6222020004302 | CYLINDER BLOCK | C059 | CYLINDER BLOCK | | No Colour | 1 |
| 2 | MPT-0637 | 6260050160000 | STUD BOLT - L=148 | C012 | BOLT | 148mm | No Colour | 2 |
| 3 | MPT-0640 | 6260050170000 | STUD BOLT - L=153 | C012 | BOLT | 153mm | No Colour | 2 |
| 4 | MPT-0667 | 6260050381000 | STUD BOLT - L=34 | C012 | BOLT | 34mm | No Colour | 4 |
| 5 | MPT-0904 | 7032606000245 | NUT - M6 | C118 | NUT | M6 | No Colour | 4 |
| 6 | MPT-0762 | 6261020013000 | GASKET - CYLINDER | C088 | GASKET | | No Colour | 1 |
| 7 | MPT-0792 | 6301063300000 | PIN - 11x14 | C126 | PIN | 11x14 | No Colour | 2 |



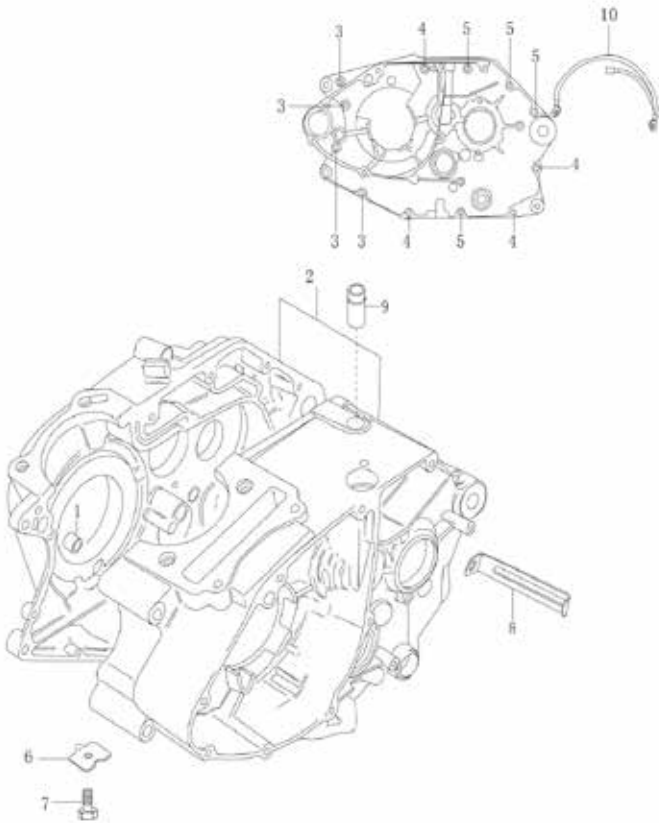
125EU503-E03A



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| ENGINE | 125 | APPROVAL | EU5 | VERSION | 03 |
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| DIAGRAM REF. | GROUP REF. | GROUP |
| E03A | E03 | CRANKCASE |

| ITEM NO. | MUTT PART NO. | BARCODE REF. | PART DESCRIPTION | CAT CODE | CATEGORY | SIZE | COLOUR | QTY. |
|----------|---------------|---------------|----------------------------|----------|---------------|-------|-----------|------|
| 1 | MPT-0793 | 6301063400000 | PIN - 13x18 | C126 | PIN | 13x18 | No Colour | 2 |
| 2 | MPT-0801 | 6401017002102 | CRANKCASE | C056 | CRANKCASE | | No Colour | 1 |
| 3 | MPT-0835 | 7012806055103 | BOLT - M6x55 | C012 | BOLT | M6x55 | No Colour | 4 |
| 4 | MPT-0867 | 7013006060168 | HEX BOLT - FLANGED - M6x60 | C012 | BOLT | M6x60 | No Colour | 4 |
| 5 | MPT-0839 | 7012806075103 | BOLT - M6x75 | C012 | BOLT | M6x75 | No Colour | 4 |
| 6 | MPT-0695 | 6260070160000 | PLATE | C129 | PLATE | | No Colour | 1 |
| 7 | MPT-0808 | 7012406010164 | BOLT - M6x12 | C012 | BOLT | M6x12 | No Colour | 1 |
| 8 | MPT-0703 | 6260070290000 | CLIP | C043 | CLIP | | No Colour | 1 |
| 9 | MPT-0797 | 6301561000000 | BREATHER HOSE | C020 | BREATHER HOSE | | No Colour | 1 |
| 10 | MPT-0653 | 6260050260000 | GROUND WIRE | C208 | WIRE | | No Colour | 1 |

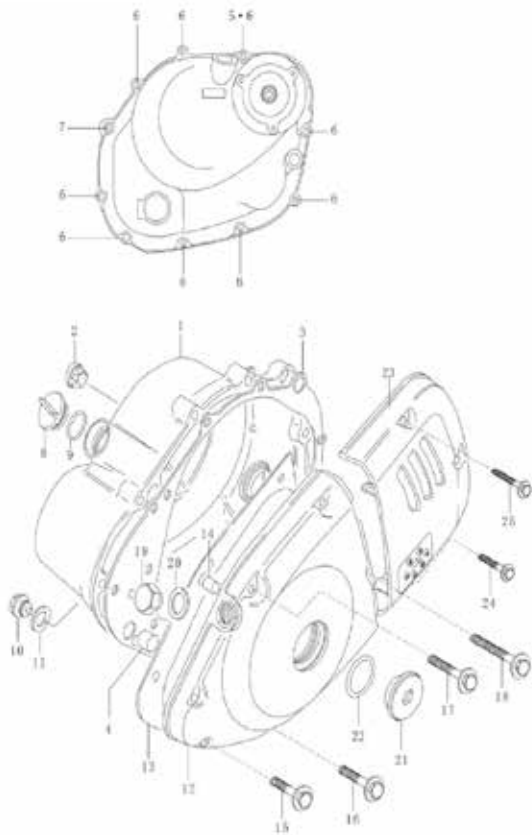


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| ENGINE | 125 | APPROVAL | EU5 | VERSION | 03 |
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| DIAGRAM REF. | GROUP REF. | GROUP |
| E04A | E04 | CRANKCASE COVER |



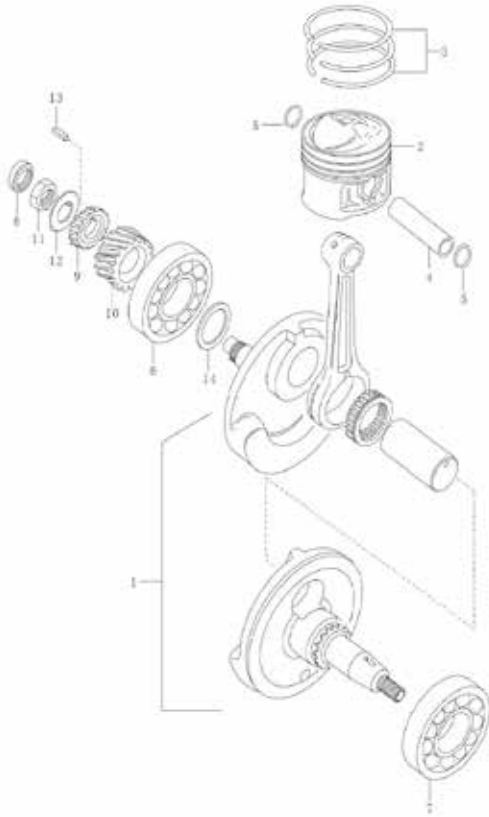
| ITEM NO. | MUTT PART NO. | BARCODE REF. | PART DESCRIPTION | CAT CODE | CATEGORY | SIZE | COLOUR | QTY. |
|----------|---------------|---------------|---------------------------|----------|----------------|----------|-----------|------|
| 1 | MPT-0773 | 6261050190001 | CLUTCH COVER | C049 | CLUTCH COVER | | No Colour | 1 |
| 2 | MPT-0654 | 6260050270000 | LENS - OIL LEVEL | C108 | LENS | | No Colour | 1 |
| 3 | MPT-0769 | 6261050020000 | GASKET - CLUTCH COVER | C088 | GASKET | | No Colour | 1 |
| 4 | MPT-0793 | 6301063400000 | PIN - 13x18 | C126 | PIN | 13x18 | No Colour | 2 |
| 5 | MPT-0483 | 6212003050001 | GASKET | C088 | GASKET | | No Colour | 1 |
| 6 | MPT-0830 | 7012806030174 | BOLT - M6x30 | C012 | BOLT | M6x30 | No Colour | 9 |
| 7 | MPT-0833 | 7012806045154 | BOLT - M6x45 | C012 | BOLT | M6x45 | No Colour | 1 |
| 8 | MPT-0490 | 6260010010000 | PLUG - OIL FILLER | C130 | PLUG | | No Colour | 1 |
| 9 | MPT-0733 | 6260120225000 | O-RING - 3.1x16.8 | C119 | O-RING | 3.1x16.8 | No Colour | 1 |
| 10 | MPT-0497 | 6260010051000 | PLUG - OIL CHECK - M14x12 | C130 | PLUG | M14x12 | No Colour | 1 |
| 11 | MPT-0685 | 6260070040000 | GASKET | C088 | GASKET | | No Colour | 1 |
| 12 | MPT-0618 | 6260050020032 | MAGNETO COVER | C054 | COVER | | No Colour | 1 |
| 13 | MPT-0679 | 6260070011000 | MAGNETO HEAD GASKET | C088 | GASKET | | No Colour | 1 |
| 14 | MPT-0791 | 6301063200000 | PIN - 9x12 | C126 | PIN | 9x12 | No Colour | 1 |
| 15 | MPT-0830 | 7012806030174 | BOLT - M6x30 | C012 | BOLT | M6x30 | No Colour | 2 |
| 16 | MPT-0831 | 7012806035104 | BOLT - M6x35 | C012 | BOLT | M6x35 | No Colour | 2 |
| 17 | MPT-0832 | 7012806040104 | BOLT - M6x40 | C012 | BOLT | M6x40 | No Colour | 2 |
| 18 | MPT-0834 | 7012806050104 | BOLT - M6x50 | C012 | BOLT | M6x50 | No Colour | 1 |
| 19 | MPT-0499 | 6260010060000 | PLUG - TDC - M12x10 | C130 | PLUG | M12x10 | No Colour | 1 |
| 20 | MPT-0691 | 6260070100000 | GASKET | C088 | GASKET | | No Colour | 1 |
| 21 | MPT-0503 | 6260010090002 | PLUG | C130 | PLUG | | No Colour | 1 |
| 22 | MPT-0494 | 6260010040000 | O-RING - 3.1x22.7 | C119 | O-RING | 3.1x22.7 | No Colour | 1 |
| 23 | MPT-0488 | 6250001004002 | SPROCKET COVER | C178 | SPROCKET COVER | | No Colour | 1 |
| 24 | MPT-0822 | 7012805025154 | BOLT - M5x25 | C012 | BOLT | M5x25 | No Colour | 1 |
| 25 | MPT-0826 | 7012805035154 | BOLT - M5x35 | C012 | BOLT | M5x35 | No Colour | 2 |

125EU503-E05A



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| ENGINE | 125 | APPROVAL | EU5 | VERSION | 03 |
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| DIAGRAM REF. | GROUP REF. | GROUP |
| E05A | E05 | CRANKSHAFT |



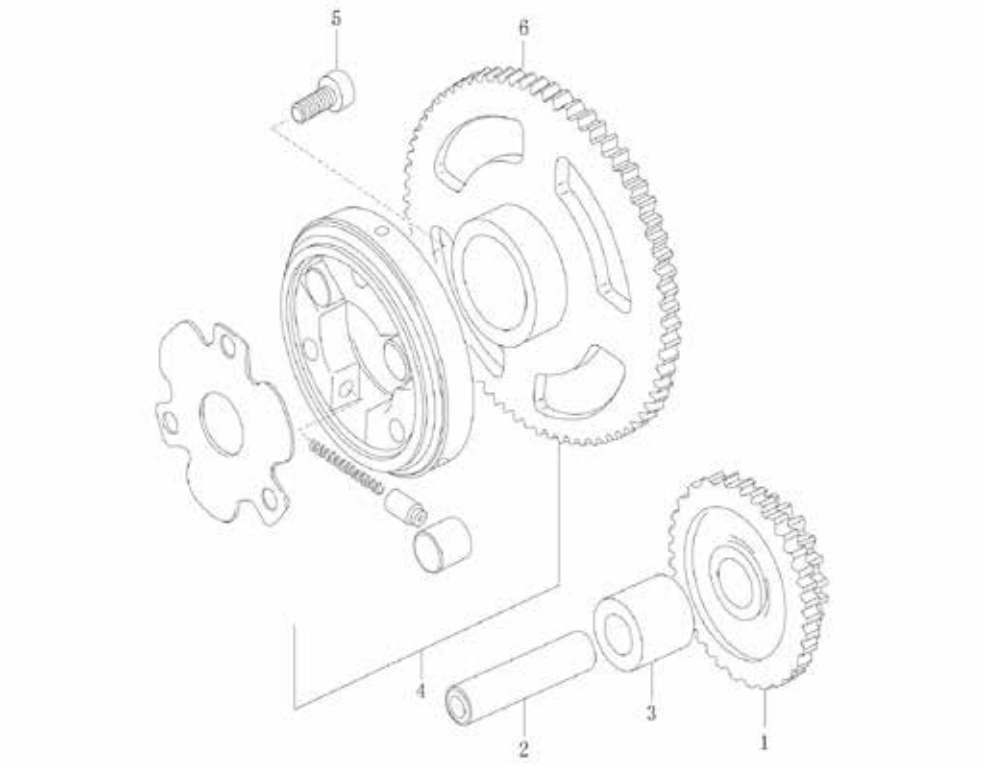
| ITEM NO. | MUTT PART NO. | BARCODE REF. | PART DESCRIPTION | CAT CODE | CATEGORY | SIZE | COLOUR | QTY. |
|----------|---------------|---------------|-------------------------|----------|---------------------|----------|-----------|------|
| 1 | MPT-0567 | 6260030010000 | CRANKSHAFT ASSEMBLY | C058 | CRANKSHAFT ASSEMBLY | | No Colour | 1 |
| 2 | MPT-0544 | 6260020281000 | PISTON | C127 | PISTON | | No Colour | 1 |
| 3 | MPT-0547 | 6260020301000 | PISTON RING SET | C142 | RING | | No Colour | 1 |
| 4 | MPT-0546 | 6260020291000 | PISTON PIN | C126 | PIN | | No Colour | 1 |
| 5 | MPT-0548 | 6260020310000 | CIRCLIP | C040 | CIRCLIP | | No Colour | 2 |
| 6 | MPT-0569 | 6260030020000 | BEARING - RH - 28×68×17 | C011 | BEARING | 28×68×17 | No Colour | 1 |
| 7 | MPT-0576 | 6260030030000 | BEARING - LH - 35×72×17 | C011 | BEARING | 35×72×17 | No Colour | 1 |
| 8 | MPT-0594 | 6260030100000 | OIL SEAL - RH - 12×21×7 | C124 | OIL SEAL | 12×21×7 | No Colour | 1 |
| 9 | MPT-0577 | 6260030050000 | OIL PUMP DRIVE GEAR | C065 | DRIVE GEAR | | No Colour | 1 |
| 10 | MPT-0592 | 6260030070000 | PRIMARY DRIVE GEAR | C065 | DRIVE GEAR | | No Colour | 1 |
| 11 | MPT-0636 | 6260050140000 | NUT - M16 | C118 | NUT | M16 | No Colour | 1 |
| 12 | MPT-0596 | 6260030120000 | LOCK WASHER | C206 | WASHER | | No Colour | 1 |
| 13 | MPT-0598 | 6260030131000 | KEY | C105 | KEY | | No Colour | 1 |
| 14 | MPT-0603 | 6260030220000 | ADJUSTING WASHER | C206 | WASHER | | No Colour | 1 |

125EU503-E06A

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| ENGINE | 125 | APPROVAL | EU5 | VERSION | 03 |
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| DIAGRAM REF. | GROUP REF. | GROUP |
| E06A | E06 | STARTER CLUTCH |

| ITEM NO. | MUTT PART NO. | BARCODE REF. | PART DESCRIPTION | CAT CODE | CATEGORY | SIZE | COLOUR | QTY. |
|----------|---------------|---------------|------------------------------|----------|---------------|-------|-----------|------|
| 1 | MPT-0780 | 6261090040000 | GEAR - STARTER IDLE | C089 | GEAR | | No Colour | 1 |
| 2 | MPT-0783 | 6261090050000 | PIN | C126 | PIN | | No Colour | 1 |
| 3 | MPT-0721 | 6260100170000 | SPACER | C166 | SPACER | | No Colour | 1 |
| 4 | MPT-0642 | 6260050190000 | CLUTCH SET STARTER | C179 | STARTER | | No Colour | 1 |
| 5 | MPT-0945 | 7512306016164 | BOLT - M6×16 | C012 | BOLT | M6×16 | No Colour | 3 |
| 6 | MPT-0665 | 6260050350000 | STARTER CLUTCH GEAR ASSEMBLY | C090 | GEAR ASSEMBLY | | No Colour | 1 |

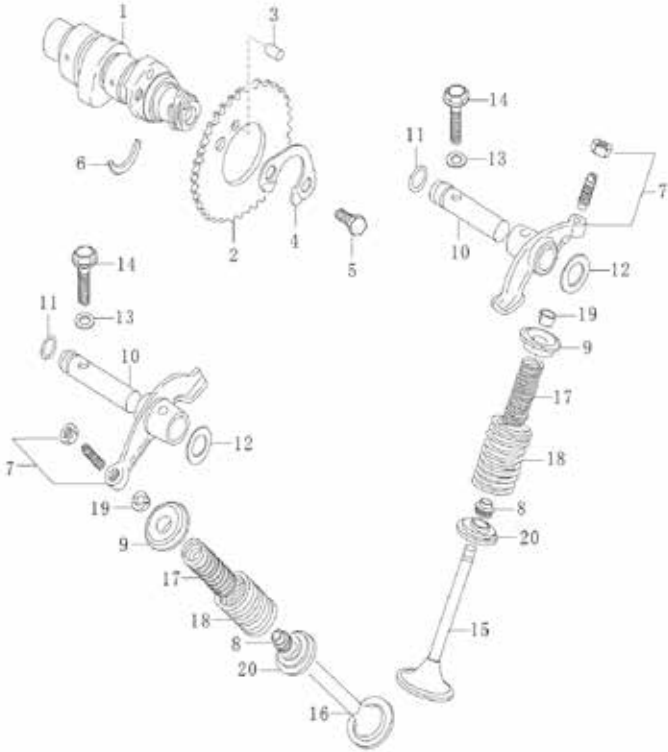


125EU503-E07A

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| ENGINE | 125 | APPROVAL | EU5 | VERSION | 03 |
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| DIAGRAM REF. | GROUP REF. | GROUP |
| E07A | E07 | CAM SHAFT VALVE |

| ITEM NO. | MUTT PART NO. | BARCODE REF. | PART DESCRIPTION | CAT CODE | CATEGORY | SIZE | COLOUR | QTY. |
|----------|---------------|---------------|-----------------------------|----------|----------|------------|-----------|------|
| 1 | MPT-0516 | 6260020060000 | CAMSHAFT | C032 | CAMSHAFT | | No Colour | 1 |
| 2 | MPT-0517 | 6260020070000 | SPROCKET | C177 | SPROCKET | | No Colour | 1 |
| 3 | MPT-0535 | 6260020222000 | PIN | C126 | PIN | | No Colour | 1 |
| 4 | MPT-0696 | 6260070170000 | WASHER | C206 | WASHER | | No Colour | 1 |
| 5 | MPT-0605 | 6260030510000 | BOLT - M6×10.5 | C012 | BOLT | M6×10.5 | No Colour | 2 |
| 6 | MPT-0644 | 6260050220000 | C-RING | C025 | C-RING | | No Colour | 1 |
| 7 | MPT-0518 | 6260020080000 | ARM - VALVE ROCKER - INTAKE | C006 | ARM | | No Colour | 2 |
| 8 | MPT-0556 | 6260020600000 | OIL SEAL - 5.5×11×8.2 | C124 | OIL SEAL | 5.5×11×8.2 | No Colour | 2 |
| 9 | MPT-0647 | 6260050241000 | RETAINER SPRING | C176 | SPRING | | No Colour | 2 |
| 10 | MPT-0521 | 6260020090000 | SHAFT - ROCKER ARM | C160 | SHAFT | | No Colour | 2 |
| 11 | MPT-0741 | 6260120236000 | O-RING - 1.9×8.7 | C119 | O-RING | 1.9×8.7 | No Colour | 2 |
| 12 | MPT-0485 | 6212003052000 | O-RING WAVE WASHER | C206 | WASHER | | No Colour | 2 |
| 13 | MPT-0484 | 6212003050002 | WASHER | C206 | WASHER | | No Colour | 2 |
| 14 | MPT-0859 | 7013006025167 | BOLT - M6×25 | C012 | BOLT | M6×25 | No Colour | 2 |
| 15 | MPT-0522 | 6260020110000 | VALVE - INTAKE | C203 | VALVE | | No Colour | 1 |
| 16 | MPT-0523 | 6260020120000 | VALVE - EXHAUST | C203 | VALVE | | No Colour | 1 |
| 17 | MPT-0645 | 6260050230000 | SPRING SET - VALVE | C176 | SPRING | | No Colour | 2 |
| 18 | MPT-0646 | 6260050240000 | SPRING - VALVE OUTER | C176 | SPRING | | No Colour | 2 |
| 19 | MPT-0524 | 6260020130000 | COTTER PIN - VALVE | C126 | PIN | | No Colour | 4 |
| 20 | MPT-0648 | 6260050242000 | VALVE SPRING | C176 | SPRING | | No Colour | 2 |

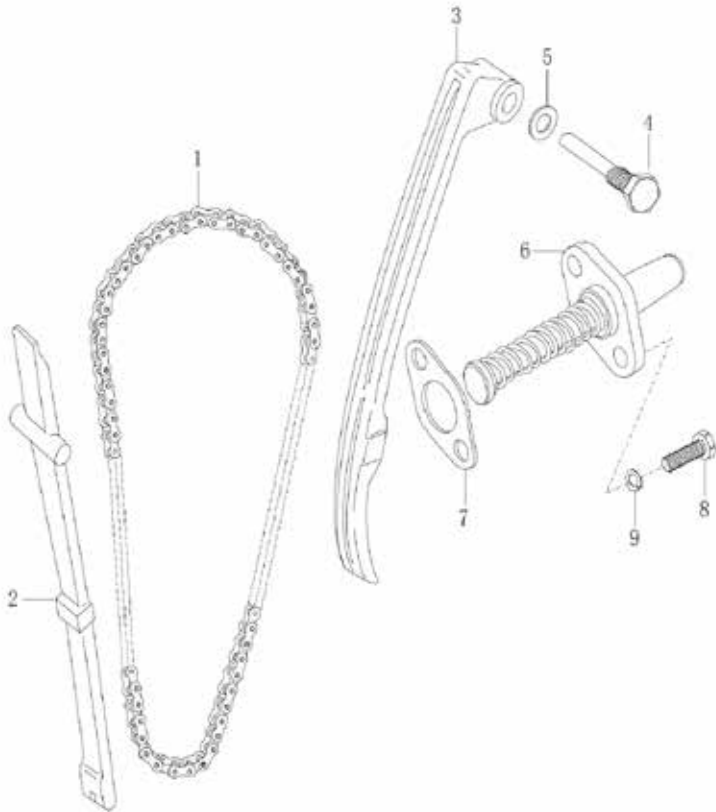


125EU503-E09A

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| ENGINE | 125 | APPROVAL | EU5 | VERSION | 03 |
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| DIAGRAM REF. | GROUP REF. | GROUP |
| E09A | E09 | CAM CHAIN |

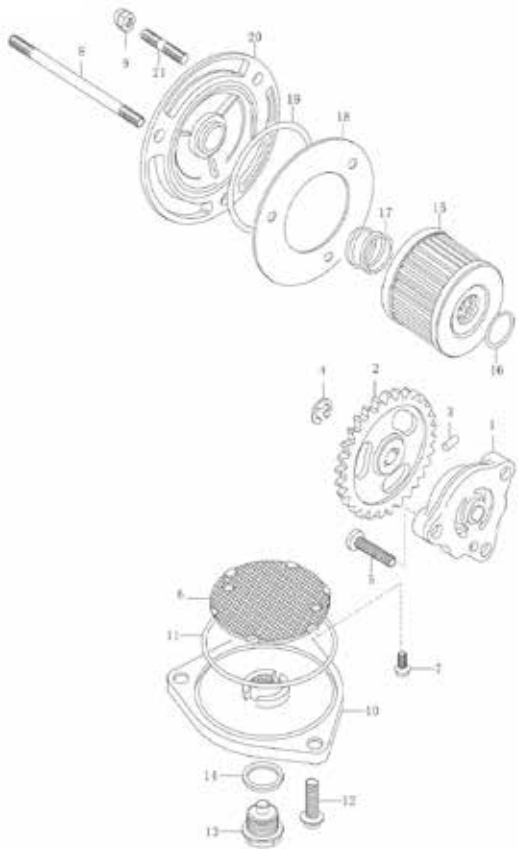
| ITEM NO. | MUTT PART NO. | BARCODE REF. | PART DESCRIPTION | CAT CODE | CATEGORY | SIZE | COLOUR | QTY. |
|----------|---------------|---------------|-------------------------|----------|-----------|---------|-----------|------|
| 1 | MPT-0525 | 6260020150000 | CHAIN - CAM SHAFT DRIVE | C036 | CHAIN | | No Colour | 1 |
| 2 | MPT-0526 | 6260020160000 | GUIDE - CAM CHAIN | C094 | GUIDE | | No Colour | 1 |
| 3 | MPT-0527 | 6260020170000 | TENSIONER - CAM CHAIN | C195 | TENSIONER | | No Colour | 1 |
| 4 | MPT-0924 | 7060308395174 | BOLT - M8×39.5 | C012 | BOLT | M8×39.5 | No Colour | 1 |
| 5 | MPT-0531 | 6260020191000 | WASHER | C206 | WASHER | | No Colour | 1 |
| 6 | MPT-0669 | 6260050400000 | ADJUSTER - TENSIONER | C003 | ADJUSTER | | No Colour | 1 |
| 7 | MPT-0555 | 6260020590000 | GASKET - ADJUSTER | C088 | GASKET | | No Colour | 1 |
| 8 | MPT-0857 | 7013006020167 | BOLT - M6×20 | C012 | BOLT | M6×20 | No Colour | 2 |
| 9 | MPT-0704 | 6260070510000 | SPRING WASHER | C206 | WASHER | | No Colour | 2 |



125EU503-E10A



| ENGINE | 125 | APPROVAL | EU5 | VERSION | 03 |
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| DIAGRAM REF. | GROUP REF. | | GROUP | | |
| E10A | E10 | | OIL PUMP | | |

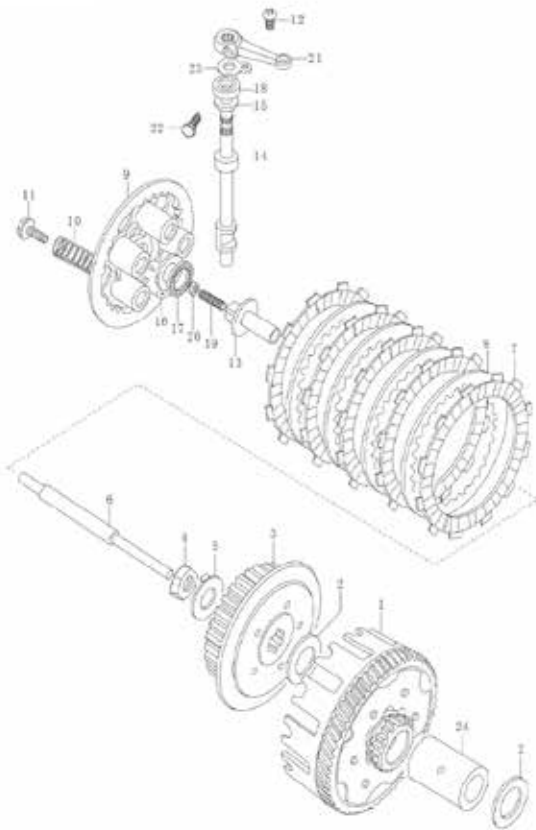


| ITEM NO. | MUTT PART NO. | BARCODE REF. | PART DESCRIPTION | CAT CODE | CATEGORY | SIZE | COLOUR | QTY. |
|----------|---------------|---------------|---------------------------|----------|----------------|----------|-----------|------|
| 1 | MPT-0723 | 6260120030000 | PUMP - ENGINE OIL | C131 | PUMP | | No Colour | 1 |
| 2 | MPT-0724 | 6260120040000 | GEAR - OIL PUMP | C089 | GEAR | | No Colour | 1 |
| 3 | MPT-0798 | 6301940000000 | PIN - 2.5x11.8 | C126 | PIN | 2.5x11.8 | No Colour | 1 |
| 4 | MPT-0728 | 6260120140000 | CIRCLIP | C040 | CIRCLIP | | No Colour | 1 |
| 5 | MPT-0795 | 6301095100004 | SCREW - M6x25 | C152 | SCREW | M6x25 | No Colour | 3 |
| 6 | MPT-0726 | 6260120110003 | STRAINER - ENGINE OIL | C185 | STRAINER | | No Colour | 1 |
| 7 | MPT-0927 | 7110605012168 | SCREW - M5x12 | C152 | SCREW | M5x12 | No Colour | 2 |
| 8 | MPT-0663 | 6260050331000 | STUD BOLT - M6x85 | C012 | BOLT | M6x85 | No Colour | 1 |
| 9 | MPT-0953 | 7523710000105 | CAP NUT - M6 | C118 | NUT | M6 | No Colour | 3 |
| 10 | MPT-0725 | 6260120050000 | CAP - FILTER COVER | C033 | CAP | | No Colour | 1 |
| 11 | MPT-0736 | 6260120229000 | O-RING - 2.4x60.5 | C119 | O-RING | 2.4x60.5 | No Colour | 1 |
| 12 | MPT-0829 | 7012806020104 | BOLT - M6x20 | C012 | BOLT | M6x20 | No Colour | 3 |
| 13 | MPT-0496 | 6260010050000 | PLUG - DRAIN - M14x12 | C130 | PLUG | M14x12 | No Colour | 1 |
| 14 | MPT-0685 | 6260070040000 | GASKET | C088 | GASKET | | No Colour | 1 |
| 15 | MPT-0732 | 6260120200000 | OIL FILTER | C122 | OIL FILTER | | No Colour | 1 |
| 16 | MPT-0734 | 6260120226000 | O-RING - 1.9x13 | C119 | O-RING | 1.9x13 | No Colour | 1 |
| 17 | MPT-0729 | 6260120160000 | SPRING | C176 | SPRING | | No Colour | 1 |
| 18 | MPT-0731 | 6260120170000 | OIL FILTER - PAPER GASKET | C088 | GASKET | | No Colour | 1 |
| 19 | MPT-0727 | 6260120120000 | O-RING - 2.4x52.6 | C119 | O-RING | 2.4x52.6 | No Colour | 1 |
| 20 | MPT-0003 | 6260120280000 | OIL FILTER CAP | C123 | OIL FILTER CAP | | No Colour | 1 |
| 21 | MPT-0662 | 6260050330000 | STUD BOLT - M6x12 | C012 | BOLT | M6x12 | No Colour | 2 |

125EU503-E11A



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| ENGINE | 125 | APPROVAL | EU5 | VERSION | 03 |
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| DIAGRAM REF. | GROUP REF. | GROUP | | | |
| E11A | E11 | CLUTCH | | | |



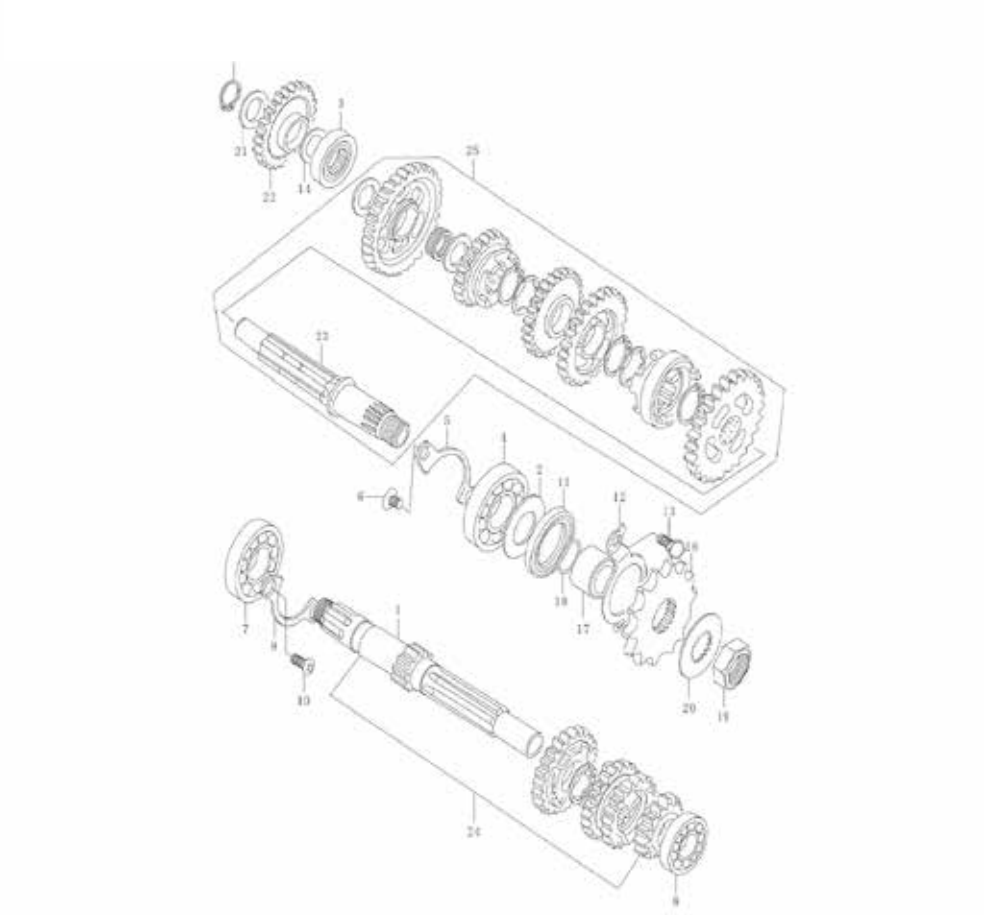
| ITEM NO. | MUTT PART NO. | BARCODE REF. | PART DESCRIPTION | CAT CODE | CATEGORY | SIZE | COLOUR | QTY. |
|----------|---------------|---------------|--------------------------------------|----------|---------------------|-------|-----------|------|
| 1 | MPT-0620 | 6260050060000 | PRIMARY DRIVE GEAR ASSEMBLY | C066 | DRIVE GEAR ASSEMBLY | | No Colour | 1 |
| 2 | MPT-0693 | 6260070140000 | WASHER | C206 | WASHER | | No Colour | 2 |
| 3 | MPT-0631 | 6260050091000 | CLUTCH SLEEVE - SPLINED | C165 | SLEEVE | | No Colour | 1 |
| 4 | MPT-0595 | 6260030110000 | NUT - M16 | C118 | NUT | M16 | No Colour | 1 |
| 5 | MPT-0688 | 6260070090000 | LOCK WASHER | C206 | WASHER | | No Colour | 1 |
| 6 | MPT-0621 | 6260050061000 | PUSH ROD | C132 | PUSH ROD | | No Colour | 1 |
| 7 | MPT-0627 | 6260050070000 | ACTIVE FRICTION PLATE | C067 | DRIVEN PLATE | | No Colour | 5 |
| 8 | MPT-0625 | 6260050066000 | DRIVEN PLATE | C067 | DRIVEN PLATE | | No Colour | 4 |
| 9 | MPT-0632 | 6260050092000 | CLUTCH SPRING PRESSURE PLATE | C129 | PLATE | | No Colour | 1 |
| 10 | MPT-0635 | 6260050130000 | CLUTCH SPRING | C176 | SPRING | | No Colour | 5 |
| 11 | MPT-0807 | 7012405016172 | BOLT - M5x16 | C012 | BOLT | M5x16 | No Colour | 5 |
| 12 | MPT-0948 | 7512506010168 | CLUTCH ROCKER HEX SCREW - M6x10 | C152 | SCREW | M6x10 | No Colour | 1 |
| 13 | MPT-0622 | 6260050062000 | CLUTCH COLUMN TOP | C045 | CLUTCH | | No Colour | 1 |
| 14 | MPT-0623 | 6260050063000 | CAMSHAFT - CLUTCH RELEASE | C032 | CAMSHAFT | | No Colour | 1 |
| 15 | MPT-0694 | 6260070150000 | WASHER | C206 | WASHER | | No Colour | 1 |
| 16 | MPT-0699 | 6260070200000 | WASHER | C206 | WASHER | | No Colour | 1 |
| 17 | MPT-0574 | 6260030026000 | THRUST BEARING | C011 | BEARING | | No Colour | 1 |
| 18 | MPT-0549 | 6260020400000 | OIL SEAL | C124 | OIL SEAL | | No Colour | 1 |
| 19 | MPT-0563 | 6260025064000 | SCREW - M6x25 | C152 | SCREW | M6x25 | No Colour | 1 |
| 20 | MPT-0895 | 7031906000153 | NUT - M6 | C118 | NUT | M6 | No Colour | 1 |
| 21 | MPT-0630 | 6260050090000 | CLUTCH ARM | C046 | CLUTCH ARM | | No Colour | 1 |
| 22 | MPT-0946 | 7512406010164 | SCREW - M6x16 | C152 | SCREW | M6x16 | Chrome | 1 |
| 23 | MPT-0701 | 6260070262000 | WASHER | C206 | WASHER | | No Colour | 1 |
| 24 | MPT-0785 | 6261090070000 | LARGE INNER CLUTCH HUB SLEEVE/SPACER | C166 | SPACER | | No Colour | 1 |

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| ENGINE | 125 | APPROVAL | EU5 | VERSION | 03 |
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| DIAGRAM REF. | GROUP REF. | GROUP |
| E12A | E12 | TRANSMISSION |



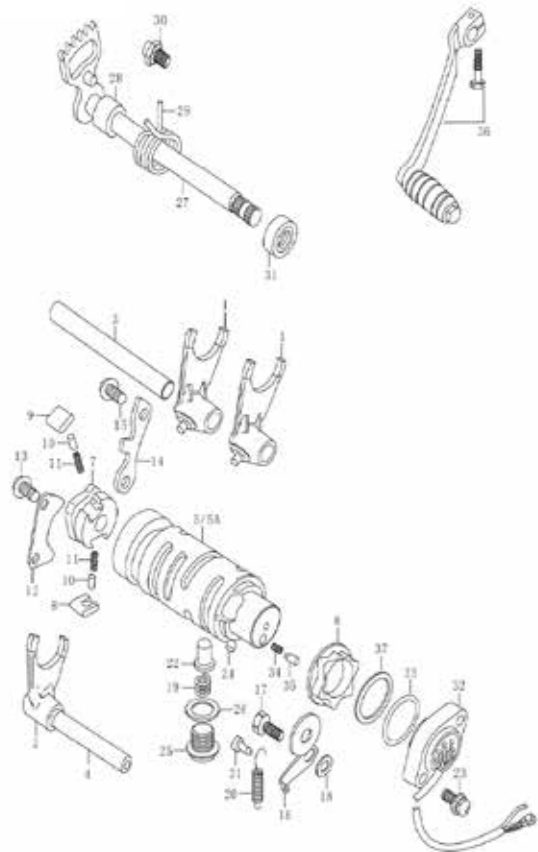
| ITEM NO. | MUTT PART NO. | BARCODE REF. | PART DESCRIPTION | CAT CODE | CATEGORY | SIZE | COLOUR | QTY. |
|----------|---------------|---------------|--------------------------------------|----------|-----------------------|---------|-----------|------|
| 1 | MPT-0615 | 6260040040001 | COUNTERSHAFT ASSEMBLY - WITHOUT GEAR | C053 | COUNTERSHAFT ASSEMBLY | | No Colour | 1 |
| 2 | MPT-0681 | 6260070014000 | BEARING RING | C206 | WASHER | | No Colour | 1 |
| 3 | MPT-0570 | 6260030021000 | BEARING - RH | C011 | BEARING | | No Colour | 1 |
| 4 | MPT-0571 | 6260030022000 | BEARING - LH | C011 | BEARING | | No Colour | 1 |
| 5 | MPT-0682 | 6260070015000 | BEARING BRACKET | C015 | BRACKET | | No Colour | 1 |
| 6 | MPT-0884 | 7022006012165 | SCREW - M6×12 | C152 | SCREW | M6×12 | No Colour | 2 |
| 7 | MPT-0573 | 6260030024000 | BEARING - RH | C011 | BEARING | | No Colour | 1 |
| 8 | MPT-0572 | 6260030023000 | BEARING - LH | C011 | BEARING | | No Colour | 1 |
| 9 | MPT-0682 | 6260070015000 | BEARING BRACKET | C015 | BRACKET | | No Colour | 1 |
| 10 | MPT-0884 | 7022006012165 | SCREW - M6×12 | C152 | SCREW | M6×12 | No Colour | 2 |
| 11 | MPT-0608 | 6260040020000 | OIL SEAL - LH | C124 | OIL SEAL | | No Colour | 1 |
| 12 | MPT-0672 | 6260060040000 | DRIVESHAFT BAFFLE SEAL | C153 | SEAL | | No Colour | 1 |
| 13 | MPT-0808 | 7012406010164 | BOLT - M6×12 | C012 | BOLT | M6×12 | No Colour | 2 |
| 16 | MPT-0670 | 6260060010000 | CHAIN WHEEL | C177 | SPROCKET | 13T | No Colour | 1 |
| 17 | MPT-0787 | 6261090071000 | SPACER | C166 | SPACER | | No Colour | 1 |
| 18 | MPT-0505 | 6260010230000 | O-RING - 19×2.4 | C119 | O-RING | 19×2.4 | No Colour | 1 |
| 19 | MPT-0910 | 7034216000146 | NUT - M16×1.5 | C118 | NUT | M16×1.5 | No Colour | 1 |
| 20 | MPT-0671 | 6260060020000 | WASHER | C206 | WASHER | | No Colour | 1 |
| 23 | MPT-0673 | 6260060050000 | DRIVESHAFT | C068 | DRIVESHAFT | | No Colour | 1 |
| 24 | MPT-0614 | 6260040040000 | COUNTERSHAFT ASSEMBLY - WITH GEAR | C053 | COUNTERSHAFT ASSEMBLY | | No Colour | 1 |
| 25 | MPT-0607 | 6260040010000 | DRIVESHAFT | C068 | DRIVESHAFT | | No Colour | 1 |

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| ENGINE | 125 | APPROVAL | EU5 | VERSION | 03 |
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| DIAGRAM REF. | GROUP REF. | GROUP |
| E13A | E13 | GEAR SHIFT |

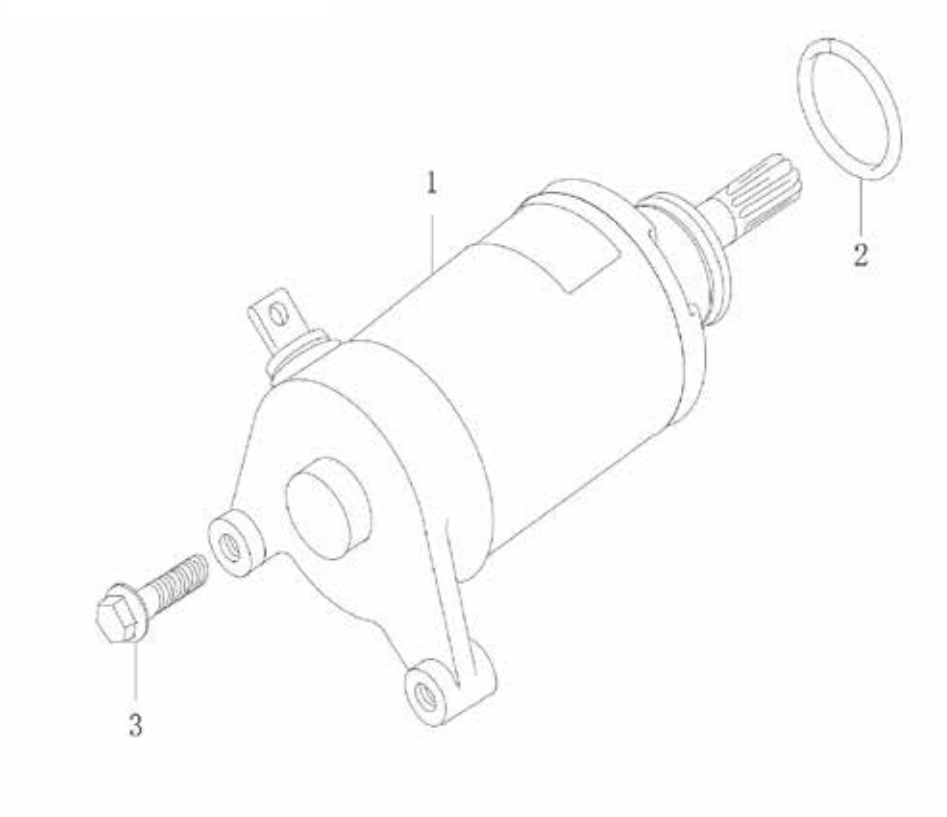


| ITEM NO. | MUTT PART NO. | BARCODE REF. | PART DESCRIPTION | CAT CODE | CATEGORY | SIZE | COLOUR | QTY. |
|----------|---------------|---------------|-------------------------------|----------|------------------------|---------|-----------|------|
| 1 | MPT-0655 | 6260050290000 | GEAR SHIFT FORK (1) | C077 | FORK | | No Colour | 2 |
| 2 | MPT-0668 | 6260050390000 | GEAR SHIFT FORK (3) | C077 | FORK | | No Colour | 1 |
| 3 | MPT-0656 | 6260050300000 | SHAFT - FORK (1) | C160 | SHAFT | | No Colour | 1 |
| 4 | MPT-0661 | 6260050310000 | SHAFT - FORK (2) | C160 | SHAFT | | No Colour | 1 |
| 5 | MPT-0715 | 6260100090000 | CAM - GEAR SHIFTING | C031 | CAM | | No Colour | 1 |
| 6 | MPT-0709 | 6260100011000 | STOPPER PLATE | C184 | STOPPER | | No Colour | 1 |
| 7 | MPT-0710 | 6260100012000 | CAM - DRIVEN GEAR | C031 | CAM | | No Colour | 1 |
| 8 | MPT-0537 | 6260020223000 | PAWL (1) | C125 | PAWL | | No Colour | 1 |
| 9 | MPT-0538 | 6260020224000 | PAWL (2) | C125 | PAWL | | No Colour | 1 |
| 10 | MPT-0534 | 6260020220000 | SHAFT PIN | C126 | PIN | | No Colour | 2 |
| 11 | MPT-0748 | 6260120360000 | SPRING | C176 | SPRING | | No Colour | 2 |
| 12 | MPT-0674 | 6260060060000 | LIFTER - PAWL | C125 | PAWL | | No Colour | 1 |
| 13 | MPT-0884 | 7022006012165 | SCREW - M6x12 | C152 | SCREW | M6x12 | No Colour | 2 |
| 14 | MPT-0675 | 6260060061000 | CAM GUIDE | C094 | GUIDE | | No Colour | 1 |
| 15 | MPT-0884 | 7022006012165 | SCREW - M6x12 | C152 | SCREW | M6x12 | No Colour | 2 |
| 16 | MPT-0677 | 6260060070000 | CAM STOPPER | C184 | STOPPER | | No Colour | 1 |
| 17 | MPT-0809 | 7012406016267 | BOLT - M6x16 | C012 | BOLT | M6x16 | No Colour | 1 |
| 18 | MPT-0680 | 6260070013000 | WASHER | C206 | WASHER | | No Colour | 1 |
| 19 | MPT-0541 | 6260020240000 | CAM PIN SPRING - TOP | C176 | SPRING | | No Colour | 1 |
| 20 | MPT-0713 | 6260100070000 | SPRING | C176 | SPRING | | No Colour | 1 |
| 21 | MPT-0542 | 6260020250000 | HOOK | C126 | PIN | | No Colour | 1 |
| 22 | MPT-0539 | 6260020225000 | NEUTRAL STOPPER | C126 | PIN | | No Colour | 1 |
| 23 | MPT-0883 | 7022005020165 | PHILLIPS HEAD SCREW - M5x20 | C152 | SCREW | M5x20 | No Colour | 2 |
| 24 | MPT-0536 | 6260020222000 | PIN - 4x6 | C126 | PIN | 4x6 | No Colour | 1 |
| 25 | MPT-0498 | 6260010052000 | PLUG - CAM STOPPER | C130 | PLUG | M14x12 | No Colour | 1 |
| 26 | MPT-0685 | 6260070040000 | GASKET | C088 | GASKET | | No Colour | 1 |
| 27 | MPT-0718 | 6260100120000 | SHAFT - GEAR SHIFTING | C160 | SHAFT | | No Colour | 1 |
| 28 | MPT-0717 | 6260100100000 | SPACER | C166 | SPACER | | No Colour | 1 |
| 29 | MPT-0540 | 6260020230000 | SHIFTING SHAFT TORSION SPRING | C176 | SPRING | | No Colour | 1 |
| 30 | MPT-0719 | 6260100140000 | STOPPER - GEAR SHIFT ARM | C184 | STOPPER | | No Colour | 1 |
| 31 | MPT-0711 | 6260100030000 | OIL SEAL | C124 | OIL SEAL | | No Colour | 1 |
| 32 | MPT-0712 | 6260100040000 | TERMINAL BASE ASSEMBLY | C196 | TERMINAL BASE ASSEMBLY | | No Colour | 1 |
| 33 | MPT-0738 | 6260120230000 | O-RING - 24x26.2 | C119 | O-RING | 24x26.2 | No Colour | 1 |
| 34 | MPT-0750 | 6260120460000 | SPRING | C176 | SPRING | | No Colour | 1 |
| 35 | MPT-0751 | 6260120461000 | CONTACT PIN | C126 | PIN | | No Colour | 1 |
| 36 | MPT-0043 | 1040400122000 | GEAR LEVER - BLACK | C109 | LEVER | | Black | 1 |
| 37 | MPT-0698 | 6260070190000 | WASHER | C206 | WASHER | | No Colour | 1 |

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| ENGINE | 125 | APPROVAL | EU5 | VERSION | 03 |
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| DIAGRAM REF. | GROUP REF. | GROUP | | | |
| E14A | E14 | STARTING MOTOR | | | |

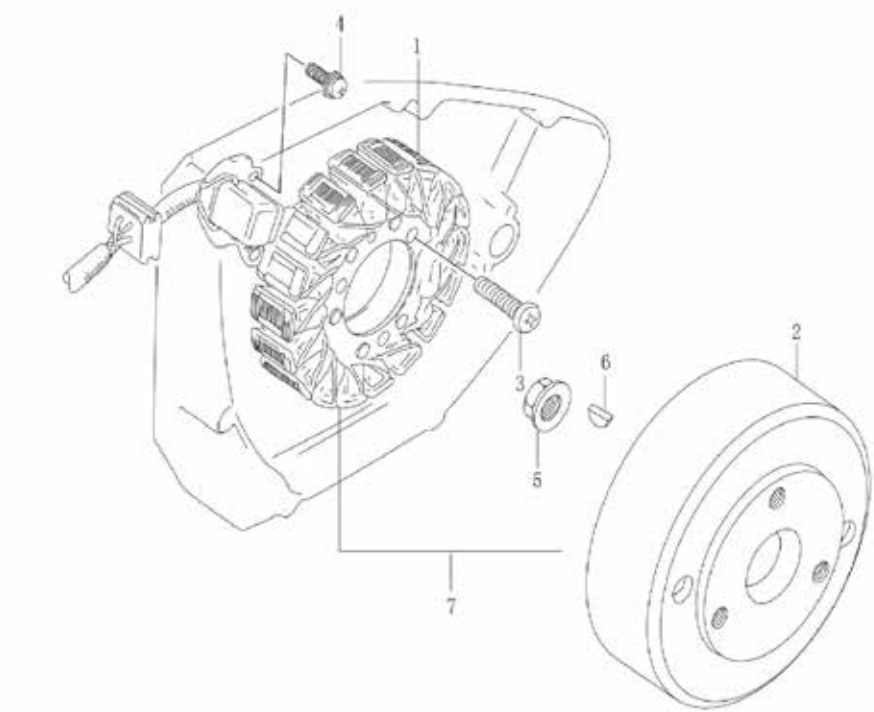
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|----------|---------------|---------------|------------------------|----------|------------------------|--------|-----------|------|
| ITEM NO. | MUTT PART NO. | BARCODE REF. | PART DESCRIPTION | CAT CODE | CATEGORY | SIZE | COLOUR | QTY. |
| 1 | MPT-0708 | 6260090070000 | STARTER MOTOR ASSEMBLY | C180 | STARTER MOTOR ASSEMBLY | | No Colour | 1 |
| 2 | MPT-0742 | 6260120238000 | O-RING - 3×24.5 | C119 | O-RING | 3×24.5 | No Colour | 1 |
| 3 | MPT-0830 | 7012806030174 | BOLT - M6×30 | C012 | BOLT | M6×30 | No Colour | 2 |



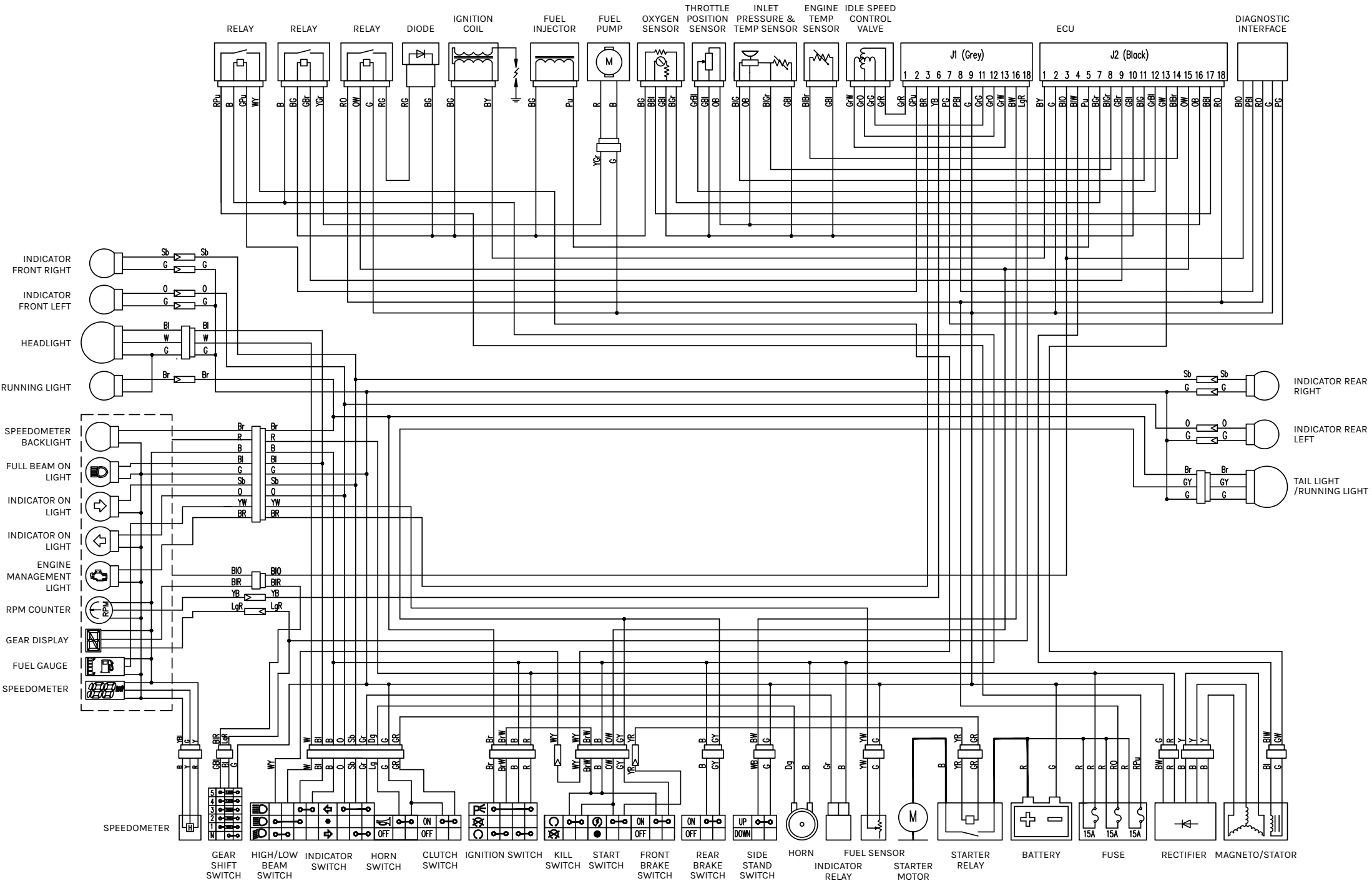
125EU503-E15A

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|--------------|------------|----------|-----|---------|----|
| ENGINE | 125 | APPROVAL | EU5 | VERSION | 03 |
| | | | | | |
| DIAGRAM REF. | GROUP REF. | GROUP | | | |
| E15A | E15 | MAGNETO | | | |

| ITEM NO. | MUTT PART NO. | BARCODE REF. | PART DESCRIPTION | CAT CODE | CATEGORY | SIZE | COLOUR | QTY. |
|----------|---------------|---------------|------------------------------|----------|----------|-------|-----------|------|
| 1 | MPT-0777 | 6261070034000 | STATOR ASSEMBLY (ALTERNATOR) | C182 | STATOR | | No Colour | 1 |
| 2 | MPT-0779 | 6261070045000 | FLYWHEEL | C075 | FLYWHEEL | | No Colour | 1 |
| 3 | MPT-0928 | 7110605025153 | SCREW - M5×25 | C152 | SCREW | M5×12 | No Colour | 3 |
| 4 | MPT-0878 | 7021804012263 | SCREW - M4×12 | C152 | SCREW | M4×12 | No Colour | 2 |
| 5 | MPT-0500 | 6260010062000 | NUT - M10 | C118 | NUT | M10 | No Colour | 1 |
| 6 | MPT-0597 | 6260030130000 | KEY - 3×13 | C105 | KEY | | No Colour | 1 |
| 7 | MPT-0775 | 6261070030000 | MAGNETO | C111 | MAGNETO | | No Colour | 1 |



WIRING DIAGRAM



TORQUE SETTINGS



| MAIN CHASSIS AND WHEEL COMPONENTS | 5-10 NM | 10-20 NM | 20-30 NM | 30-40 NM | 40-50 NM | 50-60 NM | 60-70 NM | 70-80NM |
|--|---------|----------|----------|----------|----------|----------|----------|---------|
| Front and Rear Axle | | | | | | 60 | | |
| Rear Sprocket | | | | | 50 | | | |
| Brake Disc Bolts Front/Rear | | | 30 | | | | | |
| Shock Nuts | | | 30 | | | | | |
| Fork Top Hat | | | | | 50 | | | |
| Fork Damper Rod Retaining Bolt | | | 30 | | | | | |
| Front/Rear Fender Bracket Mounting Bolts | | 20 | | | | | | |
| Fender Bolts | | | 25 | | | | | |
| Bar Clamps | | | 30 | | | | | |
| Steering Stem Top Nut | | | | | 50 | | | |
| Bottom Yoke Pinch Bolts | | | | 35 | | | | |
| Top Yoke Pinch Bolts | | | | 35 | | | | |
| Clutch Perch | | 25 | | | | | | |
| Front Brake Perch | | 25 | | | | | | |
| Swing Arm Axle | | | | | | 60 | | |
| Foot Pegs | | | | | 50 | | | |
| Rear Frame Loop | | | 30 | | | | | |
| | | | | | | | | |

| MAIN ENGINE COMPONENTS | 5-10 NM | 10-20 NM | 20-30 NM | 30-40 NM | 40-50 NM | 50-60 NM | 60-70 NM | 70-80NM |
|----------------------------|---------|----------|----------|----------|----------|----------|----------|---------|
| Front Engine Cradle Bolts | | | | 32 | | | | |
| Top Engine Mount Bolts | | | | 32 | | | | |
| Rear Engine Mount Bolt | | | | 32 | | | | |
| Exhaust Header Bolts | | | 25 | | | | | |
| Exhaust Coupler | | 17 | | | | | | |
| Exhaust Silencer Mount | | 20 | | | | | | |
| Exhaust Lambda Sensor | | 15 | | | | | | |
| Cylinder Head Studs | | | 25 | | | | | |
| Barrel Retainers | | 15 | | | | | | |
| Cam Cover Bolts | | 15 | | | | | | |
| Cam Gear Bolt | | 20 | | | | | | |
| Cam Tensioner Bolts | | 20 | | | | | | |
| Oil Drain Plug | | | 30 | | | | | |
| Oil Filter Housing | | 12.5 | | | | | | |
| Oil Sump Gauze Cover Bolts | | 12.5 | | | | | | |
| Clutch Basket Main Nut | | | | | 45 | | | |
| Flywheel Main Nut | | | | | 50 | | | |
| Front Sprocket | | | | | 50 | | | |

HANDOVER - PRE-DELIVERY INSPECTION CHECKLIST



| RAMP DOWN | | |
|-----------|---|--------------------------|
| 1.1 | Check battery and charge if required | <input type="checkbox"/> |
| 1.2 | Fit battery terminals, ensuring they are tight and protection spray is used | <input type="checkbox"/> |
| 1.3 | Fit adjust and tighten mirrors | <input type="checkbox"/> |
| 1.4 | Check throttle and clutch cable for free play and correct operation | <input type="checkbox"/> |
| 1.5 | Check routing of cables and wiring, handlebars move freely (IMAGES A-E) | <input type="checkbox"/> |
| 1.6 | Check brake fluid levels (front & rear), top up if necessary (IMAGES F-G) | <input type="checkbox"/> |
| RAMP UP | | |
| 2.1 | Check and clean all brake discs | <input type="checkbox"/> |
| 2.2 | Check fit of all brake pads | <input type="checkbox"/> |
| 2.3 | Check calliper mount bolts (IMAGE H) | <input type="checkbox"/> |
| 2.4 | Visually check tyres and wheels for tyre fit and rim run out | <input type="checkbox"/> |
| 2.5 | Check tyre pressures (29psi front & 32.6psi rear) | <input type="checkbox"/> |
| 2.6 | Check front and rear wheel bearings | <input type="checkbox"/> |
| 2.7 | Check steering head bearings | <input type="checkbox"/> |
| 2.8 | Check front axle is tight | <input type="checkbox"/> |
| 2.9 | Check chain drive tension and alignment. | <input type="checkbox"/> |
| 2.10 | Check swing arm bearings | <input type="checkbox"/> |
| 2.11 | Check shock bolts are tight | <input type="checkbox"/> |

| 2.12 | Check rear axle is tight | <input type="checkbox"/> |
|-----------|--|--------------------------|
| 2.13 | Check oil level (IMAGE I) | <input type="checkbox"/> |
| 2.14 | Fit registration plate. | <input type="checkbox"/> |
| 2.15 | Check all low level fastenings are tight - engine bolts/side stand bolts etc. (IMAGES J-K) | <input type="checkbox"/> |
| 2.16 | Check the taillight | <input type="checkbox"/> |
| RAMP DOWN | | |
| 3.1 | Add fuel (3 Litres unless otherwise requested) | <input type="checkbox"/> |
| 3.2 | Turn on ignition - check for fuel pump priming/fuel leaks | <input type="checkbox"/> |
| 3.3 | Start bike and run up to temperature (minimum of 5 minutes) | <input type="checkbox"/> |
| 3.4 | Check all lights and switches - High & Low Beam/Indicators/Horn | <input type="checkbox"/> |
| 3.5 | Check kill switch | <input type="checkbox"/> |
| 3.6 | Re-start bike and check for idle changes and that bars move lock to lock | <input type="checkbox"/> |
| 3.7 | Check battery and charging system (13.3-14.5v) | <input type="checkbox"/> |
| 3.8 | Check side stand cut out switch | <input type="checkbox"/> |
| 3.9 | Check / fit tool kit (IMAGES L) | <input type="checkbox"/> |
| 3.10 | Check headlamp aim/height | <input type="checkbox"/> |
| 3.11 | Check steering lock and ignition switch | <input type="checkbox"/> |
| 3.12 | Check smooth operation of front and rear suspension | <input type="checkbox"/> |
| 3.13 | Switch off and re-check the oil level | <input type="checkbox"/> |

HANDOVER - PRE-DELIVERY INSPECTION CHECKLIST



| ROAD TEST (MINIMUM OF 3 MILES) | | |
|--|---|--------------------------|
| IMPORTANT! When performing the Road Test, distance completed should be a minimum of 3 miles | | <input type="checkbox"/> |
| 4.1 | Check smooth acceleration and deceleration | <input type="checkbox"/> |
| 4.2 | Check smooth and effective braking | <input type="checkbox"/> |
| 4.3 | Check smooth operation of the steering and suspension | <input type="checkbox"/> |
| 4.4 | Ensure there are no unusual engine noises or rattles | <input type="checkbox"/> |
| 4.5 | Turn off the engine and restart to check hot restart and idling | <input type="checkbox"/> |
| FINAL CHECKS (BIKE OFF AND COOLED) | | |
| 5.1 | Re-check oil level and perform a visual check for leaks | <input type="checkbox"/> |
| 5.2 | Re-check final drive for tension and alignment | <input type="checkbox"/> |
| 5.3 | Clean and polish the bike ready for handover | <input type="checkbox"/> |

| HANDOVER | | |
|----------|---|--------------------------|
| 6.1 | Fully advise the owner on operation, routine servicing and safety precautions | <input type="checkbox"/> |
| 6.2 | Technician - Sign PDI | <input type="checkbox"/> |
| 6.3 | Handover owners hand book/warranty book | <input type="checkbox"/> |
| 6.4 | Handover owners tool kit | <input type="checkbox"/> |
| 6.5 | Handover keys | <input type="checkbox"/> |
| 6.6 | Complete the MUTT warranty registration form/certificate | <input type="checkbox"/> |
| 6.7 | Customer - Sign PDI | <input type="checkbox"/> |

HANDOVER - PRE-DELIVERY INSPECTION CHECKLIST - IMAGE GUIDE



| | |
|---|--|
| A | 1.5 Check routing of cables and wiring, handlebars move freely |
|---|--|



| | |
|---|--|
| B | 1.5 Check routing of cables and wiring, handlebars move freely |
|---|--|



| | |
|---|--|
| C | 1.5 Check routing of cables and wiring, handlebars move freely |
|---|--|



| | |
|---|--|
| D | 1.5 Check routing of cables and wiring, handlebars move freely |
|---|--|



| | |
|---|--|
| E | 1.5 Check routing of cables and wiring, handlebars move freely |
|---|--|



| | |
|---|--|
| F | 1.6 Check brake fluid levels (front & rear), top up if necessary |
|---|--|



| | |
|---|--|
| G | 1.6 Check brake fluid levels (front & rear), top up if necessary |
|---|--|

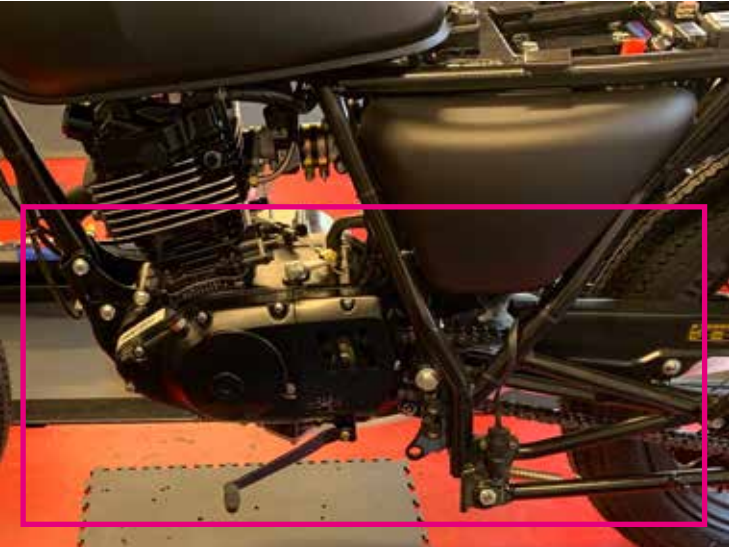


| | |
|---|--------------------------------|
| H | 2.3 Check calliper mount bolts |
|---|--------------------------------|

HANDOVER - PRE-DELIVERY INSPECTION CHECKLIST - IMAGE GUIDE



| | |
|---|---------------------|
| I | 2.3 Check oil level |
|---|---------------------|



| | |
|---|--|
| J | 2.15 Check all low level fastenings are tight - engine bolts/side stand bolts etc. |
|---|--|



| | |
|---|--|
| K | 2.15 Check all low level fastenings are tight - engine bolts/side stand bolts etc. |
|---|--|



| | |
|---|------------------------|
| L | 3.9 Check/fit tool kit |
|---|------------------------|

SERVICE INFORMATION - SERVICE SCHEDULE & GENERAL GUIDANCE



It is important that regular servicing is carried out on our motorcycles. The service schedule is outlined below. Please follow the detailed service procedures outlined for each service.

Service schedule and procedures apply to **all 125cc and 250cc bike models**.

| SERVICE | INTERVAL |
|-----------------------|---------------------------------|
| FIRST SERVICE | 800KM |
| SECOND SERVICE | 4,000KM |
| THIRD SERVICE | 8,000KM |
| FOURTH SERVICE | 12,000KM |
| FIFTH SERVICE | 16,000KM |
| SIXTH SERVICE ONWARDS | Every +4,000KM from 20,000KM on |

CAUTION

Proper service and repair procedures are essential for the service technician’s safety and the motorcycle’s safety and reliability. When two or more people work together, pay attention to each other’s safety. When it is necessary to run the engine indoors, ensure removal of any exhaust gas using extraction. When working with any toxic or flammable materials, make sure that the area you work in is well ventilated and that you follow all of the material manufacturer’s instructions. Never use petrol as a cleaning solvent. To avoid getting burned, do not touch the engine, engine oil or exhaust system during or shortly after engine operation. After servicing the fuel, oil, exhaust or brake system, check all lines and fittings related to these systems for leakage. When working on the brake system, when completed, ALWAYS ensure proper brake system operation.

If parts replacement is necessary, replace the parts with MUTT genuine or approved parts. When removing parts that will be re-used, keep them arranged in an orderly manner for re-installation in the proper order and orientation. Make sure that all components used in reassembly are clean and lubricated where specified. When performing service to electrical parts, if the service procedures do not require battery power, disconnect the positive terminal. When removing the battery, disconnect the negative cable first and then the positive cable. When reconnecting the battery, connect the positive cable first and then the negative cable, and replace the terminal cover on the positive terminal. Whenever you remove oil seals, gaskets, packing, O-rings, locking washers, cotter pins, circlips, and certain other parts as specified, be sure to replace them with new ones. Before installing new parts, remove any unwanted material from the mating surfaces. After installing a circlip, always ensure that it is completely seated in its groove and securely fitted. Do not re-use locking nuts. Use a torque wrench to tighten fasteners to the torque values specified. After reassembly, check parts for tightness and correct operation.

SUSTAINABILITY

To protect the environment, do not unlawfully dispose of used motor oil and other fluids, batteries and tyres. To ensure that we operate as sustainably as possible, always ensure proper disposal of used motorcycle parts. Whenever possible, we should find ways to recycle and re-use parts and components.

IMPORTANT

Please note that the warnings and the cautions contained in this manual cannot cover all potential hazards relating to the servicing, or lack of servicing, of the motorcycle. In addition to the WARNING and CAUTION stated, you must use good judgment and basic mechanical safety principles. If you are unsure how to perform a particular service operation, ask a more experienced technician for advice.

SERVICE INFORMATION - FIRST SERVICE



SUMMARY

- 1. PREPARE THE MOTORCYCLE
- 2. CHECK LIGHTING SYSTEMS
- 3. CHECK ELECTRONIC HAND CONTROLS
- 4. TURN OFF THE MOTORCYCLE
- 5. DRAIN OIL
- 6. REMOVE AND REPLACE OIL FILTER
- 7. REPLACE OIL
- 8. CLEAN AIR FILTER
- 9. CHECK SPARK PLUG
- 10. CHECK REAR WHEEL AND TYRE
- 11. CHECK AND LUBRICATE CHAIN
- 12. CHECK FRONT WHEEL AND TYRE
- 13. DIAGNOSTIC CHECK
- 14. FINAL CHECK & CLEAN

1. PREPARE THE MOTORCYCLE

- 1.1. Place the motorcycle on the ramp and secure safely.
- 1.2. Starting and warming the motorcycle is required to thin the engine oil to make it easier to drain. Start the bike in the usual manner; make sure the bike is in neutral, pull in the clutch and make sure the side stand is up.

2. CHECK LIGHTING SYSTEMS

- 2.1. With the bike running check the lighting systems:
- 2.2. **Headlight:** Check that the headlight and sidelight bulbs are running to their full capacity.
- 2.3. **Main beam:** Check that the main beam bulb is running at full capacity when switched on. Make sure that this doesn't affect any other headlight bulbs when switched on.
- 2.4. **Front and rear indicators:** Check that all four indicators are flashing at the correct speed (60-120 FPM) and that none of the bulbs is dim or defective.
- 2.5. **Rear running light:** Check that the rear day running light is continuously running without any intermittent flashes or flickers.
- 2.6. **Brake light and front and rear actuators:** Check the rear brake light operation by placing one hand over the rear light cluster and pulling the front brake lever. Do the same again for the rear using your foot to press down the brake pedal.
- 2.7. **Number plate light:** Place your fingers underneath the light cluster checking for the bright white light.
- 2.8. If any of the above are not working or defective, consult the troubleshooting advice.

3. CHECK ELECTRONIC HAND CONTROLS

- 3.1. With the bike still running, check the electronic hand controls:
- 3.2. **Main beam flash switch:** Check if the main beam switches on/off using the yellow button on the LHS switchgear. Do this a few times, releasing the switch to check that the main beam goes off correctly.
- 3.3. **Main beam switch:** Switch the main beam switch to the on position and check if the main beam is on. Check the main beam indicator light is on.

- 3.4. **Horn button:** Press the horn button on the LHS switchgear and ensure the horn is triggered and audible.
- 3.5. **Indicator switch and cancelling operation:** Confirm the indicators operate correctly by sliding the indicator switch from right to left. Click the indicator switch entirely in to check the cancelling operation.
- 3.6. **Kill switch operation:** Move the red kill switch to the 'off' position. Restart the bike to continue warming the oil.

4. TURN OFF THE MOTORCYCLE

- 4.1. After three minutes of run time, turn the motorcycle off. Be careful around the bike once it is warmed up, particularly around the engine and exhaust, as it will now be hot.

5. DRAIN OIL

- 5.1. Use a suitable drain tub with a capacity of 1L or above. If the bike has no sump guard, move to step 5.3
- 5.2. Remove the sump guard using a 10mm socket or spanner. Undo the three 10mm bolts securing the sump guard plate in place. Keep these bolts safe. Check the anti-vibration rubber grommets fitted to the sump guard plate. Replace if torn or perished or showing other signs of wear. Worn grommets can cause severe vibration and excessive wear on the sump guard mounting points if they are not replaced. Remove the oil filler cap for better oil flow whilst draining.
- 5.3. Ensure that your oil drain tub is directly under the engine. Using a 17mm socket with an extension secured on the head of the sump plug, remove the plug by turning counter-clockwise. The sump plug is located on the triangular plate underneath the engine, directly in the middle.
CAUTION - The oil will be extremely hot - remove with care. We recommend that you wear heat-resistant rubber gloves during the draining process.
- 5.4. Clean and check the threads and washer on the sump plug. If there is any damage to either the threads or the washer, replace the sump plug. Replace the sump plug washer after a maximum of two oil changes.

SERVICE INFORMATION - FIRST SERVICE (Cont.)



- 5.5.

Visually check the oil that is draining, looking for any obvious metal particulates. If metal particulates are present, then consult the troubleshooting advice.

5.6.

Leave the oil to drain for approximately three minutes. Make sure the bike stays in the upright position throughout.

5.7.

Once the oil has drained completely, refit the sump plug, ensuring that the washer is still fitted correctly. Tighten the sump plug clockwise to 30nm. DO NOT over-tighten the sump plug as there is a risk of stripping internal threads. Always make sure you pay attention to our torque specifications and observe the correct settings.

5.8.

Clean any oil residue off of the engine using brake cleaner.

6.

REMOVE AND REPLACE OIL FILTER

6.1.

It is essential to change the oil filter during the first service. After the break-in process, metal particulates can gather in the oil filter. This is entirely normal and indicates that the engine has bedded in correctly.

6.2.

Ensure that your drain tub is still underneath the motorcycle, then remove the three oil filter house nuts using a 10mm socket. Once removed, ease the oil filter housing cap away from the crankcase. Ensure you remove the cap carefully and try not to tear or damage the paper gasket or rubber O-ring. If you damage these items during this process, they will need replacement.

6.3.

Remove the oil filter by extracting the filter out of the filter housing. Inspect the oil filter, looking for any obvious signs of damage. Remember that it is normal to find metal particles, especially during the first service.

6.4.

Fit a new oil filter into the housing, ensuring that the oil filter is in the correct orientation.

6.5.

Refit the oil filter housing, ensuring the correct fitting of the o-ring and paper gasket. Tighten the three 10mm nuts to 15nm.

7.

REPLACE OIL

7.1.

Remove the oil filler cap. Place a funnel in the oil fill port. Measure out 900MLs of 10w40 semi-synthetic motorcycle oil. Place the oil into the engine slowly, being careful not to spill any oil.

7.2.

After adding the required amount of oil, replace the oil filler cap and check for any leaks on the sump plug. Remove the drain tub and dispose of the oil accordingly.

7.3.

When you are confident the oil level is correct and that there are no apparent leaks, run the engine for approximately one minute to circulate the oil and refill the oil filter with clean oil. Start the motorcycle in the usual manner. Remember to run the motorcycle outside or with a ventilation system in place. Be careful of the hot engine and exhaust whilst running. If you find any leaks during the running process, turn the motorcycle off immediately. Trace the source and consult troubleshooting advice.

7.4.

After running for one minute, turn the motorcycle off and leave for three minutes to cool. Check the oil by looking at the oil level window making sure the bike is entirely upright. If the oil level is below the centre of the window, remove the oil filler cap and add more oil until the window is 3/4 filled. Refit the oil filler cap and clean off any residue.

7.5.

Refit the sump guard by bolting the sump guard plate back on to the sump guard mount. Fit the rubber grommets. Tighten the three 10mm sump guard plate bolts up to 40nm.

8.

CLEAN AIR FILTER

8.1.

Gain access to the airbox by removing the airbox side cover. Remove the three screws that hold the air filter tube in place. Slide the air filter tube out of the airbox. Remove the air filter from the tube. If you have access to an air compressor with an airline nozzle, use it to blow the air filter clean. If you do not have a compressor, clean thoroughly in warm water, then leave to dry.

8.2.

Spray the air filter with air filter oil to the directions supplied by the manufacture of the product you are using. Refit the air filter by placing it back over the tube and slide it back into the airbox. Tighten the three screws to secure the air filter tube back into the airbox. Put the airbox cover back on, making sure that the rubber grommets are secured correctly.

9.

CHECK SPARK PLUG

9.1.

Remove the spark plug cap. Use a 10mm spark plug socket to remove the spark plug, screwing counter-clockwise. Check the plug tip and side electrode. If they have turned entirely black, it can indicate a problem linked to the spark plug operation. If this is the case, see our troubleshooting advice for guidance.

9.2.

Using a feeler gauge, check the spark plug gap, which should be 0.7-0.8mm. If you are not happy with the spark plug's condition, then replace with a new one.

9.3.

Once you are happy with the spark plug's condition (or have replaced for new), you can refit. Using a 10mm spark plug socket tighten to 25nm. Once torqued to spec, give it a small nip with a ratchet to check that the crush washer is fully seated.

9.4.

Push the spark plug cap onto the spark plug, making sure it makes a click.

10.

CHECK REAR WHEEL AND TYRE

10.1.

Jack the rear of the motorcycle up on the ramp using the jack point. Spin the wheel looking for any nails or objects that have penetrated the tyre wall. While spinning the wheel, check the tyre tread and shape condition, looking out for any delamination, odd wear patterns, or sidewall bulges.

10.2.

Check the rear tyre pressure is at the required 2.2 bar/32 psi. If the pressure is too low, re-pressurise to the required amount. If the tyre pressure has dropped dramatically, carry out a puncture test. Consult troubleshooting advice for guidance.

11.

CHECK AND LUBRICATE CHAIN

11.1.

With the wheel jacked in the air, check the tension and lubrication of the chain.

11.2.

Slack off the rear wheel axle to release tension from the chain tensioner block.

11.3.

Loosen the lock nut off the adjuster by a few centimetres. Rotate the adjusting bolt using the increment marks on the swingarm as a guide. Ensuring the symmetrical movement of both left and right tensioners, check the chain tension. We recommend moving between 4-5mm. Take this measurement from the swingarm to the bottom of the chain. Tighten the adjuster lock nuts and rear axle nut. Fit the rubber axle nut cap securely.
- MUTT MOTORCYCLES TECHNICAL MANUAL - MUTT MOTORCYCLES 125CC EU5 03 (MONGREL TWIN SHOCK VARIANTS) - V1.0/E2 08/22 | © Mutt Motorcycles Ltd. 2022 | NOT FOR UNAUTHORISED DISTRIBUTION
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SERVICE INFORMATION - FIRST SERVICE (Cont.)



- 11.4. To lubricate the chain, spin the wheel and spray the chain lube directly onto the chain. Remember to pay attention to the instructions of the product. Make a few passes then wipe the brake disc and tyre clean.
- 11.5. Lower the jack and turn the bike around. Always make sure the bike is secured on the ramp when doing this. With the bike in the reverse position on the ramp, jack the front wheel into the air using the jacking point.

12. CHECK FRONT WHEEL AND TYRE

- 12.1. With the front wheel jacked up into the air, spin the wheel looking for any nails or objects that may have penetrated the tyre wall. While spinning the wheel, check the tyre tread and shape condition, looking out for any de-lamination, odd wear patterns, or sidewall bulges.
- 12.2. Check the rear tyre pressure is at the required 2.2 bar/32 psi. If the pressure is too low, re-pressurise to the required amount. If the tyre pressure has dropped dramatically, carry out a puncture test. Consult troubleshooting advice for guidance.
- 12.3. Lower and remove the jack from underneath the motorcycle.

13. DIAGNOSTIC CHECK

- 13.1. Remove the airbox side panel and find the diagnostics port. Remove the waterproof cover and plug in the MUTT diagnostic scanner. Follow the on-screen instructions and run an error code test. Consult our P codes troubleshooting booklet for guidance for any error codes shown. Refit the waterproof diagnostics port cover and refit the side panel if the test is clear.

14. FINAL CHECK & CLEAN

- 14.1. To complete the service, final lubrication and cleaning are required. Lubricate the following parts:
- 14.2. **Rider footpegs:** lubricate with white grease or penetrating oil. Wipe off ALL overspray from the exhaust and brake pedal.
- 14.3. **Passenger footpegs:** lubricate with white grease or penetrating oil as with the rider footpegs. Wipe ALL overspray from the exhaust and brake pedal.

- 14.4. **Brake pedal pivot bush:** lubricate with white grease or penetrating oil.
- 14.5. Clean and polish the motorcycle thoroughly before returning it to the customer. We recommended using our MUTT cleaning product range for the best finish possible. Cleaning the bike is also an opportunity to check for any other issues that may need attention. Remember always to use brake cleaner to clean brake discs after using any cleaning products.
- 14.6. Stamp and sign the service booklet once the service is complete. And you're done - great work!

FIRST SERVICE CHECKLIST



| PREPARE THE MOTORCYCLE | | |
|--------------------------------|--|--------------------------|
| 1.1 | Place the motorcycle on the ramp | <input type="checkbox"/> |
| 1.2 | Start the motorcycle | |
| CHECK LIGHTING SYSTEMS | | |
| 2.1 | Check correct operation of the headlight and sidelight bulbs | <input type="checkbox"/> |
| 2.2 | Check correct operation of the main beam bulb | <input type="checkbox"/> |
| 2.3 | Check all indicators are operational and are flashing at the correct speed | <input type="checkbox"/> |
| 2.4 | Check that the rear day running light is operating continuously | <input type="checkbox"/> |
| 2.5 | Check brake light operation using the front brake lever then rear brake lever | <input type="checkbox"/> |
| 2.6 | Check correct operation of the licence plate light | <input type="checkbox"/> |
| CHECK ELECTRONIC HAND CONTROLS | | |
| 3.1 | Check the main beam flash switch ensuring that the main beam goes on/off correctly | <input type="checkbox"/> |
| 3.2 | Switch the main beam on and check correct operation and display light illumination | <input type="checkbox"/> |
| 3.3 | Check correct operation of the horn | <input type="checkbox"/> |
| 3.4 | Check correct operation of the indicator switch | <input type="checkbox"/> |
| 3.5 | Check correct operation of the kill switch | <input type="checkbox"/> |
| 3.6 | Restart the bike and run for 3 minutes | <input type="checkbox"/> |
| TURN OFF THE MOTORCYCLE | | |
| 4.1 | After running for 3 minutes switch off the motorcycle | |
| DRAIN THE OIL | | |

| 5.1 | Ensure that you have a suitable oil drain tub available and place under the sump | |
|-------------------------------|--|--------------------------|
| 5.2 | Remove and check the sump guard and fixings (if applicable) and remove the oil filler cap | <input type="checkbox"/> |
| 5.3 | Ensuring the oil drain tub is in place remove the oil drain plug. CAUTION - oil will be hot | <input type="checkbox"/> |
| 5.4 | Clean and check the threads and washer on the sump plug. Replace if damaged | <input type="checkbox"/> |
| 5.5 | Visually check the oil for particulates while draining | <input type="checkbox"/> |
| 5.6 | Leave the oil to drain for approximately three minutes | <input type="checkbox"/> |
| 5.7 | Once all oil is drained refit the sump plug and washer | <input type="checkbox"/> |
| 5.8 | Remove/clean excess oil on the motorcycle if required | <input type="checkbox"/> |
| REMOVE AND REPLACE OIL FILTER | | |
| 6.1 | Ensure the oil drain tub is still in place | <input type="checkbox"/> |
| 6.2 | Remove the three oil filter housing nuts and remove the oil filter housing | <input type="checkbox"/> |
| 6.3 | Remove the oil filter by extracting from the housing | <input type="checkbox"/> |
| 6.4 | Fit the new oil filter into the filter housing | <input type="checkbox"/> |
| 6.5 | Refit the filter housing ensuring the correct fitting of the o-ring and paper gasket | <input type="checkbox"/> |
| REPLACE OIL | | |
| 7.1 | Remove the oil filler cap and add 900MLs of 10w40 semi-synthetic motorcycle oil | <input type="checkbox"/> |
| 7.2 | Replace the oil filler cap and check for any leaks on the sump plug. Dispose of waste oil | <input type="checkbox"/> |
| 7.3 | Run the engine for approximately one minute to circulate the oil. Check for leaks. | <input type="checkbox"/> |
| 7.4 | Turn the motorcycle off and leave for three minutes. Check oil level and top up if required. | <input type="checkbox"/> |
| 7.5 | Refit the sump guard | <input type="checkbox"/> |

FIRST SERVICE CHECKLIST



| CLEAN THE AIR FILTER | | |
|----------------------------|---|--------------------------|
| 8.1 | Remove the air box cover, remove the filter tube, and remove the filter. Check and clean. | <input type="checkbox"/> |
| 8.2 | Spray the air filter with air filter oil. Refit the filter, filter tube and cover | <input type="checkbox"/> |
| CHECK SPARK PLUG | | |
| 9.1 | Remove the spark plug cap then remove and check the spark plug | <input type="checkbox"/> |
| 9.2 | Check the spark plug gap using a feeler gauge. If necessary replace the spark plug. | <input type="checkbox"/> |
| 9.3 | Refit the spark plug | <input type="checkbox"/> |
| 9.4 | Refit the spark plug cap | <input type="checkbox"/> |
| CHECK REAR WHEEL AND TYRE | | |
| 10.1 | Elevate the rear wheel and while spinning the wheel check for any issues or damage | <input type="checkbox"/> |
| 10.2 | Check the rear tyre pressure and adjust if necessary | <input type="checkbox"/> |
| CHECK AND LUBRICATE CHAIN | | |
| 11.1 | Check chain lubrication and tension | <input type="checkbox"/> |
| 11.2 | Slack off the rear wheel axle to release tension | <input type="checkbox"/> |
| 11.3 | Adjust the chain tensioners to achieve correct chain tension | <input type="checkbox"/> |
| 11.4 | Lubricate the chain as necessary | <input type="checkbox"/> |
| 11.5 | Turn the bike around on the ramp | <input type="checkbox"/> |
| CHECK FRONT WHEEL AND TYRE | | |
| 12.1 | Elevate the front wheel and while spinning the wheel check for any issues or damage | <input type="checkbox"/> |
| 12.2 | Check the front tyre pressure and adjust if necessary | <input type="checkbox"/> |
| 12.3 | Lower and remove the jack | <input type="checkbox"/> |

| DIAGNOSTIC CHECK | | |
|-----------------------|--|--------------------------|
| 13.1 | Plug the MUTT diagnostic scanner into the diagnostic port and run an error code test | <input type="checkbox"/> |
| FINAL CHECK AND CLEAN | | |
| 14.1 | Lubricate rider footpegs with white grease or penetrating oil | <input type="checkbox"/> |
| 14.2 | Lubricate passenger footpegs with white grease or penetrating oil | <input type="checkbox"/> |
| 14.3 | Lubricate brake pedal pivot bush with white grease or penetrating oil | <input type="checkbox"/> |
| 14.4 | Clean and polish the motorcycle thoroughly | <input type="checkbox"/> |
| 14.5 | Record the service in the service book | <input type="checkbox"/> |

SERVICE INFORMATION - SECOND & THIRD SERVICE



SUMMARY

- 1. PREPARE THE MOTORCYCLE
- 2. CHECK LIGHTING SYSTEMS
- 3. CHECK ELECTRONIC HAND CONTROLS
- 4. TURN OFF THE MOTORCYCLE
- 5. DRAIN OIL
- 6. INSPECT AND CLEAN OIL STRAINER
- 7. REMOVE AND REPLACE OIL FILTER
- 8. REPLACE OIL
- 9. CLEAN AIR FILTER
- 10. CHECK SPARK PLUG
- 11. CHECK BRAKE SYSTEM
- 12. CHECK AND ADJUST CLUTCH LEVER
- 13. CHECK REAR WHEEL AND TYRE
- 14. CHECK AND LUBRICATE CHAIN
- 15. CHECK FRONT WHEEL AND TYRE
- 16. CHECK HEADRACE BEARING
- 17. DIAGNOSTIC CHECK
- 18. FINAL CHECK & CLEAN

1. PREPARE THE MOTORCYCLE

- 1.1. Place the motorcycle on the ramp and secure safely.
- 1.2. Starting and warming the motorcycle is required to thin the engine oil to make it easier to drain. Start the bike in the usual manner; make sure the bike is in neutral, pull in the clutch and make sure the side stand is up.

2. CHECK LIGHTING SYSTEMS

- 2.1. With the bike running check the lighting systems:
- 2.2. **Headlight:** Check that the headlight and sidelight bulbs are running to their full capacity.
- 2.3. **Main beam:** Check that the main beam bulb is running at full capacity when switched on. Make sure that this doesn't affect any other headlight bulbs when switched on.
- 2.4. **Front and rear indicators:** Check that all four indicators are flashing at the correct speed (60-120 FPM) and that none of the bulbs is dim or defective.
- 2.5. **Rear running light:** Check that the rear day running light is continuously running without any intermittent flashes or flickers.
- 2.6. **Brake light and front and rear actuators:** Check the rear brake light operation by placing one hand over the rear light cluster and pulling the front brake lever. Do the same again for the rear using your foot to press down the brake pedal.
- 2.7. **Number plate light:** Place your fingers underneath the light cluster checking for the bright white light.
- 2.8. If any of the above are not working or defective, consult the troubleshooting advice.

3. CHECK ELECTRONIC HAND CONTROLS

- 3.1. With the bike still running, check the electronic hand controls:
- 3.2. **Main beam flash switch:** Check if the main beam switches on/off using the yellow button on the LHS switchgear. Do this a few times, releasing the switch to check that the main beam goes off correctly.
- 3.3. **Main beam switch:** Switch the main beam switch to the on position and check if the main beam is on. Check the main beam indicator light is on.

- 3.4. **Horn button:** Press the horn button on the LHS switchgear and ensure the horn is triggered and audible.
- 3.5. **Indicator switch and cancelling operation:** Confirm the indicators operate correctly by sliding the indicator switch from right to left. Click the indicator switch entirely in to check the cancelling operation.
- 3.6. **Kill switch operation:** Move the red kill switch to the 'off' position. Restart the bike to continue warming the oil.

4. TURN OFF THE MOTORCYCLE

- 4.1. After three minutes of run time, turn the motorcycle off. Be careful around the bike once it is warmed up, particularly around the engine and exhaust, as it will now be hot.

5. DRAIN OIL

- 5.1. Use a suitable drain tub with a capacity of 1L or above. If the bike has no sump guard, move to step 5.3
- 5.2. Remove the sump guard using a 10mm socket or spanner. Undo the three 10mm bolts securing the sump guard plate in place. Keep these bolts safe. Check the anti-vibration rubber grommets fitted to the sump guard plate. Replace if torn or perished or showing other signs of wear. Worn grommets can cause severe vibration and excessive wear on the sump guard mounting points if they are not replaced. Remove the oil filler cap for better oil flow whilst draining.
- 5.3. Ensure that your oil drain tub is directly under the engine. Using a 17mm socket with an extension secured on the head of the sump plug, remove the plug by turning counter-clockwise. The sump plug is located on the triangular plate underneath the engine, directly in the middle.
CAUTION - The oil will be extremely hot - remove with care. We recommend that you wear heat-resistant rubber gloves during the draining process.
- 5.4. Clean and check the threads and washer on the sump plug. If there is any damage to either the threads or the washer, replace the sump plug. Replace the sump plug washer after a maximum of two oil changes.

SERVICE INFORMATION - SECOND & THIRD SERVICE (Cont.)



- 5.5. Visually check the oil that is draining, looking for any obvious metal particulates. If metal particulates are present, then consult the troubleshooting advice.
 - 5.6. Leave the oil to drain for approximately three minutes. Make sure the bike stays in the upright position throughout.
 - 5.7. Once the oil has drained completely, refit the sump plug, ensuring that the washer is still fitted correctly. Tighten the sump plug clockwise to 25nm f. DO NOT over-tighten the sump plug as there is a risk of stripping internal threads. Always make sure you pay attention to our torque specifications and observe the correct settings.
 - 5.8. Clean any oil residue off of the engine using brake cleaner.
- 6. INSPECT AND CLEAN OIL STRAINER**
- 6.1. Unbolt the strainer cover - this is the metal triangle that the oil sump plug threads onto. Loosen the bolts and remove being careful not to damage the O-ring.
 - 6.2. Remove the oil strainer and clean off any metal particulates by washing thoroughly with brake cleaner. If there are any unusual sized parts of metal, consult the troubleshooting advice.
 - 6.3. Once clean, reinstall the strainer and bolt the cover back on, ensuring the O-ring is still in place. Torque the bolts to 25nm in a diagonal pattern.
- 7. REMOVE AND REPLACE OIL FILTER**
- 7.1. It is essential to change the oil filter during the first service. After the break-in process, metal particulates can gather in the oil filter. This is entirely normal and indicates that the engine has bedded in correctly.
 - 7.2. Ensure that your drain tub is still underneath the motorcycle, then remove the three oil filter house nuts using a 10mm socket. Once removed, ease the oil filter housing cap away from the crankcase. Ensure you remove the cap carefully and try not to tear or damage the paper gasket or rubber O-ring. If you damage these items during this process, they will need replacement.
 - 7.3. Remove the oil filter by extracting the filter out of the filter housing. Inspect the oil filter, looking for any obvious signs of

- damage. Remember that it is normal to find metal particles, especially during the first service.
 - 7.4. Fit a new oil filter into the housing, ensuring that the oil filter is in the correct orientation.
 - 7.5. Refit the oil filter housing, ensuring the correct fitting of the o-ring and paper gasket. Tighten the three 10mm nuts to 15nm.
- 8. REPLACE OIL**
- 8.1. Remove the oil filler cap. Place a funnel in the oil fill port. Measure out 900MLs of 10w40 semi-synthetic motorcycle oil. Place the oil into the engine slowly, being careful not to spill any oil.
 - 8.2. After adding the required amount of oil, replace the oil filler cap and check for any leaks on the sump plug. Remove the drain tub and dispose of the oil accordingly.
 - 8.3. When you are confident the oil level is correct and that there are no apparent leaks, run the engine for approximately one minute to circulate the oil and refill the oil filter with clean oil. Start the motorcycle in the usual manner. Remember to run the motorcycle outside or with a ventilation system in place. Be careful of the hot engine and exhaust whilst running. If you find any leaks during the running process, turn the motorcycle off immediately. Trace the source and consult troubleshooting advice.
 - 8.4. After running for one minute, turn the motorcycle off and leave for three minutes to cool. Check the oil by looking at the oil level window making sure the bike is entirely upright. If the oil level is below the centre of the window, remove the oil filler cap and add more oil until the window is 3/4 filled. Refit the oil filler cap and clean off any residue.
 - 8.5. Refit the sump guard by bolting the sump guard plate back on to the sump guard mount. Fit the rubber grommets. Tighten the three 10mm sump guard plate bolts up to 40nm.
- 9. CLEAN AIR FILTER**
- 9.1. Gain access to the airbox by removing the airbox side cover. Remove the three screws that hold the air filter tube in place. Slide the air filter tube out of the airbox. Remove the air filter from the tube. If you have access to an air compressor with an

- airline nozzle, use it to blow the air filter clean. If you do not have a compressor, clean thoroughly in warm water, then leave to dry.
 - 9.2. Spray the air filter with air filter oil to the directions supplied by the manufacture of the product you are using. Refit the air filter by placing it back over the tube and slide it back into the airbox. Tighten the three screws to secure the air filter tube back into the airbox. Put the airbox cover back on, making sure that the rubber grommets are secured correctly.
- 9.3. CHECK SPARK PLUG**
- 9.4. Remove the spark plug cap. Use a 10mm spark plug socket to remove the spark plug, screwing counter-clockwise. Check the plug tip and side electrode. If they have turned entirely black, it can indicate a problem linked to the spark plug operation. If this is the case, see our troubleshooting advice for guidance.
 - 9.5. Using a feeler gauge, check the spark plug gap, which should be 0.7-0.8mm. If you are not happy with the spark plug's condition, then replace with a new one.
 - 9.6. Once you are happy with the spark plug's condition (or have replaced for new), you can refit. Using a 10mm spark plug socket tighten to 25nm. Once torqued to spec, give it a small nip with a ratchet to check that the crush washer is fully seated.
 - 9.7. Push the spark plug cap onto the spark plug, making sure it makes a click.
- 9.8. CHECK BRAKE SYSTEM**
- 9.9. Visually inspect the brake system, checking the following:
 - 9.10. Front and rear brake pad: visually check the condition and placement of the brake pads. Replace the pads if the wear indicator groove depth is 2mm or less, or if there is any sign of ridging on the brake pads
 - 9.11. Calliper banjo fittings: check the area around the banjo on both front and rear callipers, in particular looking for any brake fluid leaks
 - 9.12. Brake line routing and condition: check the front and rear brake lines for any excessive wear. Check thoroughly around the front mudguard bracket area as there can sometimes be excessive wear at this point if brake line routing is incorrect.

SERVICE INFORMATION - SECOND & THIRD SERVICE (Cont.)



- 9.13. Front and rear brake discs: check for any warp, sever pitting or uneven wear, checking if the rotors have any thin ridges or dips around the outer edge. Should any ridging feel abnormally deep or high, measure the discs for wear using a vernier. The minimum recommended face thickness is 3mm. Replace brake discs is they are below the recommended thickness, or there is abnormal visible damage.
- 9.14. Replace any parts where issues or damage are visible.

10. CHECK AND ADJUST CLUTCH LEVER

- 10.1. Check the free play of the clutch lever by removing the rubber cover on the clutch perch. Check the free play is at 20-25mm as recommended.
- 10.2. Adjust using the quick adjuster if necessary: crack off the lock ring and turn the adjuster counter-clockwise until you achieve the required amount of free play.
- 10.3. Slide the rubber boot back over the perch, ensuring that the lock ring is tight.

11. CHECK REAR WHEEL AND TYRE

- 11.1. Jack the rear of the motorcycle up on the ramp using the jack point. Spin the wheel looking for any nails or objects that have penetrated the tyre wall. While spinning the wheel, check the tyre tread and shape condition, looking out for any de-lamination, odd wear patterns, or sidewall bulges.
- 11.2. Check the rear tyre pressure is at the required 2.2 bar/32 psi. If the pressure is too low, re-pressurise to the required amount. If the tyre pressure has dropped dramatically, carry out a puncture test. Consult troubleshooting advice for guidance.

12. CHECK AND LUBRICATE CHAIN

- 12.1. With the wheel jacked in the air, check the tension and lubrication of the chain.
- 12.2. Slack off the rear wheel axle to release tension from the chain tensioner block.
- 12.3. Loosen the lock nut off the adjuster by a few centimetres. Rotate the adjusting bolt using the increment marks on the swingarm

as a guide. Ensuring the symmetrical movement of both left and right tensioners, check the chain tension. We recommend moving between 4-5mm. Take this measurement from the swingarm to the bottom of the chain. Tighten the adjuster lock nuts and rear axle nut. Fit the rubber axle nut cap securely.

- 12.4. To lubricate the chain, spin the wheel and spray the chain lube directly onto the chain. Remember to pay attention to the instructions of the product. Make a few passes then wipe the brake disc and tyre clean.
- 12.5. Lower the jack and turn the bike around. Always make sure the bike is secured on the ramp when doing this. With the bike in the reverse position on the ramp, jack the front wheel into the air using the jacking point.

13. CHECK FRONT WHEEL AND TYRE

- 13.1. With the front wheel jacked up into the air, spin the wheel looking for any nails or objects that may have penetrated the tyre wall. While spinning the wheel, check the tyre tread and shape condition, looking out for any de-lamination, odd wear patterns, or sidewall bulges.
- 13.2. Check the rear tyre pressure is at the required 2.2 bar/32 psi. If the pressure is too low, re-pressurise to the required amount. If the tyre pressure has dropped dramatically, carry out a puncture test. Consult troubleshooting advice for guidance.
- 13.3. Lower and remove the jack from underneath the motorcycle.

14. CHECK HEADRACE BEARING

- 14.1. Whilst the front wheel is in the air, check for any looseness or play in the headrace bearings. Turn from side to side, checking for any notching or stiffness, then leave the wheel turned to your preferred direction until it is on the steering stop. Rock the wheel back and forth. If you can feel or hear a knock, then consult our troubleshooting advice guidance. If the bearings are in good condition, you should have a smooth and consistent side to side movement and no knocking from front to rear.
- 14.2. Lower and remove the jack from underneath the motorcycle.

15. DIAGNOSTIC CHECK

- 15.1. Remove the airbox side panel and find the diagnostics port. Remove the waterproof cover and plug in the MUTT diagnostic scanner. Follow the on-screen instructions and run an error code test. Consult our P codes troubleshooting booklet for guidance for any error codes shown. Refit the waterproof diagnostics port cover and refit the side panel if the test is clear.

16. FINAL CHECK & CLEAN

- 16.1. To complete the service, final lubrication and cleaning are required. Lubricate the following parts:
- 16.2. **Rider footpegs:** lubricate with white grease or penetrating oil. Wipe off ALL overspray from the exhaust and brake pedal.
- 16.3. **Passenger footpegs:** lubricate with white grease or penetrating oil as with the rider footpegs. Wipe ALL overspray from the exhaust and brake pedal.
- 16.4. **Brake pedal pivot bush:** lubricate with white grease or penetrating oil.
- 16.5. Clean and polish the motorcycle thoroughly before returning it to the customer. We recommended using our MUTT cleaning product range for the best finish possible. Cleaning the bike is also an opportunity to check for any other issues that may need attention. Remember always to use brake cleaner to clean brake discs after using any cleaning products.
- 16.6. Stamp and sign the service booklet once the service is complete. And you're done - great work!

SERVICE INFORMATION - FOURTH & FIFTH SERVICE



SUMMARY

- 1. PREPARE THE MOTORCYCLE
- 2. CHECK LIGHTING SYSTEMS
- 3. CHECK ELECTRONIC HAND CONTROLS
- 4. TURN OFF THE MOTORCYCLE
- 5. DRAIN OIL
- 6. INSPECT AND CLEAN OIL STRAINER
- 7. REMOVE AND REPLACE OIL FILTER
- 8. REPLACE OIL
- 9. CLEAN AIR FILTER
- 10. CHECK SPARK PLUG
- 11. CHECK BRAKE SYSTEM
- 12. CHECK AND ADJUST CLUTCH LEVER
- 13. CHECK AND LUBRICATE BRAKE HOSES
- 14. CHECK REAR WHEEL AND TYRE
- 15. CHECK AND LUBRICATE CHAIN
- 16. CHECK FRONT WHEEL AND TYRE
- 17. CHECK HEADRACE BEARING
- 18. DIAGNOSTIC CHECK
- 19. FINAL CHECK & CLEAN

1. PREPARE THE MOTORCYCLE

- 1.1. Place the motorcycle on the ramp and secure safely.
- 1.2. Starting and warming the motorcycle is required to thin the engine oil to make it easier to drain. Start the bike in the usual manner; make sure the bike is in neutral, pull in the clutch and make sure the side stand is up.

2. CHECK LIGHTING SYSTEMS

- 2.1. With the bike running check the lighting systems:
- 2.2. **Headlight:** Check that the headlight and sidelight bulbs are running to their full capacity.
- 2.3. **Main beam:** Check that the main beam bulb is running at full capacity when switched on. Make sure that this doesn't affect any other headlight bulbs when switched on.
- 2.4. **Front and rear indicators:** Check that all four indicators are flashing at the correct speed (60-120 FPM) and that none of the bulbs is dim or defective.
- 2.5. **Rear running light:** Check that the rear day running light is continuously running without any intermittent flashes or flickers.
- 2.6. **Brake light and front and rear actuators:** Check the rear brake light operation by placing one hand over the rear light cluster and pulling the front brake lever. Do the same again for the rear using your foot to press down the brake pedal.
- 2.7. **Number plate light:** Place your fingers underneath the light cluster checking for the bright white light.
- 2.8. If any of the above are not working or defective, consult the troubleshooting advice.

3. CHECK ELECTRONIC HAND CONTROLS

- 3.1. With the bike still running, check the electronic hand controls:
- 3.2. **Main beam flash switch:** Check if the main beam switches on/off using the yellow button on the LHS switchgear. Do this a few times, releasing the switch to check that the main beam goes off correctly.
- 3.3. **Main beam switch:** Switch the main beam switch to the on position and check if the main beam is on. Check the main beam indicator light is on.

- 3.4. **Horn button:** Press the horn button on the LHS switchgear and ensure the horn is triggered and audible.
- 3.5. **Indicator switch and cancelling operation:** Confirm the indicators operate correctly by sliding the indicator switch from right to left. Click the indicator switch entirely in to check the cancelling operation.
- 3.6. **Kill switch operation:** Move the red kill switch to the 'off' position. Restart the bike to continue warming the oil.

4. TURN OFF THE MOTORCYCLE

- 4.1. After three minutes of run time, turn the motorcycle off. Be careful around the bike once it is warmed up, particularly around the engine and exhaust, as it will now be hot.

5. DRAIN OIL

- 5.1. Use a suitable drain tub with a capacity of 1L or above. If the bike has no sump guard, move to step 5.3
- 5.2. Remove the sump guard using a 10mm socket or spanner. Undo the three 10mm bolts securing the sump guard plate in place. Keep these bolts safe. Check the anti-vibration rubber grommets fitted to the sump guard plate. Replace if torn or perished or showing other signs of wear. Worn grommets can cause severe vibration and excessive wear on the sump guard mounting points if they are not replaced. Remove the oil filler cap for better oil flow whilst draining.
- 5.3. Ensure that your oil drain tub is directly under the engine. Using a 17mm socket with an extension secured on the head of the sump plug, remove the plug by turning counter-clockwise. The sump plug is located on the triangular plate underneath the engine, directly in the middle.
CAUTION - The oil will be extremely hot - remove with care. We recommend that you wear heat-resistant rubber gloves during the draining process.
- 5.4. Clean and check the threads and washer on the sump plug. If there is any damage to either the threads or the washer, replace the sump plug. Replace the sump plug washer after a maximum of two oil changes.

SERVICE INFORMATION - FOURTH & FIFTH SERVICE (Cont.)



- 5.5. Visually check the oil that is draining, looking for any obvious metal particulates. If metal particulates are present, then consult the troubleshooting advice.
 - 5.6. Leave the oil to drain for approximately three minutes. Make sure the bike stays in the upright position throughout.
 - 5.7. Once the oil has drained completely, refit the sump plug, ensuring that the washer is still fitted correctly. Tighten the sump plug clockwise to 25nm f. DO NOT over-tighten the sump plug as there is a risk of stripping internal threads. Always make sure you pay attention to our torque specifications and observe the correct settings.
 - 5.8. Clean any oil residue off of the engine using brake cleaner.
- 6. INSPECT AND CLEAN OIL STRAINER**
- 6.1. Unbolt the strainer cover - this is the metal triangle that the oil sump plug threads onto. Loosen the bolts and remove being careful not to damage the O-ring.
 - 6.2. Remove the oil strainer and clean off any metal particulates by washing thoroughly with brake cleaner. If there are any unusual sized parts of metal, consult the troubleshooting advice.
 - 6.3. Once clean, reinstall the strainer and bolt the cover back on, ensuring the O-ring is still in place. Torque the bolts to 25nm in a diagonal pattern.
- 7. REMOVE AND REPLACE OIL FILTER**
- 7.1. It is essential to change the oil filter during the first service. After the break-in process, metal particulates can gather in the oil filter. This is entirely normal and indicates that the engine has bedded in correctly.
 - 7.2. Ensure that your drain tub is still underneath the motorcycle, then remove the three oil filter house nuts using a 10mm socket. Once removed, ease the oil filter housing cap away from the crankcase. Ensure you remove the cap carefully and try not to tear or damage the paper gasket or rubber O-ring. If you damage these items during this process, they will need replacement.
 - 7.3. Remove the oil filter by extracting the filter out of the filter housing. Inspect the oil filter, looking for any obvious signs of

- damage. Remember that it is normal to find metal particles, especially during the first service.
 - 7.4. Fit a new oil filter into the housing, ensuring that the oil filter is in the correct orientation.
 - 7.5. Refit the oil filter housing, ensuring the correct fitting of the o-ring and paper gasket. Tighten the three 10mm nuts to 15nm.
- 8. REPLACE OIL**
- 8.1. Remove the oil filler cap. Place a funnel in the oil fill port. Measure out 900MLs of 10w40 semi-synthetic motorcycle oil. Place the oil into the engine slowly, being careful not to spill any oil.
 - 8.2. After adding the required amount of oil, replace the oil filler cap and check for any leaks on the sump plug. Remove the drain tub and dispose of the oil accordingly.
 - 8.3. When you are confident the oil level is correct and that there are no apparent leaks, run the engine for approximately one minute to circulate the oil and refill the oil filter with clean oil. Start the motorcycle in the usual manner. Remember to run the motorcycle outside or with a ventilation system in place. Be careful of the hot engine and exhaust whilst running. If you find any leaks during the running process, turn the motorcycle off immediately. Trace the source and consult troubleshooting advice.
 - 8.4. After running for one minute, turn the motorcycle off and leave for three minutes to cool. Check the oil by looking at the oil level window making sure the bike is entirely upright. If the oil level is below the centre of the window, remove the oil filler cap and add more oil until the window is 3/4 filled. Refit the oil filler cap and clean off any residue.
 - 8.5. Refit the sump guard by bolting the sump guard plate back on to the sump guard mount. Fit the rubber grommets. Tighten the three 10mm sump guard plate bolts up to 40nm.
- 9. CLEAN AIR FILTER**
- 9.1. Gain access to the airbox by removing the airbox side cover. Remove the three screws that hold the air filter tube in place. Slide the air filter tube out of the airbox. Remove the air filter from the tube. If you have access to an air compressor with an

- airline nozzle, use it to blow the air filter clean. If you do not have a compressor, clean thoroughly in warm water, then leave to dry.
 - 9.2. Spray the air filter with air filter oil to the directions supplied by the manufacture of the product you are using. Refit the air filter by placing it back over the tube and slide it back into the airbox. Tighten the three screws to secure the air filter tube back into the airbox. Put the airbox cover back on, making sure that the rubber grommets are secured correctly.
- 9.3. CHECK SPARK PLUG**
- 9.4. Remove the spark plug cap. Use a 10mm spark plug socket to remove the spark plug, screwing counter-clockwise. Check the plug tip and side electrode. If they have turned entirely black, it can indicate a problem linked to the spark plug operation. If this is the case, see our troubleshooting advice for guidance.
 - 9.5. Using a feeler gauge, check the spark plug gap, which should be 0.7-0.8mm. If you are not happy with the spark plug's condition, then replace with a new one.
 - 9.6. Once you are happy with the spark plug's condition (or have replaced for new), you can refit. Using a 10mm spark plug socket tighten to 25nm. Once torqued to spec, give it a small nip with a ratchet to check that the crush washer is fully seated.
 - 9.7. Push the spark plug cap onto the spark plug, making sure it makes a click.
- 9.8. CHECK BRAKE SYSTEM**
- 9.9. Visually inspect the brake system, checking the following:
 - 9.10. Front and rear brake pad: visually check the condition and placement of the brake pads. Replace the pads if the wear indicator groove depth is 2mm or less, or if there is any sign of ridging on the brake pads
 - 9.11. Calliper banjo fittings: check the area around the banjo on both front and rear callipers, in particular looking for any brake fluid leaks
 - 9.12. Brake line routing and condition: check the front and rear brake lines for any excessive wear. Check thoroughly around the front mudguard bracket area as there can sometimes be excessive wear at this point if brake line routing is incorrect.

SERVICE INFORMATION - FOURTH & FIFTH SERVICE (Cont.)



- 9.13. Front and rear brake discs: check for any warp, sever pitting or uneven wear, checking if the rotors have any thin ridges or dips around the outer edge. Should any ridging feel abnormally deep or high, measure the discs for wear using a vernier. The minimum recommended face thickness is 3mm. Replace brake discs if they are below the recommended thickness, or there is abnormal visible damage.
- 9.14. Replace any parts where issues or damage are visible.

10. CHECK AND ADJUST CLUTCH LEVER

- 10.1. Check the free play of the clutch lever by removing the rubber cover on the clutch perch. Check the free play is at 20-25mm as recommended.
- 10.2. Adjust using the quick adjuster if necessary: crack off the lock ring and turn the adjuster counter-clockwise until you achieve the required amount of free play.
- 10.3. Slide the rubber boot back over the perch, ensuring that the lock ring is tight.

11. CHECK AND LUBRICATE BRAKE HOSES

- 11.1. Introduce a small amount of synthetic grease at the lever end of any outer brake and gear cable runs. Thread the inner cable in to force the lubricant through the pipe. Wipe off any excess as the inner-wire emerges.
- CAUTION:** Ensure to use synthetic lubricants, **not** mineral oil or grease. Mineral products may degrade the outer brake hose or gear cable's plastic lining, impacting effective operation.

12. CHECK REAR WHEEL AND TYRE

- 12.1. Jack the rear of the motorcycle up on the ramp using the jack point. Spin the wheel looking for any nails or objects that have penetrated the tyre wall. While spinning the wheel, check the tyre tread and shape condition, looking out for any de-lamination, odd wear patterns, or sidewall bulges.
- 12.2. Check the rear tyre pressure is at the required 2.2 bar/32 psi. If the pressure is too low, re-pressurise to the required amount. If the tyre pressure has dropped dramatically, carry out a puncture test.

Consult troubleshooting advice for guidance.

13. CHECK AND LUBRICATE CHAIN

- 13.1. With the wheel jacked in the air, check the tension and lubrication of the chain.
- 13.2. Slack off the rear wheel axle to release tension from the chain tensioner block.
- 13.3. Loosen the lock nut off the adjuster by a few centimetres. Rotate the adjusting bolt using the increment marks on the swingarm as a guide. Ensuring the symmetrical movement of both left and right tensioners, check the chain tension. We recommend moving between 4-5mm. Take this measurement from the swingarm to the bottom of the chain. Tighten the adjuster lock nuts and rear axle nut. Fit the rubber axle nut cap securely.
- 13.4. To lubricate the chain, spin the wheel and spray the chain lube directly onto the chain. Remember to pay attention to the instructions of the product. Make a few passes then wipe the brake disc and tyre clean.
- 13.5. Lower the jack and turn the bike around. Always make sure the bike is secured on the ramp when doing this. With the bike in the reverse position on the ramp, jack the front wheel into the air using the jacking point.

14. CHECK FRONT WHEEL AND TYRE

- 14.1. With the front wheel jacked up into the air, spin the wheel looking for any nails or objects that may have penetrated the tyre wall. While spinning the wheel, check the tyre tread and shape condition, looking out for any de-lamination, odd wear patterns, or sidewall bulges.
- 14.2. Check the rear tyre pressure is at the required 2.2 bar/32 psi. If the pressure is too low, re-pressurise to the required amount. If the tyre pressure has dropped dramatically, carry out a puncture test. Consult troubleshooting advice for guidance.
- 14.3. Lower and remove the jack from underneath the motorcycle.

15. CHECK HEADRACE BEARING

- 15.1. Whilst the front wheel is in the air, check for any looseness or play in the headrace bearings. Turn from side to side, checking for any notching or stiffness, then leave the wheel turned to your preferred direction until it is on the steering stop. Rock the wheel back and forth. If you can feel or hear a knock, then consult our troubleshooting advice guidance. If the bearings are in good condition, you should have a smooth and consistent side to side movement and no knocking from front to rear.
- 15.2. Lower and remove the jack from underneath the motorcycle.

16. DIAGNOSTIC CHECK

- 16.1. Remove the airbox side panel and find the diagnostics port. Remove the waterproof cover and plug in the MUTT diagnostic scanner. Follow the on-screen instructions and run an error code test. Consult our P codes troubleshooting booklet for guidance for any error codes shown. Refit the waterproof diagnostics port cover and refit the side panel if the test is clear.

17. FINAL CHECK & CLEAN

- 17.1. To complete the service, final lubrication and cleaning are required. Lubricate the following parts:
- 17.2. **Rider footpegs:** lubricate with white grease or penetrating oil. Wipe off ALL overspray from the exhaust and brake pedal.
- 17.3. **Passenger footpegs:** lubricate with white grease or penetrating oil as with the rider footpegs. Wipe ALL overspray from the exhaust and brake pedal.
- 17.4. **Brake pedal pivot bush:** lubricate with white grease or penetrating oil.
- 17.5. Clean and polish the motorcycle thoroughly before returning it to the customer. We recommended using our MUTT cleaning product range for the best finish possible. Cleaning the bike is also an opportunity to check for any other issues that may need attention. Remember always to use brake cleaner to clean brake discs after using any cleaning products.
- 17.6. Stamp and sign the service booklet once the service is complete. And you're done - great work!

SERVICE INFORMATION - SIXTH SERVICE ONWARDS



SUMMARY

- 1. PREPARE THE MOTORCYCLE
- 2. CHECK LIGHTING SYSTEMS
- 3. CHECK ELECTRONIC HAND CONTROLS
- 4. TURN OFF THE MOTORCYCLE
- 5. DRAIN OIL
- 6. INSPECT AND CLEAN OIL STRAINER
- 7. REMOVE AND REPLACE OIL FILTER
- 8. REPLACE OIL
- 9. CLEAN AIR FILTER
- 10. CHECK SPARK PLUG
- 11. CHECK BRAKE SYSTEM
- 12. CHECK AND ADJUST CLUTCH LEVER
- 13. CHECK AND LUBRICATE BRAKE HOSES
- 14. CHECK REAR WHEEL AND TYRE
- 15. CHECK SWINGARM ROLLER BEARINGS
- 16. CHECK AND LUBRICATE CHAIN
- 17. CHECK FRONT WHEEL AND TYRE
- 18. CHECK HEADRACE BEARING
- 19. CHECK TAPPET, VALVE CLEARANCES AND PERFORM COMPRESSION TEST
- 20. DIAGNOSTIC CHECK
- 21. FINAL CHECK & CLEAN

1. PREPARE THE MOTORCYCLE

- 1.1. Place the motorcycle on the ramp and secure safely.
- 1.2. Starting and warming the motorcycle is required to thin the engine oil to make it easier to drain. Start the bike in the usual manner; make sure the bike is in neutral, pull in the clutch and make sure the side stand is up.

2. CHECK LIGHTING SYSTEMS

- 2.1. With the bike running check the lighting systems:
- 2.2. **Headlight:** Check that the headlight and sidelight bulbs are running to their full capacity.
- 2.3. **Main beam:** Check that the main beam bulb is running at full capacity when switched on. Make sure that this doesn't affect any other headlight bulbs when switched on.
- 2.4. **Front and rear indicators:** Check that all four indicators are flashing at the correct speed (60-120 FPM) and that none of the bulbs is dim or defective.
- 2.5. **Rear running light:** Check that the rear day running light is continuously running without any intermittent flashes or flickers.
- 2.6. **Brake light and front and rear actuators:** Check the rear brake light operation by placing one hand over the rear light cluster and pulling the front brake lever. Do the same again for the rear using your foot to press down the brake pedal.
- 2.7. **Number plate light:** Place your fingers underneath the light cluster checking for the bright white light.
- 2.8. If any of the above are not working or defective, consult the troubleshooting advice.

3. CHECK ELECTRONIC HAND CONTROLS

- 3.1. With the bike still running, check the electronic hand controls:
- 3.2. **Main beam flash switch:** Check if the main beam switches on/off using the yellow button on the LHS switchgear. Do this a few times, releasing the switch to check that the main beam goes off correctly.
- 3.3. **Main beam switch:** Switch the main beam switch to the on position and check if the main beam is on. Check the main beam indicator light is on.

- 3.4. **Horn button:** Press the horn button on the LHS switchgear and ensure the horn is triggered and audible.
- 3.5. **Indicator switch and cancelling operation:** Confirm the indicators operate correctly by sliding the indicator switch from right to left. Click the indicator switch entirely in to check the cancelling operation.
- 3.6. **Kill switch operation:** Move the red kill switch to the 'off' position. Restart the bike to continue warming the oil.

4. TURN OFF THE MOTORCYCLE

- 4.1. After three minutes of run time, turn the motorcycle off. Be careful around the bike once it is warmed up, particularly around the engine and exhaust, as it will now be hot.

5. DRAIN OIL

- 5.1. Use a suitable drain tub with a capacity of 1L or above. If the bike has no sump guard, move to step 5.3
- 5.2. Remove the sump guard using a 10mm socket or spanner. Undo the three 10mm bolts securing the sump guard plate in place. Keep these bolts safe. Check the anti-vibration rubber grommets fitted to the sump guard plate. Replace if torn or perished or showing other signs of wear. Worn grommets can cause severe vibration and excessive wear on the sump guard mounting points if they are not replaced. Remove the oil filler cap for better oil flow whilst draining.
- 5.3. Ensure that your oil drain tub is directly under the engine. Using a 17mm socket with an extension secured on the head of the sump plug, remove the plug by turning counter-clockwise. The sump plug is located on the triangular plate underneath the engine, directly in the middle.
CAUTION - The oil will be extremely hot - remove with care. We recommend that you wear heat-resistant rubber gloves during the draining process.
- 5.4. Clean and check the threads and washer on the sump plug. If there is any damage to either the threads or the washer, replace the sump plug. Replace the sump plug washer after a maximum of two oil changes.

SERVICE INFORMATION - SIXTH SERVICE ONWARDS (Cont.)



- 5.5. Visually check the oil that is draining, looking for any obvious metal particulates. If metal particulates are present, then consult the troubleshooting advice.
 - 5.6. Leave the oil to drain for approximately three minutes. Make sure the bike stays in the upright position throughout.
 - 5.7. Once the oil has drained completely, refit the sump plug, ensuring that the washer is still fitted correctly. Tighten the sump plug clockwise to 25nm f. DO NOT over-tighten the sump plug as there is a risk of stripping internal threads. Always make sure you pay attention to our torque specifications and observe the correct settings.
 - 5.8. Clean any oil residue off of the engine using brake cleaner.
- 6. INSPECT AND CLEAN OIL STRAINER**
- 6.1. Unbolt the strainer cover - this is the metal triangle that the oil sump plug threads onto. Loosen the bolts and remove being careful not to damage the O-ring.
 - 6.2. Remove the oil strainer and clean off any metal particulates by washing thoroughly with brake cleaner. If there are any unusual sized parts of metal, consult the troubleshooting advice.
 - 6.3. Once clean, reinstall the strainer and bolt the cover back on, ensuring the O-ring is still in place. Torque the bolts to 25nm in a diagonal pattern.
- 7. REMOVE AND REPLACE OIL FILTER**
- 7.1. It is essential to change the oil filter during the first service. After the break-in process, metal particulates can gather in the oil filter. This is entirely normal and indicates that the engine has bedded in correctly.
 - 7.2. Ensure that your drain tub is still underneath the motorcycle, then remove the three oil filter house nuts using a 10mm socket. Once removed, ease the oil filter housing cap away from the crankcase. Ensure you remove the cap carefully and try not to tear or damage the paper gasket or rubber O-ring. If you damage these items during this process, they will need replacement.
 - 7.3. Remove the oil filter by extracting the filter out of the filter housing. Inspect the oil filter, looking for any obvious signs of

- damage. Remember that it is normal to find metal particles, especially during the first service.
 - 7.4. Fit a new oil filter into the housing, ensuring that the oil filter is in the correct orientation.
 - 7.5. Refit the oil filter housing, ensuring the correct fitting of the o-ring and paper gasket. Tighten the three 10mm nuts to 15nm.
- 8. REPLACE OIL**
- 8.1. Remove the oil filler cap. Place a funnel in the oil fill port. Measure out 900MLs of 10w40 semi-synthetic motorcycle oil. Place the oil into the engine slowly, being careful not to spill any oil.
 - 8.2. After adding the required amount of oil, replace the oil filler cap and check for any leaks on the sump plug. Remove the drain tub and dispose of the oil accordingly.
 - 8.3. When you are confident the oil level is correct and that there are no apparent leaks, run the engine for approximately one minute to circulate the oil and refill the oil filter with clean oil. Start the motorcycle in the usual manner. Remember to run the motorcycle outside or with a ventilation system in place. Be careful of the hot engine and exhaust whilst running. If you find any leaks during the running process, turn the motorcycle off immediately. Trace the source and consult troubleshooting advice.
 - 8.4. After running for one minute, turn the motorcycle off and leave for three minutes to cool. Check the oil by looking at the oil level window making sure the bike is entirely upright. If the oil level is below the centre of the window, remove the oil filler cap and add more oil until the window is 3/4 filled. Refit the oil filler cap and clean off any residue.
 - 8.5. Refit the sump guard by bolting the sump guard plate back on to the sump guard mount. Fit the rubber grommets. Tighten the three 10mm sump guard plate bolts up to 40nm.
- 9. CLEAN AIR FILTER**
- 9.1. Gain access to the airbox by removing the airbox side cover. Remove the three screws that hold the air filter tube in place. Slide the air filter tube out of the airbox. Remove the air filter from the tube. If you have access to an air compressor with an

- airline nozzle, use it to blow the air filter clean. If you do not have a compressor, clean thoroughly in warm water, then leave to dry.
 - 9.2. Spray the air filter with air filter oil to the directions supplied by the manufacture of the product you are using. Refit the air filter by placing it back over the tube and slide it back into the airbox. Tighten the three screws to secure the air filter tube back into the airbox. Put the airbox cover back on, making sure that the rubber grommets are secured correctly.
- 10. CHECK SPARK PLUG**
- 10.1. Remove the spark plug cap. Use a 10mm spark plug socket to remove the spark plug, screwing counter-clockwise. Check the plug tip and side electrode. If they have turned entirely black, it can indicate a problem linked to the spark plug operation. If this is the case, see our troubleshooting advice for guidance.
 - 10.2. Using a feeler gauge, check the spark plug gap, which should be 0.7-0.8mm. If you are not happy with the spark plug's condition, then replace with a new one.
 - 10.3. Once you are happy with the spark plug's condition (or have replaced for new), you can refit. Using a 10mm spark plug socket tighten to 25nm. Once torqued to spec, give it a small nip with a ratchet to check that the crush washer is fully seated.
 - 10.4. Push the spark plug cap onto the spark plug, making sure it makes a click.
- 10.5. CHECK BRAKE SYSTEM**
- 10.6. Visually inspect the brake system, checking the following:
 - 10.7. Front and rear brake pad: visually check the condition and placement of the brake pads. Replace the pads if the wear indicator groove depth is 2mm or less, or if there is any sign of ridging on the brake pads
 - 10.8. Calliper banjo fittings: check the area around the banjo on both front and rear callipers, in particular looking for any brake fluid leaks
 - 10.9. Brake line routing and condition: check the front and rear brake lines for any excessive wear. Check thoroughly around the front mudguard bracket area as there can sometimes be excessive wear at this point if brake line routing is incorrect.

SERVICE INFORMATION - SIXTH SERVICE ONWARDS (Cont.)



- 10.10. Front and rear brake discs: check for any warp, sever pitting or uneven wear, checking if the rotors have any thin ridges or dips around the outer edge. Should any ridging feel abnormally deep or high, measure the discs for wear using a vernier. The minimum recommended face thickness is 3mm. Replace brake discs is they are below the recommended thickness, or there is abnormal visible damage.
- 10.11. Replace any parts where issues or damage are visible.
11. CHECK AND ADJUST CLUTCH LEVER
- 11.1. Check the free play of the clutch lever by removing the rubber cover on the clutch perch. Check the free play is at 20-25mm as recommended.
- 11.2. Adjust using the quick adjuster if necessary: crack off the lock ring and turn the adjuster counter-clockwise until you achieve the required amount of free play.
- 11.3. Slide the rubber boot back over the perch, ensuring that the lock ring is tight.
12. CHECK AND LUBRICATE BRAKE HOSES
- 12.1. Introduce a small amount of synthetic grease at the lever end of any outer brake and gear cable runs. Thread the inner cable in to force the lubricant through the pipe. Wipe off any excess as the inner-wire emerges.
CAUTION: Ensure to use synthetic lubricants, **not** mineral oil or grease. Mineral products may degrade the outer brake hose or gear cable's plastic lining, impacting effective operation.
13. CHECK REAR WHEEL AND TYRE
- 13.1. Jack the rear of the motorcycle up on the ramp using the jack point. Spin the wheel looking for any nails or objects that have penetrated the tyre wall. While spinning the wheel, check the tyre tread and shape condition, looking out for any de-lamination, odd wear patterns, or sidewall bulges.
- 13.2. Check the rear tyre pressure is at the required 2.2 bar/32 psi. If the pressure is too low, re-pressurise to the required amount. If the tyre pressure has dropped dramatically, carry out a puncture test.

- Consult troubleshooting advice for guidance.
14. CHECK SWINGARM ROLLER BEARINGS
- 14.1. Jack the rear of the motorcycle up enough that the rear wheel has cleared the ramp surface. Rock the swingarm. Follow our troubleshooting advice if you feel any free play or excessive movement.
- 14.2. Test the lateral play by gently lifting the rear wheel using a pry bar. If you feel excessive movement or free play this can be a sign of failed swingarm bearings or failed shock bushings. Check and replace the bearings or bushings as required.
15. CHECK AND LUBRICATE CHAIN
- 15.1. With the wheel jacked in the air, check the tension and lubrication of the chain.
- 15.2. Slack off the rear wheel axle to release tension from the chain tensioner block.
- 15.3. Loosen the lock nut off the adjuster by a few centimetres. Rotate the adjusting bolt using the increment marks on the swingarm as a guide. Ensuring the symmetrical movement of both left and right tensioners, check the chain tension. We recommend moving between 4-5mm. Take this measurement from the swingarm to the bottom of the chain. Tighten the adjuster lock nuts and rear axle nut. Fit the rubber axle nut cap securely.
- 15.4. To lubricate the chain, spin the wheel and spray the chain lube directly onto the chain. Remember to pay attention to the instructions of the product. Make a few passes then wipe the brake disc and tyre clean.
- 15.5. Lower the jack and turn the bike around. Always make sure the bike is secured on the ramp when doing this. With the bike in the reverse position on the ramp, jack the front wheel into the air using the jacking point.
16. CHECK FRONT WHEEL AND TYRE
- 16.1. With the front wheel jacked up into the air, spin the wheel looking for any nails or objects that may have penetrated the tyre wall. While spinning the wheel, check the tyre tread and shape

- condition, looking out for any de-lamination, odd wear patterns, or sidewall bulges.
- 16.2. Check the rear tyre pressure is at the required 2.2 bar/32 psi. If the pressure is too low, re-pressurise to the required amount. If the tyre pressure has dropped dramatically, carry out a puncture test. Consult troubleshooting advice for guidance.
- 16.3. Lower and remove the jack from underneath the motorcycle.
17. CHECK HEADRACE BEARING
- 17.1. Whilst the front wheel is in the air, check for any looseness or play in the headrace bearings. Turn from side to side, checking for any notching or stiffness, then leave the wheel turned to your preferred direction until it is on the steering stop. Rock the wheel back and forth. If you can feel or hear a knock, then consult our troubleshooting advice guidance. If the bearings are in good condition, you should have a smooth and consistent side to side movement and no knocking from front to rear.
- 17.2. Lower and remove the jack from underneath the motorcycle.
18. CHECK TAPPET, VALVE CLEARANCES AND PERFORM COMPRESSION TEST
- CAUTION:** PLEASE ENSURE YOU HAVE THE CORRECT TOOLS AND KNOWLEDGE BEFORE CARRYING OUT THIS PROCEDURE.
- 18.1. Excessive valve clearance may result in excessive valve noise, valve damage and reduced power. Firstly remove the spark plug, and valve inspection caps. Then, remove the generator cover cap and rotate the generator rotor counter-clockwise to align the line on the rotor with the centre arrow mark of the hole on the crankcase to set the piston Top Dead Centre (TDC) on the compression stroke. Check by looking inside the spark plug hole to see if the piston is in the TDC position.
- 18.2. IMPORTANT: Check valve clearance only when the engine is cold. Check and adjust both the intake and exhaust valve when the piston is at TDC of the compression stroke.
- 18.3. To check valve clearances, remove the tappet cover inspection ports. Make sure that both valves are loose and are not under

SERVICE INFORMATION - SIXTH SERVICE ONWARDS (Cont.)



tension from the camshaft. Then, insert the thickness feeler gauges to the valve stem end and the adjusting screw on the rocker arm. If the clearance is off the specification, bring it into the specified range, shown below.

| ENGINE | IN | EX |
|--------|-----------------|-----------------|
| 125cc | 0.08 - 0.13mm | 0.08 - 0.13mm |
| 250cc | 0.05mm - 0.07mm | 0.09mm - 0.11mm |

18.4. Perform a compression test to determine whether the engine is generating adequate pressure needed for combustion. Fit the compression tester to a cylinder as per the instructions of your tool. We recommend using a dab of grease or Vaseline to lubricate the threads and O-ring on the adapter to help prolong O-ring life and give a more precise reading. Hold the throttle completely open then using the starter button, turn the motorcycle over until the needle stops climbing the gauge, usually after 3-4 rotations. Record the result and compare to the specifications provided.

19. DIAGNOSTIC CHECK

19.1. Remove the airbox side panel and find the diagnostics port. Remove the waterproof cover and plug in the MUTT diagnostic scanner. Follow the on-screen instructions and run an error code test. Consult our P codes troubleshooting booklet for guidance for any error codes shown. Refit the waterproof diagnostics port cover and refit the side panel if the test is clear.

20. FINAL CHECK & CLEAN

20.1. To complete the service, final lubrication and cleaning are required. Lubricate the following parts:

20.2. **Rider footpegs:** lubricate with white grease or penetrating oil. Wipe off ALL overspray from the exhaust and brake pedal.

20.3. **Passenger footpegs:** lubricate with white grease or penetrating oil as with the rider footpegs. Wipe ALL overspray from the exhaust

and brake pedal.

- 20.4. **Brake pedal pivot bush:** lubricate with white grease or penetrating oil.
- 20.5. Clean and polish the motorcycle thoroughly before returning it to the customer. We recommended using our MUTT cleaning product range for the best finish possible. Cleaning the bike is also an opportunity to check for any other issues that may need attention. Remember always to use brake cleaner to clean brake discs after using any cleaning products.
- 20.6. Stamp and sign the service booklet once the service is complete. And you're done - great work!

TROUBLESHOOTING - GENERAL INFORMATION



General maintenance tools and instruments

The following tools are required for diagnosis and checking purposes.

- Multimeter
- Fuel pressure gauge
- MUTT diagnostic scanner

Replacement parts

Always use MUTT specific parts for any maintenance or replacement; otherwise, we cannot guarantee the correct operation of the EFI system.

General EFI system maintenance information

Only a suitably qualified and trained technician should undertake disassembly or removal of EFI system components.

During maintenance, ensure gentle handling of electronic components (the ECU, sensors, etc.) to prevent damage.

Disconnecting and connecting wiring plugs or the ECU while the engine is on or running can cause significant, irreparable damage to components. Always ensure that the bike is off before disconnecting or reconnecting electronic components.

Even while the engine is off, fuel in the system is still pressurised. Due to fuel being under high pressure in the fuel pipe, do not undertake the fuel pipe’s disassembly during routine maintenance. If work on the fuel system is necessary, ensure pressure release before any fuel pipe disassembly.

To release fuel pressure, remove the fuel pump relay (or remove the fuel pump plug), start the engine and idle until it stops. After completing maintenance, to bring the fuel back to the correct pressure, switch the ignition on and leave for a short while. Only suitably qualified, trained technicians should conduct disassembly and replacement of the fuel pipe in a well-ventilated area, away from any equipment that may ignite fuel or fuel vapour.

Never operate the fuel pump without fuel, as it will lead to significant damage, including burnout. Always ensure correct connection of positive and negative electrical connections to the fuel pump. Failure to do so will lead to damage.

When removing the fuel pump from the fuel tank, first disconnect the wiring plug to ensure that electrical current cannot ignite fuel.

When inspecting the ignition system, spark plug testing should be conducted **only** if necessary and should be as short as possible. Do not open the throttle valve during testing; otherwise, a large amount of unburned fuel will enter exhaust pipe, damaging the catalytic converter.

If a spark test is required, disconnect the wiring plug for the fuel injector.

Manual regulation of idling is unnecessary, as the EFI system manages this. Note the limit screw for the throttle is set during manufacture, and therefore should not be adjusted in any way.

Ensure complete disconnection of the battery and the ECU before undertaking any welding work on the bike.

ELECTRONIC FUEL INJECTION (EFI) SYSTEM

Temperature sensor

The temperature sensor provides the engine with a temperature signal to ensure correct ignition angle and fuel injection quantity during start-up, idling and normal operation. When the engine temperature is low, the sensor ensures that the fuel quantity increases.

Oxygen sensor

The oxygen sensor sends measurements of the amount of oxygen flowing into the intake. The sensor outputs a voltage to the ECU, which adjusts the fuel-to-air ratio for correct performance. Voltage decreases when oxygen concentration is high and increases when oxygen concentration is low.

Rotation speed sensor (trigger coil, crank position)

The rotation speed sensor generates and sends an ignition signal to the ECU; according to the signal, the ECU calculates and determines injection and ignition time. There is an installation clearance requirement of between 0.4 to 0.9 mm.

Fuel pump assembly

The fuel pump assembly, which sits in the fuel tank, consists of the fuel pump, the pressure regulating valve, and the fuel pump support. By controlling the power supply, the ECU manages the fuel pump action to provide the fuel injector with fuel at high pressure. The pressure regulating valve regulates the fuel pressure from the pump at 2.5MPa, ensuring delivery to the fuel injector at a stable pressure.

Fuel injector

The fuel injector delivers fuel from the fuel pump via gravity and injects pressurized fuel into the air inlet pipe.

The ECU controls the pressure piston, managing delivery of the necessary amount of fuel at optimal timing during engine operation.

TROUBLESHOOTING - FAULT DIAGNOSIS - GENERAL



ENGINE START FAILURE

Before checking the EFI system, first check for other common issues that may prevent engine start:

- Check if the fuel tank is filled with fuel (but is not overfilled)
- Check that the battery is properly charged
- Check if the main fuse (behind right side panel next to the battery) needs replacing
- Check that the starter works when you press the starter button (spark test)

If excessive fuel has been added to the fuel tank, follow the steps outlined below. Ensure the bike is in neutral before conducting.

- Switch on the ignition and allow the fuel pump to prime.
- Keep the throttle fully opened and press the electric start simultaneously for 5 seconds to remove excess fuel.

If all of the above checks show no issues, investigation of the EFI system is required. Engine start failure is generally caused by faults with the following parts:

| | | | |
|-----------------------|--------------------|---------------|---------------|
| Rotation speed sensor | Fuel pump assembly | Fuel injector | Ignition coil |
|-----------------------|--------------------|---------------|---------------|

Failure of the following parts will result in the engine operating using standard ECU preset operating values:

| | | | |
|-----------------------------------|--------------------------|----------------------------------|---------------|
| Air temperature (pressure) sensor | Throttle position sensor | Cylinder wall temperature sensor | Oxygen sensor |
|-----------------------------------|--------------------------|----------------------------------|---------------|

Undertake initial diagnosis using the fault indicator light or a MUTT diagnostic scanner. Check fault codes against the fault code table, and perform the required test to check parts, following the disassembly and testing requirements outlined.

If after checking the fault indicator light or diagnostic scanner, no fault can be identified, conduct a fault diagnosis using the steps in the table.

| Fault | Possible Cause | Check | Fix |
|--|---|---|--|
| Engine does not start, or starts and immediately cuts out - no fuel from fuel pump. | No fuel | Open ignition switch and check fuel level gauge, or check the fuel level in the tank | Refuel |
| | Faulty/damaged fuel pump | Check fuel pump | Replace fuel pump |
| | No voltage to fuel pump | Check fuse and power relay | Replace damaged parts |
| | Poor contact on fuel pump plug | Check the fuel pump plug contact | Ensure correct contact |
| Engine does not start, or starts and immediately cuts out - fuel pump and ignition are working | Low fuel pressure and low ignition voltage caused by low battery charge | Use a multimeter to measure the battery voltage | Charge or replace battery |
| | Excess carbon build up or incorrect clearance of the spark plug | Remove and check spark plug for carbon deposits, and check clearance | Clean spark plug and adjust to correct clearance |
| | Fuel leak causes low fuel pressure | Check fuel pipe for leaks | Replace the fuel pipe, or tighten the fuel pipe clamp |
| Unstable idling | Low fuel pressure | Check fuel pressure using fuel pressure gauge connected between the fuel pump and the fuel injector | Check for issues that may be causing low fuel pressure |
| | Air leak at air idle sensor/motor | Spray with leak test liquid while the engine is running | Check and tighten the step motor |
| | Leak at valve and flange assembly | Spray with leak test liquid while the engine is running | Check and repair assembly |
| Excessively high idling | Step motor is stuck | Check stepping motor for debris or fault | Remove debris or replace |
| Insufficient power | Low fuel pressure | Check fuel pressure using fuel pressure gauge connected between the fuel pump and the fuel injector | Check for issues that may be causing low fuel pressure |

TROUBLESHOOTING - FAULT DIAGNOSIS - FAULT CODES



| Fault Code | Part Name | Part Code | Fault Description | Check | Fault Indication | Parameters | Verification Test |
|------------|-----------------------------------|---------------------|----------------------------|--|---|---------------|--------------------------------------|
| P0107 | MANIFOLD ABSOLUTE PRESSURE SENSOR | | Sensor voltage input low | Check the voltage input | Voltage is lower than expected | | 30 seconds after ignition on |
| P0108 | MANIFOLD ABSOLUTE PRESSURE SENSOR | | Sensor voltage input high | Check the voltage input | Voltage is higher than expected | | 30 seconds after ignition on |
| P0112 | AIR TEMPERATURE (PRESSURE) SENSOR | MPT-0341 | Sensor voltage input low | Check the voltage input | Voltage is lower than expected | 4.75V ~ 5.25V | 30 seconds after ignition on |
| P0113 | AIR TEMPERATURE (PRESSURE) SENSOR | MPT-0341 | Sensor voltage input high | Check the voltage input | Voltage is higher than expected | 4.75V ~ 5.25V | 30 seconds after ignition on |
| P0117 | CYLINDER WALL TEMPERATURE SENSOR | MPT-0181 | Sensor voltage input low | Check the voltage input | Voltage is lower than expected | | 30 seconds after ignition on |
| P0118 | CYLINDER WALL TEMPERATURE SENSOR | MPT-0181 | Sensor voltage input high | Check the voltage input | Voltage is higher than expected | | 30 seconds after ignition on |
| P0122 | THROTTLE POSITION SENSOR | MPT-0342 | Sensor voltage input low | Check the voltage input | Voltage is lower than expected | 4.75V ~ 5.25V | 30 seconds after ignition on |
| P0123 | THROTTLE POSITION SENSOR | MPT-0342 | Sensor voltage input high | Check the voltage input | Voltage is higher than expected | 4.75V ~ 5.25V | 30 seconds after ignition on |
| P0131 | OXYGEN SENSOR | MPT-0180 | Sensor voltage input low | Check the voltage input | Voltage is lower than expected | 12V ~ 16V | Idle for 5 mins |
| P0132 | OXYGEN SENSOR | MPT-0180 | Sensor voltage input high | Check the voltage input | Voltage is higher than expected | 12V ~ 16V | Idle for 5 mins |
| P0031 | OXYGEN SENSOR (HEATER) | MPT-0180 | Sensor voltage input low | Check the voltage input | Voltage is lower than expected | 12V ~ 16V | 30 seconds after ignition on |
| P0032 | OXYGEN SENSOR (HEATER) | MPT-0180 | Sensor voltage input high | Check the voltage input | Voltage is higher than expected | 12V ~ 16V | Idle for 5 mins |
| P0261 | FUEL INJECTOR | MPT-0480 | Fuel injector circuit open | Measure the resistance between the fuel injector plug pins | Incorrect resistance | 12.6Ω ~ 11.4Ω | Press the start button for 5 seconds |
| P0262 | FUEL INJECTOR | MPT-0480 | Fuel injector circuit high | Measure the resistance between the fuel injector plug pins | Incorrect resistance | 12.6Ω ~ 11.4Ω | Press the start button for 5 seconds |
| P0231 | FUEL PUMP RELAY | MPT-0307 | Low voltage input | Check the voltage input | Voltage is lower than expected | approx. 12V | 30 seconds after ignition on |
| P0232 | FUEL PUMP RELAY | MPT-0307 | High voltage input | Check the voltage input | Voltage is higher than expected | approx. 12V | 30 seconds after ignition on |
| P0337 | CRANKSHAFT POSITION SENSOR | | Low voltage output | Check the voltage output | Voltage is lower than expected | | Press the start button for 5 seconds |
| P2300 | IGNITION COIL | MPT-0297 / MPT-0296 | Low voltage input | Check the voltage input | Voltage is lower than expected | | |
| P2301 | IGNITION COIL | MPT-0297 / MPT-0296 | High voltage input | Check the voltage input | Voltage is higher than expected | | |
| P0351 | IGNITION COIL | MPT-0297 / MPT-0296 | Incomplete circuit | | | | 30 seconds after ignition on |
| P0505 | AIR IDLE SENSOR (IDLE STEP MOTOR) | MPT-0343 | Idle control fault | Engine speed | Engine speed +500rpm higher than expected | | Idle for 5 mins |

TROUBLESHOOTING - TESTING

DIAGNOSIS AND TROUBLESHOOTING WITH A FAULT CODE

Faults are generally caused by one of four main problems:

- Plugs not plugged in correctly
- Damage to connecting wires
- Poor contact from corroded plugs.
- Individual components are damaged or non-operational.
- The ECU is damaged or operating incorrectly.

The main methods for addressing these faults are:

- Check all plugs and wires for loose connections, damage, or incorrect fitting.
- Check individual components for faults.
- Check the ECU is operating correctly.

Before undertaking any of individual component checks, it is essential to ensure the primary wiring system is fitted correctly, is not damaged, and operates normally.

For individual component checks, refer to the disassembly, testing and reassembly information on the pages following

| OXYGEN SENSOR |
|---|
| Disassembly |
| <ul style="list-style-type: none">• Disconnect the wiring plug, and remove the oxygen sensor |
| Testing |
| <p>Check the resistance of the oxygen sensor heating rod:</p> <ul style="list-style-type: none">• Ensure the ignition is off and unplug the oxygen sensor• Measure the resistance between pin C and D of the oxygen sensor• Resistance should be between 8Ω and 15Ωat 23°c <p>If the heating rod resistance of the oxygen sensor is correct, proceed to check the heating voltage. If not, replace the oxygen sensor.</p> <p>Check the heating voltage of the oxygen sensor:</p> <ul style="list-style-type: none">• Ensure the ignition is off and unplug the oxygen sensor• Start the engine and keep the bike idling.• After waiting for 20 seconds, use a multimeter to measure the voltage of the pins on the wiring loom• The voltage should read between 12V to 16V <p>If the heating voltage is correct, check the output signal voltage. If not, check for wiring loom damage and if necessary, replace.</p> <p>Check output signal voltage of the oxygen sensor:</p> <ul style="list-style-type: none">• Ensure the ignition is off and the oxygen sensor plug is connected• Start the engine and keep the bike idling, heating the engine until the cylinder head reaches a temperature of around 60°c• Switch your multimeter to DC voltage; contact black and red probes with pin A and B of the oxygen sensor separately• Check the change in voltage – the output voltage should change between 0 and 1V. <p>If the heating voltage is correct, check for wiring loom damage and if necessary, replace. If the reading is incorrect, then replace the oxygen sensor.</p> |

| OXYGEN SENSOR |
|---|
| Assembly |
| <ul style="list-style-type: none">• Screw the oxygen sensor into the threaded hole• Torque to 13Nm – 17Nm• Reconnect the wiring plug <p>NOTES: The bend angle of the wires should not be less than R20. Do not disassemble or assemble the sensor after connecting to the main loom</p> |

TROUBLESHOOTING - TESTING



| AIR TEMPERATURE (PRESSURE) SENSOR | | | | | | | | | | | |
|--|-----------------|------------------|-----------------|-----|-------------|---|-------------|----|-------------|----|-------------|
| Disassembly | | | | | | | | | | | |
| <ul style="list-style-type: none">Disconnect the wiring plug, and remove the air temperature (pressure) sensor. | | | | | | | | | | | |
| Testing | | | | | | | | | | | |
| <p>Check the input voltage of the air temperature pressure sensor:</p> <ul style="list-style-type: none">Ensure the ignition is off and unplug the sensorTurn on the ignition, but without starting the engine.Measure the voltage at the plug pinsInput voltage should be between 4.75V to 5.25V <p>If the voltage reads correctly, this indicates that the ECU's power supply is normal and that sensor replacement is required. If the reading is incorrect, then check the main wiring loom for issues</p> <p>Check the resistance of the air temperature pressure sensor:</p> <ul style="list-style-type: none">Ensure the ignition is off and unplug the sensorMeasure the resistance between the plug pins using a multimeterExpected resistance should be as follows: <table><tr><th>Temperature (°c)</th><th>Resistance (KΩ)</th></tr><tr><td>-10</td><td>8.11 ~ 9.71</td></tr><tr><td>0</td><td>5.21 ~ 6.04</td></tr><tr><td>20</td><td>2.32 ~ 2.54</td></tr><tr><td>40</td><td>1.10 ~ 1.21</td></tr></table> <p>If the resistance is between expected levels, the sensor is operating correctly; check the wiring loom for issues. If the resistance is incorrect, replace the sensor.</p> | | Temperature (°c) | Resistance (KΩ) | -10 | 8.11 ~ 9.71 | 0 | 5.21 ~ 6.04 | 20 | 2.32 ~ 2.54 | 40 | 1.10 ~ 1.21 |
| Temperature (°c) | Resistance (KΩ) | | | | | | | | | | |
| -10 | 8.11 ~ 9.71 | | | | | | | | | | |
| 0 | 5.21 ~ 6.04 | | | | | | | | | | |
| 20 | 2.32 ~ 2.54 | | | | | | | | | | |
| 40 | 1.10 ~ 1.21 | | | | | | | | | | |
| Assembly | | | | | | | | | | | |
| <ul style="list-style-type: none">Plug and remount the sensor | | | | | | | | | | | |

| THROTTLE POSITION SENSOR | |
|--|--|
| Disassembly (Throttle Valve) | |
| <ul style="list-style-type: none">Disconnect the wiring plug, and remove the throttle position sensor | |
| Testing | |
| <p>Check the input voltage of the throttle position sensor:</p> <ul style="list-style-type: none">Turn the ignition on;Measure the voltage between the connecting pins on the main wiring loom.The voltage should be between 4.75V to 5.25V <p>If the voltage reads correctly, this indicates that the ECU's power supply is normal and that sensor replacement is required. If the reading is incorrect, then check the main wiring loom for issues</p> | |
| Assembly | |
| <ul style="list-style-type: none">Plug and remount the sensor. <p>IMPORTANT: Only a suitably trained and qualified technician should replace the throttle position sensor.</p> | |

| CYLINDER WALL TEMPERATURE SENSOR | | | | | | | | | | | |
|---|-----------------|------------------|-----------------|-----|--------------|---|---------------|----|---------------|----|-------------|
| Disassembly | | | | | | | | | | | |
| <ul style="list-style-type: none">Disconnect the wiring plug, and remove the cylinder wall temperature sensor | | | | | | | | | | | |
| Testing | | | | | | | | | | | |
| <p>Check the resistance of the cylinder wall temperature sensor:</p> <ul style="list-style-type: none">Ensure the ignition is off and unplug the sensorMeasure the resistance of the plug pinsExpected resistance should be as follows: <p>If the voltage reads correctly, this indicates that the ECU's power supply is normal and that sensor replacement is required. If the reading is incorrect, then check the main wiring loom for issues</p> <table><tr><th>Temperature (°c)</th><th>Resistance (KΩ)</th></tr><tr><td>-10</td><td>58.1 ~ 68.28</td></tr><tr><td>0</td><td>33.15 ~ 38.29</td></tr><tr><td>20</td><td>11.99 ~ 13.43</td></tr><tr><td>40</td><td>4.89 ~ 5.33</td></tr></table> <p>If the resistance is at normal levels, this indicates that the sensor is operating correctly. Check the wiring loom for any issues. If the resistance is incorrect, replace the sensor.</p> | | Temperature (°c) | Resistance (KΩ) | -10 | 58.1 ~ 68.28 | 0 | 33.15 ~ 38.29 | 20 | 11.99 ~ 13.43 | 40 | 4.89 ~ 5.33 |
| Temperature (°c) | Resistance (KΩ) | | | | | | | | | | |
| -10 | 58.1 ~ 68.28 | | | | | | | | | | |
| 0 | 33.15 ~ 38.29 | | | | | | | | | | |
| 20 | 11.99 ~ 13.43 | | | | | | | | | | |
| 40 | 4.89 ~ 5.33 | | | | | | | | | | |
| Assembly | | | | | | | | | | | |
| <ul style="list-style-type: none">Plug and remount the sensor | | | | | | | | | | | |

| FUEL INJECTOR |
|---|
| Disassembly |
| <ul style="list-style-type: none"> Disassemble the fuel inlet pipe. Disconnect the wiring plug. Remove the 2x holding and 2x fixing pins. Slowly screw out the fuel injector. |
| Testing |
| <p>Check resistance of fuel injector coil:</p> <ul style="list-style-type: none"> Ensure the ignition is off and unplug the sensor Measure the resistance between the fuel injector plug pins using a multimeter The resistance should be between 12.6Ω~11.4Ω <p>If the resistance is between expected levels, check the main wiring loom for any issues. If not, replace the fuel injector.</p> |
| Assembly |
| <p>Preparation before assembly:</p> <ul style="list-style-type: none"> Do not use the fuel injector if it has been dropped or knocked, as this could lead to damage to the internal components, which will lead to poor performance and other possible issues. Check the O-ring and seal are free from damage. Always replace the O-ring when reassembling the fuel injector. Sparingly apply a thin layer of paraffin-based mineral oil to the O-ring and the locating surfaces. <p>Specific assembly steps:</p> <ul style="list-style-type: none"> Align the fuel injector with the air inlet elbow’s corresponding position and carefully screw it into the installation hole. After inserting the screw into the installation hole and re-installing the fixing, screw the fuel injector into the air inlet pipe’s installation hole, using a torque setting of 6 to 10Nm. |

| FUEL INJECTOR |
|--|
| Assembly |
| <p>NOTES:</p> <ul style="list-style-type: none"> Be cautious when disassembling or assembling wiring plugs to avoid damage. Always assemble or disassemble the fuel injector gently, ensuring surfaces are clean and free of debris. Do not use a 12V supply to directly energize the fuel injector for more than 60 seconds, as this will damage the fuel injector. Never run the fuel injector without fuel. <p>IMPORTANT: Fuel injector removal, inspection and replacement should be undertaken by a trained, qualified technician.</p> |

| FUEL PUMP ASSEMBLY | | | |
|--|--|---|------------------------------|
| Disassembly | | | |
| <ul style="list-style-type: none">Disassemble the fuel pipe that connects to the fuel outlet pipeDisconnect the wiring plugRemove the 6x holding bolts, then remove the fuel pump | | | |
| Testing | | | |
| <p>Check fuel pump voltage:</p> <ul style="list-style-type: none">Ensure the ignition is off and unplug the fuel injectorSwitch the ignition onMeasure the voltage supply to the fuel pump at the main wiring loom, ensuring to do this within 3 seconds after turning on the ignition.The voltage should read around 12V. <p>If the voltage is standard, then replace the fuel pump. If not, then proceed to the next step.</p> <p>Check fuel pump lines:</p> <ul style="list-style-type: none">Ensure the ignition is offPull out the ECU plug, turn the ignition on and within 3 seconds after turning the ignition on check whether the wiring loom’s corresponding pins are connected. | | | |
| | Inspection Point | Connected | Not Connected |
| a | Fuel pump relay A pin-ECU_J2-9 pin | Circuit is connected. Change the current ECU for one that is known to be correctly operational to check again. | Fuel pump relay circuit open |
| b | Fuel pump relay B pin-fuel pump A pin | | Fuel pump power circuit open |
| c | Negative pole of power-fuel pump B pin | | Fuel pump earth circuit open |
| (continues on next page) | | | |

TROUBLESHOOTING - TESTING



FUEL PUMP ASSEMBLY

Turn off the engine and reconnect the plug. Turn the ignition back on and check for connection based on the following:

| | Inspection Point | Voltage is 12V | Voltage is not 12V |
|---|--|------------------------------|---|
| d | Fuel pump relay B pin-positive pole of power | Fuel pump has rotation sound | Fuel pump relay +12V - fuel pump relay circuit open. Replace fuel pump relay. |
| e | Fuel pump A(+)B(-)and power voltage | | Fuel pump power +12V Fuel pump circuit open. Replace fuel pump. |

IMPORTANT: Do not run the fuel pump assembly without fuel.

Assembly

- Bolt into place using the 6x bolts (torque settings - 2.2Nm to 2.8Nm)
- Reconnect the wiring plug
- Re-attach the fuel pipe to the fuel outlet pipe

NOTES: Ensure the locking device is released sufficiently before removing the plug. Hold the plug-in instead of holding the wires. Do not exert excessive force, as this could lead to wire and component damage.

| AIR IDLE SENSOR (IDLE STEP MOTOR) |
|---|
| Disassembly |
| <ul style="list-style-type: none">Disconnect the wiring plug, and remove the sensor |
| Testing |
| <p>Check the resistance of the air idle sensor coil:</p> <ul style="list-style-type: none">Measure the resistance of the sensor pins using a multimeter:Resistance should be between 53±5.3Ωfrom 5°c to 27°c <p>If the resistance is correct, check the main wiring loom for issues. If not, replace the sensor.</p> |
| Assembly |
| <ul style="list-style-type: none">Plug and remount the sensor |
| <p>NOTES: When changing this component, do not pull or push it on to the fitting shaft manually, as this will damage the actuator.</p> <p>IMPORTANT: Do not remove or refit the idle step motor when the power is on.</p> |

| THROTTLE VALVE |
|---|
| Disassembly |
| <ul style="list-style-type: none">Loosen the accelerator cable locking nut using a 10mm open spanner.Take the lower end of the accelerator cable out of the throttle valve slot, then take the accelerator cable’s interior wire out of the throttle valve slot.Remove the connecting sleeve clamp of the air inlet elbow using a screwdriver.Disconnect the wiring plug |
| <p>Never adjust the idling regulating screws. Only a suitably trained, qualified technician should undertake any maintenance on the throttle valve.</p> |
| Assembly |
| <ul style="list-style-type: none">To reassemble the throttle valve, reverse the disassembly procedure. <p>NOTES:</p> <ul style="list-style-type: none">Do not let the throttle valve open and close suddenly as this can damage the throttle valve and its main body.Do not disassemble the throttle valve and its idling regulating bolt.Do not apply carburettor cleaner to the main body components of the throttle valve.Do not use compressed air.Do not adjust the stop screw of the throttle valveTake care that no debris or moisture enters the throttle valve access when fitting or replacing the throttle valve.The plug should be removed and replaced carefully to prevent damage of the wiring pin |

TROUBLESHOOTING - TESTING



| AIR INLET ELBOW |
|--|
| Disassembly |
| <ul style="list-style-type: none"> Remove connecting sleeve clamp using a screwdriver. Disconnect the wiring plug Disassemble the holding nut and bolt, and then remove |
| Assembly |
| <ul style="list-style-type: none"> Install the air inlet pipe by reversing the disassembly sequence. Torque for the holding nut and bolt is between 6Nm to 10Nm. |

| ECU |
|--|
| Disassembly |
| <ul style="list-style-type: none"> Close ignition switch Remove the ECU Disconnect wiring plug |
| Assembly |
| <ul style="list-style-type: none"> Before installation, confirm the plug and ECU slot are free of dust, dirt, water, or other debris. Gently push the ECU towards the plug. The plug should click into place fully. <p>IMPORTANT: Ensure that the engine is not running/on before removing the ECU. DO NOT DISASSEMBLE THE ECU WHILE THE IGNITION IS ON.</p> |

| ENVIRONMENTAL STORAGE/OPERATING CONDITIONS | | | |
|--|-----------------------------------|----|---------------|
| Item | Specification | | Parameters |
| ECU | Storage temperature (°c) | | -40 ~ 105 |
| | Working temperature (°c) | | -20 ~ 85 |
| | Working voltage (V/DC) | | 9 ~ 16 |
| CYLINDER WALL TEMPERATURE SENSOR | -10°c | KΩ | 58.10 ~ 68.28 |
| | 0°c | KΩ | 33.15 ~ 8.29 |
| | 20°c | KΩ | 11.99 ~ 13.43 |
| | 40°c | KΩ | 4.89 ~ 5.33 |
| | Working temperature (°c) | | -40 ~ 200 |
| | Tightening torque (Nm) | | 12±2 |
| OXYGEN SENSOR | Working voltage (V/DC) | | 12 ~ 14 |
| | Heating rod resistance (Ω @ 23°c) | | 8 ~ 15 |
| | Tightening torque (Nm) | | 13 ~ 17 |
| FUEL INJECTOR | Working temperature (°c) | | -30 ~ 130 |
| | Working voltage (V/DC) | | 14 |
| | Working medium pressure (KPa) | | <500 |
| AIR IDLE SENSOR (IDLE STEP MOTOR) | Resistance Ω (5°c ~ 27 °c) | | 53±5.3 |
| | | | |

