



Installation of the bearings requires a press. Refer to *Bearing Replacement* in Chapter One. Before removing the bearings, record the direction in which the bearing manufacturer's marks face for proper installation.

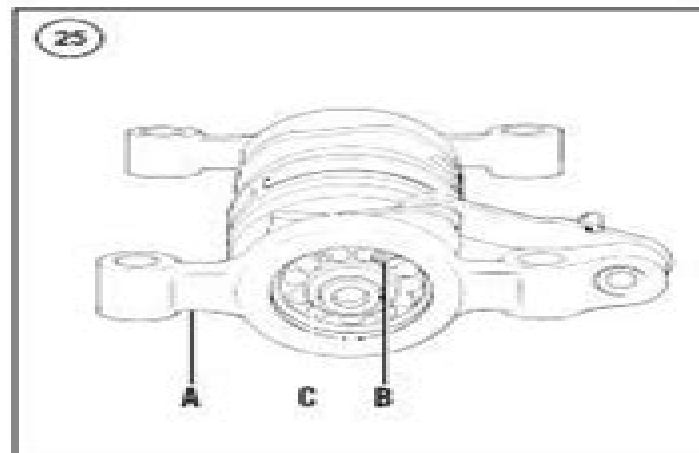
SHIFTER CAM (2001)

The shifter cam mounts on top of the transmission case, underneath the transmission top cover. The shifter cam assembly can be serviced with the transmission installed in the frame.

Refer to Figure 22.

Removal

1. Remove the transmission top cover as described in this chapter.
2. Remove the shifter cam support block mounting bolts and lockwashers (Figure 23).
3. Lift the shifter cam pawl off the cam pins to free the assembly.
4. Carefully lift the shifter cam assembly up and out of the transmission case.



5. Remove the four dowel pins from the transmission case.

Installation

1. Install the four dowel pins into the transmission case.
2. Lift the shifter cam pawl up out of the way.
3. Carefully install the shifter cam assembly into the transmission case. Align the shifter fork pins with the shifter cam slots (Figure 24).
4. Lower the shifter cam pawl and engage it with the cam pins.
5. Install the shifter cam support block mounting bolts and lockwashers (Figure 23). Tighten in a crisscross pattern to the specification in Table 3.
6. Install the transmission top cover as described in this chapter.

Disassembly

1. On the right side, perform the following:
 - a. Slide the right side support block (A, Figure 25) off the shifter cam.
 - b. Remove the retaining ring (B, Figure 25) and withdraw the bearing (C, Figure 25) from the support block.
2. On the left side, perform the following:

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