

Take it apart

- ☐ 101 Put on center stand
- ☐ 102 Remove side panels
- ☐ 103 Remove seat
- ☐ 104 Undo left lower Z rack mounting bolts (5mm)
- ☐ 105 Undo left peg plate bolts (8mm)
- ☐ 106 Remove left peg plate
- ☐ 107 Shift into fifth gear
- ☐ 108 Disconnect clutch cable
- ☐ 109 Run clutch cable rubber boot up through hole in transmission
- ☐ 110 Remove gear shift lever
- ☐ 111 Unscrew O2 sensor connector
- ☐ 112 Remove exhaust (8mm rear hanger, 12mm nuts for headers)
- ☐ 113 Remove rear hub cap (4mm Allen wrench in slot)
- ☐ 114 Remove rear wheel (5 lug bolts)
- ☐ 115 Drain final drive
- ☐ 116 Remove bolts that hold fender together (8mm and Phillips)
- ☐ 117 Remove tail light (plastic headed bolts inside tail cowl)
- ☐ 118 Unmount tail lighting connector (2 Phillips screws)
- ☐ 119 Undo 2 10mm nuts in bottom rear of tail cowl(should have plastic caps on them)
- ☐ 120 Remove seat bar (2 5mm Allen bolts)
- ☐ 121 Remove two Phillips screws at front of tail cowl
- ☐ 122 Undo bolts under rear half of fender (10 mm)
- ☐ 123 Undo nuts for front half of fender bracket (10mm) (note spacers)
- ☐ 124 Empty coolant reservoir
- ☐ 125 Remove lower right case mount and peg plate bolts (5mm & 8mm)
- ☐ 126 Remove bolts holding rear master to right peg plate (5mm)
- ☐ 127 Remove bolt holding brake switch to right peg plate (4mm)
- ☐ 128 Disconnect cruise electrical connector and vacuum hose
- ☐ 129 Disconnect Motronic
- ☐ 130 Disconnect ground terminal on rear of Motronic
- ☐ 131 Undo bolt holding down rear of Motronic (5mm)
- ☐ 132 Pull Motronic to rear so the tab at the front of it pulls out of it's grommet
- ☐ 133 Undo battery hold down plate bolts (Phillips)
- ☐ 134 Disconnect negative battery terminal
- ☐ 135 Disconnect positive battery terminal
- ☐ 136 Remove battery
- ☐ 137 Remove front & rear bolts that hold down ABS/battery tray (5mm)
- ☐ 138 Remove Torx bolt on rear of ABS control unit
- ☐ 139 Remove 4 nuts that secure the ABS/battery tray to transmission
- ☐ 140 Lift ABS control unit and rotate ABS/battery tray out of the way
- ☐ 141 Secure ABS control unit to left frame rail to keep it out of the way
- ☐ 142 Remove the two bolts that mount the starter to the transmission (5mm)
- ☐ 143 Remove center pivot bolt that holds side stand wiring plastic retainer (5mm)
- ☐ 144 Remove the other three bolts from the right swing arm fixed pivot
- ☐ 145 Remove the two bolts that hold the alternator cover on (4mm)
- ☐ 146 Remove two rear caliper mounting bolts and tie caliper off to the frame (8mm)
- ☐ 147 Remove speedometer sensor from final drive (4mm)
- ☐ 148 Clean dirt from around speedometer sensor hole
- ☐ 149 Remove front band from final drive rubber boot
- ☐ 150 Unmount shock remote reservoir
- ☐ 151 Remove lower shock nut
- ☐ 152 Remove upper shock nut
- ☐ 153 Remove remaining HW for Reynolds Rack and Z racks
- ☐ 154 Unplug side stand switch
- ☐ 155 Unplug gear indicator switch
- ☐ 156 Replace final drive drain plug
- ☐ 157 Remove nuts from paralever strut bolts
- ☐ 158 Break loose 12mm Allen pivot on left side of final drive
- ☐ 159 Remove plastic cap from right pivot
- ☐ 160 Loosen lock nut on right floating final drive pivot (27mm)
- ☐ 161 Break right pivot free (6mm)
- ☐ 162 Remove left and right pivots and remove final drive
- ☐ 163 Pop rear half of drive shaft out of final drive
- ☐ 164 Break loose lock nut on left floating swing arm pivot (27mm)
- ☐ 165 Remove left swing arm pivot (6mm)
- ☐ 166 Remove right fixed swing arm pivot
- ☐ 167 Remove swing arm
- ☐ 168 Pop front half of drive shaft off of transmission output splines
- ☐ 169 Remove clutch arm pivot (right circlip, then push rod to the left)
- ☐ 170 Relube needle bearings for clutch arm pivot rod
- ☐ 171 Remove clutch rubber boot and extract clutch pushrod
- ☐ 172 Break loose four center stand mounting bolts (8mm)
- ☐ 173 Place rear of bike on sawhorse so center stand feet are >1" off of the ground
- ☐ 174 Remove center stand mounting bolts (8mm)
- ☐ 175 Remove drain plug and drain transmission, then replace drain plug
- ☐ 176 Remove the six bolts that hold the transmission to the bellhousing (6mm)
- ☐ 177 Remove the left and right bolts that secure the transmission to the frame
- ☐ 178 Clean clutch plate and transmission input splines
- ☐ 179 Clean Loctite from threads of final drive and swing arm pivots

Put it back together

- ☐ 201 Install transmission (6 6mm bolts, 2 8mm bolts)
- ☐ 202 Install peg plate bracket
- ☐ 203 Install center stand (8mm) (remember to install side stand switch on left side bolts)
- ☐ 204 Remove sawhorse so bike rests on center stand
- ☐ 205 Install clutch pushrod, throwout bearing, spring and rubber boot
- ☐ 206 Install clutch arm
- ☐ 207 Lube and install front half of drive shaft (marked for proper phasing)
- ☐ 208 Run clutch cable rubber boot down through hole in transmission
- ☐ 209 Install swing arm - push all of the way on so that rubber boot seals to transmission
- ☐ 210 Lube and install right side fixed pivot bearing (3 5mm bolts)
- ☐ 211 Install center bolt with plastic retainer for side stand switch wiring
- ☐ 212 Lube and install left floating pivot - torque to 65 in-lbs (6mm)
- ☐ 213 Holding left pivot pin in place with a 6mm Allen wrench, tighten it's locknut
- ☐ 214 Lube splines of rear half of the drive shaft and pop it onto the final drive splines
- ☐ 215 Lube and initially install both final drive pivots as final drive is installed
- ☐ 216 (Be sure drive shaft is phased)
- ☐ 217 Install paralever strut bolts and lower end of shock
- ☐ 218 Tighten the left pivot (12mm)
- ☐ 219 Tighten the right pivot and torque to 65 in-lbs
- ☐ 220 Holding the right pivot in place with a 6mm Allen wrench, tighten it's lock nut
- ☐ 221 Replace plastic cap in right pivot
- ☐ 222 Replace paralever strut nuts
- ☐ 223 Plug in gear indicator switch
- ☐ 224 Plug in side stand switch
- ☐ 225 Reinstall Reynolds Rack and upper Z rack hardware
- ☐ 226 Replace upper shock nut
- ☐ 227 Replace lower shock but
- ☐ 228 Reinstall shock remote reservoir
- ☐ 229 Reinstall front band on final drive rubber boot
- ☐ 230 Reinstall speedometer sensor in final drive
- ☐ 231 Reinstall rear brake caliper
- ☐ 232 Reinstall alternator cover
- ☐ 233 Reinstall starter mounting bolts (coils ground to left, other two grounds to right)
- ☐ 234 Unsecure ABS control unit from left frame rail
- ☐ 235 Rotate ABS/battery tray back into place
- ☐ 236 Reinstall the four nuts that hold the ABS/battery tray to the transmission
- ☐ 237 Install the rear Torx bolt that holds the ABS control unit in the tray
- ☐ 238 Reinstall the bolts in front of and behind the ABS control unit
- ☐ 239 (Make sure hose for coolant reservoir is properly routed through the frame)
- ☐ 240 Install battery (positive terminal towards the front)
- ☐ 241 Connect positive battery terminal
- ☐ 242 Connect negative battery terminal (two ring terminals)
- ☐ 243 Install battery hold down plate (2 long Phillips bolts)
- ☐ 244 Insert front tab of Motronic into rubber grommet at front of battery hold down plate
- ☐ 245 Bolt down rear of Motronic
- ☐ 246 Reconnect ground wire to tab at rear of Motronic
- ☐ 247 Connect Motronic
- ☐ 248 Reconnect cruise wiring and vacuum hose
- ☐ 249 Reinstall brake switch on right peg plate
- ☐ 250 Reinstall rear master cylinder on right peg plate
- ☐ 251 Reinstall right peg plate and right side lower Z rack bolts
- ☐ 252 Install 2 nuts for front half of rear inner fender(spacers below tab, coolant res above)
- ☐ 253 Refill coolant reservoir
- ☐ 254 Install two bolts inside rear half of inner fender
- ☐ 255 Install the bolts that hold the front and rear halves together
- ☐ 256 Install nuts inside tail cowl
- ☐ 257 Install seat hinge bar
- ☐ 258 Install two Phillips screws at front of tail cowl piece
- ☐ 259 Install tail light wiring harness connector
- ☐ 260 Replace tail light lens assembly
- ☐ 261 Refill final drive
- ☐ 262 Refill transmission
- ☐ 263 Install rear wheel
- ☐ 264 Install hub cap
- ☐ 265 Install exhaust
- ☐ 266 Reconnect O2 sensor (install small zip tie that holds O2 sensor wiring to ABS tray)
- ☐ 267 Install gear shift lever
- ☐ 268 Reconnect clutch cable
- ☐ 269 Install left peg plate
- ☐ 270 Install left lower Z rack bolts
- ☐ 271 Install seat
- ☐ 272 Install side panels
- ☐ 273 Go for a ride...