

Transmission Maintenance and Repair

Illustrated Index

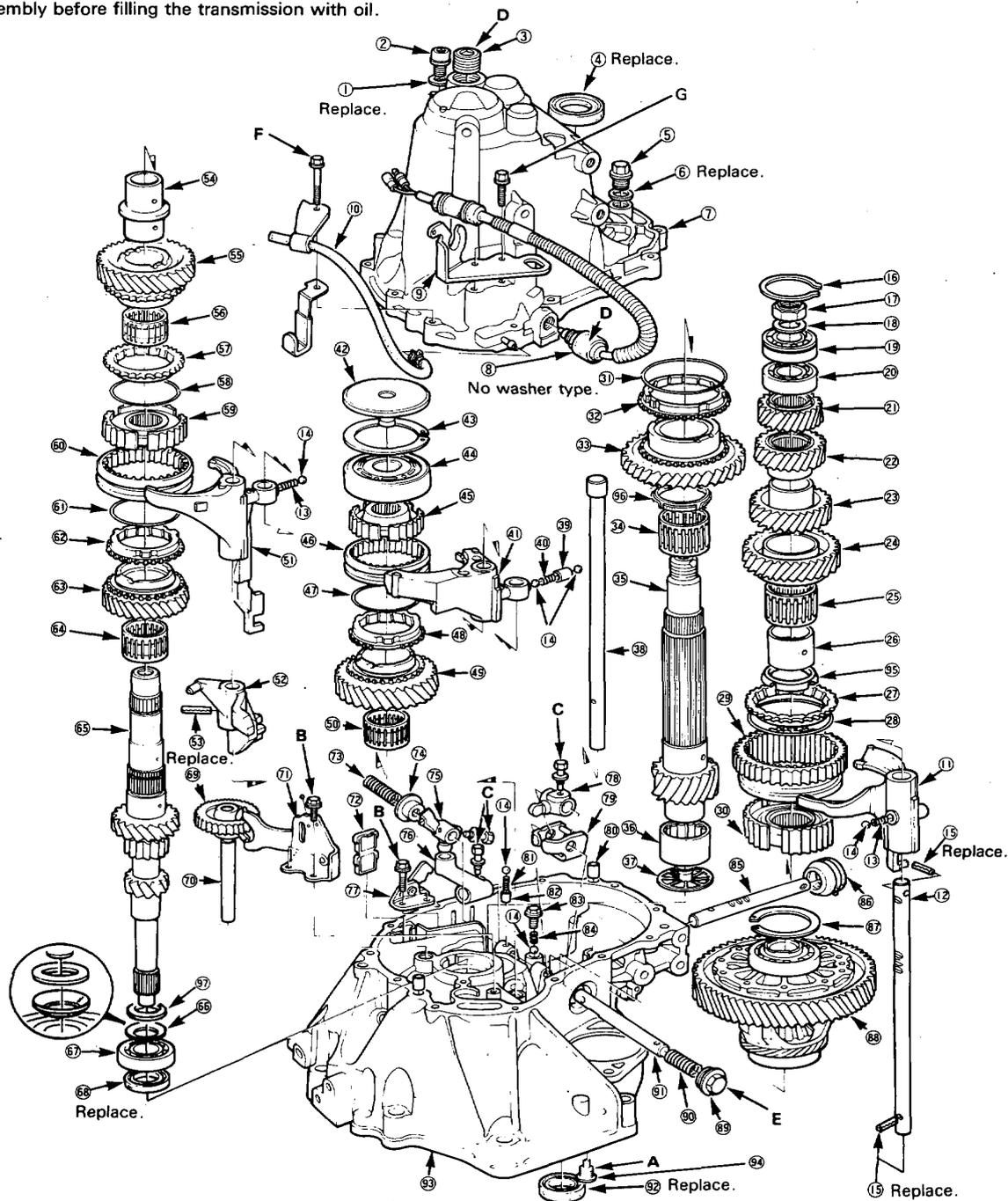
Refer to the drawing below for the transmission disassembly/reassembly.

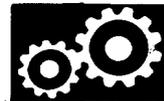
Clean all parts thoroughly in solvent and dry with compressed air.



Lubricate all parts with oil before reassembly.

NOTE: This transmission uses no gaskets between the major housings; use PART NO. 0Y746-99986 for the liquid gasket. Assemble the housings within 20 minutes after applying the liquid gasket and allow it to cure at least 30 minutes after assembly before filling the transmission with oil.



**Torque Value**

A	-40 N·m (4.0 kg-m, 29 lb-ft)
B	-15 N·m (1.5 kg-m, 11 lb-ft)
C	-29 N·m (2.9 kg-m, 21 lb-ft)
D	-25 N·m (2.5 kg-m, 18 lb-ft)
E	-55 N·m (5.5 kg-m, 40 lb-ft)
F	-28 N·m (2.8 kg-m, 21 lb-ft)
G	-26 N·m (2.6 kg-m, 19 lb-ft)

NOTE: Always clean the magnet 72 whenever the transmission housing is disassembled.

- ① SEALING WASHER
- ② OIL DRAIN PLUG
40 N·m (4.0 kg-m, 29 lb-ft)
- ③ 32 mm SEALING BOLT
- ④ OIL SEAL
- ⑤ OIL FILLER PLUG
45 N·m (4.5 kg-m, 33 lb-ft)
- ⑥ SEALING WASHER
- ⑦ TRANSMISSION HOUSING
- ⑧ BACK-UP LIGHT SWITCH
25 N·m (2.5 kg-m, 18 lb-ft)
- ⑨ CLUTCH CABLE BRACKET
- ⑩ BREATHER TUBE
- ⑪ 1st/2nd SHIFT FORK
- ⑫ 1st/2nd SHIFT FORK SHAFT
- ⑬ SHIFT FORK SPRING
- ⑭ STEEL BALL
- ⑮ SPRING PIN
- ⑯ SNAP RING
- ⑰ COUNTERSHAFT LOCKNUT
110→0→110 N·m (11.0→0→11.0 kg-m,
80→0→80 lb-ft)
- ⑱ WASHER
- ⑲ BALL BEARING
Disassembly, page 8-16
Reassembly, page 8-17
- ⑳ NEEDLE BEARING
- ㉑ COUNTERSHAFT 5th GEAR
- ㉒ COUNTERSHAFT 4th GEAR
- ㉓ COUNTERSHAFT 3rd GEAR
- ㉔ COUNTERSHAFT 2nd GEAR
- ㉕ NEEDLE BEARING
- ㉖ DISTANCE COLLAR
- ㉗ SYNCHRO RING
- ㉘ SYNCHRO SPRING
- ㉙ REVERSE GEAR
- ㉚ SYNCHRO HUB
- ㉛ SYNCHRO SPRING
- ㉜ SYNCHRO RING
- ㉝ COUNTERSHAFT 1st GEAR
- ㉞ NEEDLE BEARING
- ㉟ COUNTERSHAFT
- ㊱ NEEDLE BEARING
- ㊲ OIL GUIDE PLATE
- ㊳ 5th/REVERSE SHIFT FORK
SHAFT
- ㊴ ROLLER
- ㊵ 5th DETENT SPRING
- ㊶ 5th SHIFT FORK
- ㊷ OIL GUIDE PLATE
- ㊸ THRUST SHIM
Selection, page 8-13
- ㊹ BALL BEARING
- ㊺ SYNCHRO HUB
- ㊻ SYNCHRO SLEEVE
- ㊼ SYNCHRO SPRING
- ㊽ SYNCHRO RING
- ㊾ 5th GEAR
- ㊿ NEEDLE BEARING
- ① 3rd/4th SHIFT FORK
- ② SHIFT PIECE
- ③ SPRING PIN
- ④ SPACER COLLAR
- ⑤ 4th GEAR
- ⑥ NEEDLE BEARING
- ⑦ SYNCHRO RING
- ⑧ SYNCHRO SPRING
- ⑨ SYNCHRO HUB
- ⑩ SYNCHRO SLEEVE
- ⑪ SYNCHRO SPRING
- ⑫ SYNCHRO RING
- ⑬ 3rd GEAR
- ⑭ NEEDLE BEARING
- ⑮ MAINSHAFT
- ⑯ SPRING WASHER
- ⑰ BALL BEARING
- ⑱ OIL SEAL
- ⑲ REVERSE IDLER GEAR
- ㉑ REVERSE IDLER SHAFT
- ㉒ REVERSE SHIFT HOLDER
- ㉓ MAGNET
- ㉔ REVERSE SELECT SPRING
- ㉕ REVERSE RETURN SELECT
- ㉖ SHIFT ARM C
- ㉗ SHIFT ARM A
- ㉘ REVERSE LOCK CAM
- ㉙ SHIFT ARM B
- ㉚ INTERLOCK
- ㉛ DOWEL PIN
- ㉜ SPRING
- ㉝ SPRING COLLAR
- ㉞ SPRING BOLT
- ㉟ SPRING
- ① SHIFT ROD
- ② BOOT
- ③ SHIM
- ④ DIFFERENTIAL ASSEMBLY
- ⑤ 28 mm PLUG
- ⑥ 1st/2nd SELECT SPRING
- ⑦ SHIFT ARM SHAFT
- ⑧ OIL SEAL
- ⑨ CLUTCH HOUSING
- ⑩ INTERLOCK GUIDE BOLT
- ⑪ FRICTION DAMPER (2nd gear side)
Disassembly, page 8-16
Reassembly, page 8-17
- ⑫ FRICTION DAMPER (1st gear side)
Disassembly, page 8-16
Reassembly, page 8-17
- ⑬ THRUST WASHER