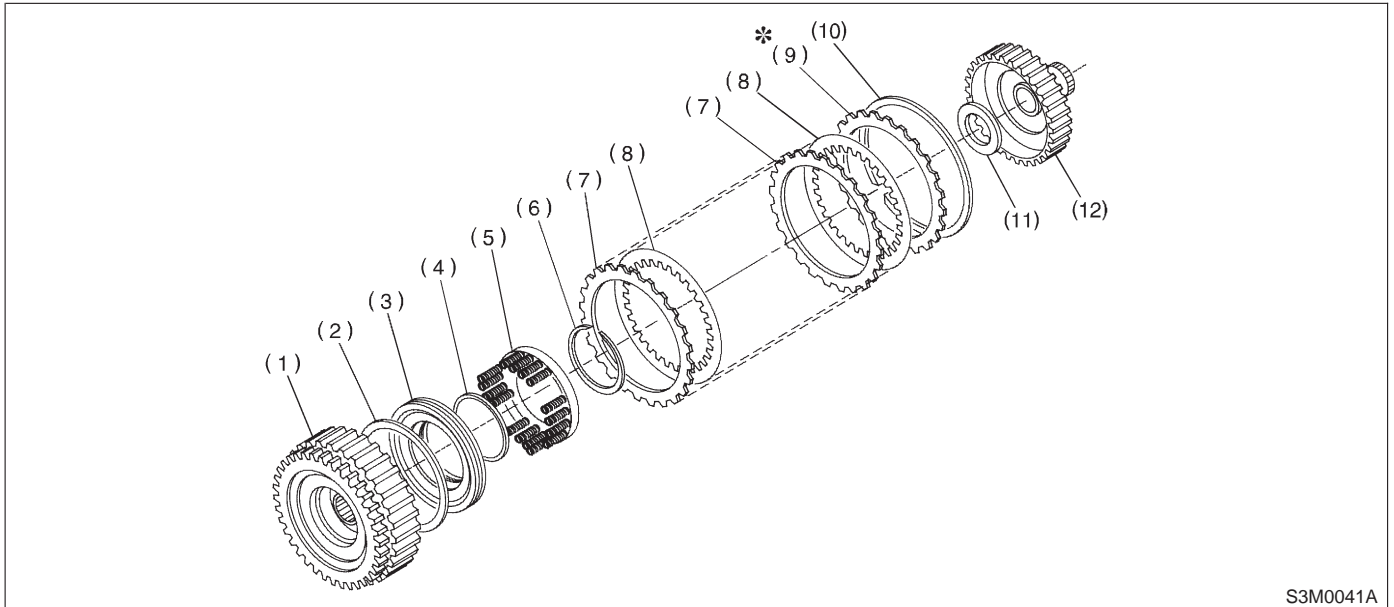


## 18. High Clutch

### A: DISASSEMBLY



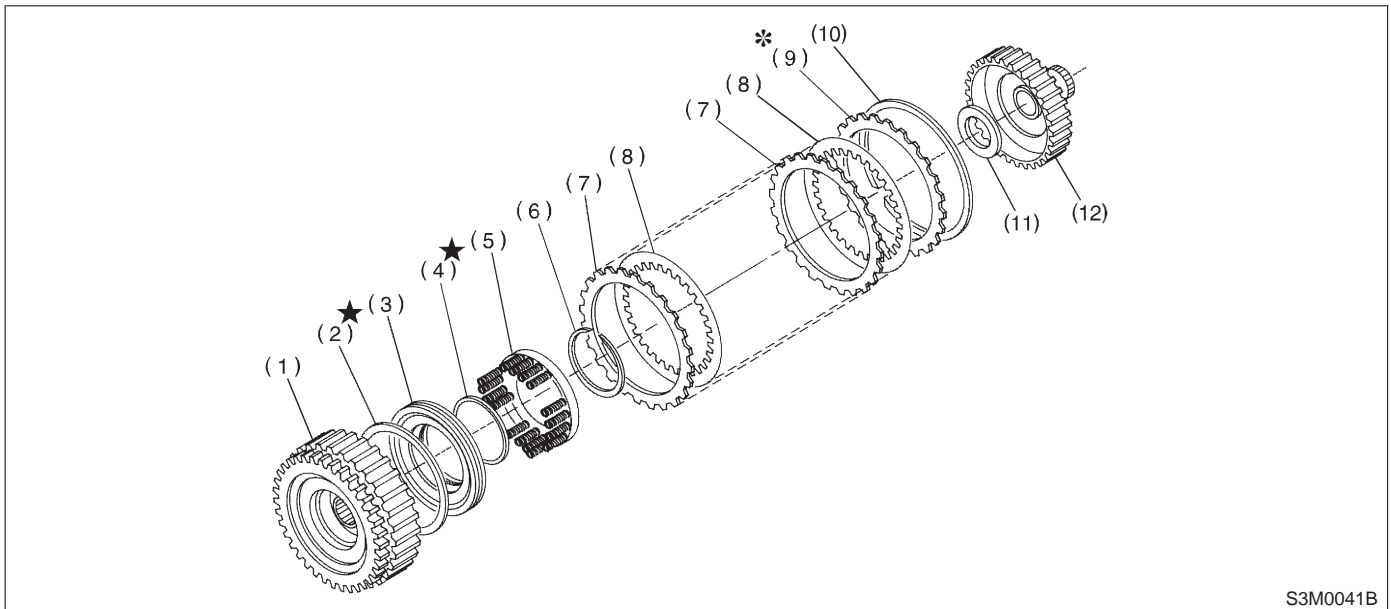
- |                         |                     |                            |
|-------------------------|---------------------|----------------------------|
| (1) High clutch drum    | (5) Spring retainer | (9) Retaining plate        |
| (2) Lathe cut seal ring | (6) Snap ring       | (10) Snap ring             |
| (3) High clutch piston  | (7) Driven plate    | (11) Thrust needle bearing |
| (4) Lathe cut seal ring | (8) Drive plate     | (12) High clutch hub       |

- 1) Remove the snap ring, and take out the retaining plate, drive plates, and driven plates.
- 2) Using the ST1, ST2 and ST3, remove the snap ring and take out the spring retainer.  
ST1 398673600 COMPRESSOR  
ST2 398177700 INSTALLER  
ST3 399893600 PLIERS
- 3) Apply compressed air to the clutch drum to remove the piston.

### B: INSPECTION

- 1) Drive plate facing for wear and damage
- 2) Snap ring for wear, return spring for setting and breakage, and spring retainer for deformation
- 3) Lathe cut seal rings (large) (small) for damage
- 4) Piston check ball for smooth operation

C: ASSEMBLY



S3M0041B

- |                         |                     |                            |
|-------------------------|---------------------|----------------------------|
| (1) High clutch drum    | (5) Spring retainer | (9) Retaining plate        |
| (2) Lathe cut seal ring | (6) Snap ring       | (10) Snap ring             |
| (3) High clutch piston  | (7) Driven plate    | (11) Thrust needle bearing |
| (4) Lathe cut seal ring | (8) Drive plate     | (12) High clutch hub       |

1) Using the ST1, ST2 and ST3 as those used in disassembling, assemble the piston, spring retainer, and snap ring.

ST1 398673600 COMPRESSOR

ST2 398177700 INSTALLER

ST3 399893600 PLIERS

2) Install the driven plate (thinner), drive plates, driven plates (thicker), and retaining plate in that order. Then attach the snap ring.

3) Checking operation:

Apply compressed air intermittently to the oil hole, and check the high clutch for smooth operation.

4) Measuring clearance (Retaining plate selection):

NOTE:

Before measuring clearance, place the same thickness of shim on both sides to prevent retaining plate from tilting.

**Standard value:**

**1.8 — 2.2 mm (0.071 — 0.087 in)**

**Allowable limit:**

**2.6 mm (0.102 in)**

Available retaining plates	
Part No.	Thickness mm (in)
31567AA190	3.6 (0.142)
31567AA200	3.8 (0.150)
31567AA210	4.0 (0.157)
31567AA220	4.2 (0.165)
31567AA230	4.4 (0.173)
31567AA240	4.6 (0.181)
31567AA250	4.8 (0.189)
31567AA260	5.0 (0.197)