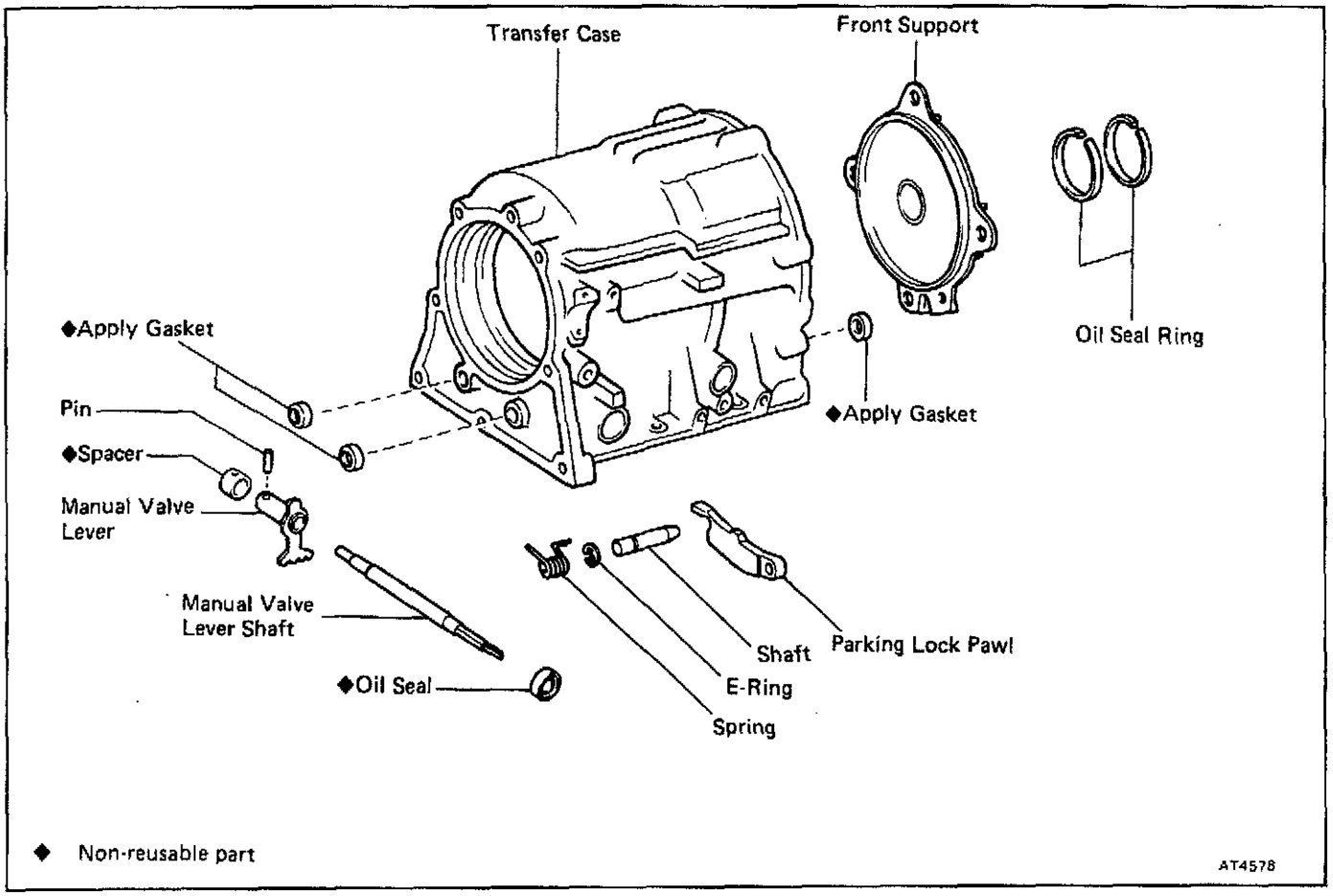
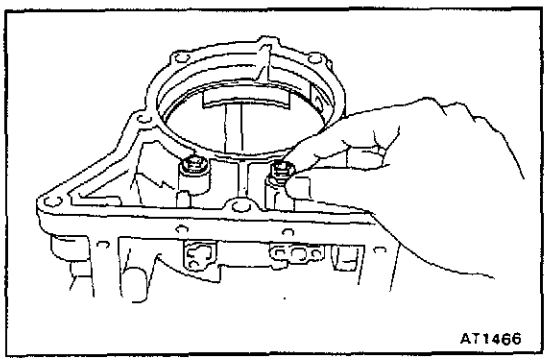
TRANSFER CASE AND FRONT SUPPORT

COMPONENTS

AT0K8–01



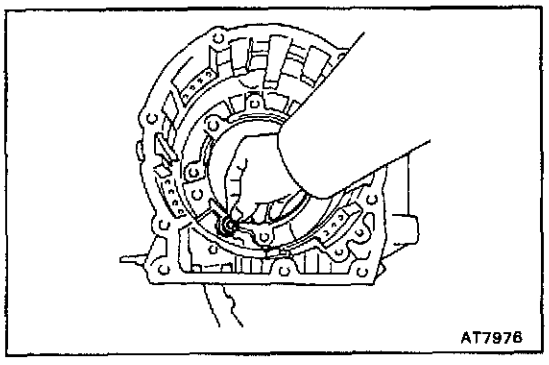


TRANSFER CASE AND FRONT SUPPORT DISASSEMBLY

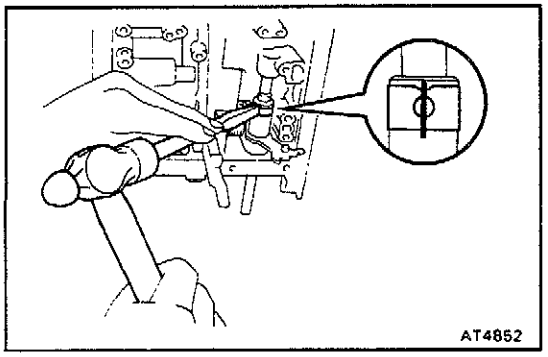
AT0KC–02

1. REMOVE APPLY GASKETS

(a) Remove the 2 apply gaskets from the transfer case front side.

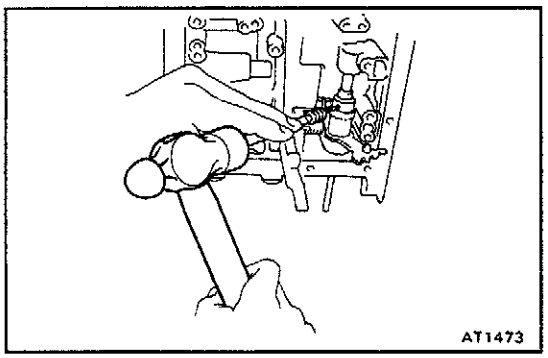


(b) Remove the apply gasket from the transfer case inner side.

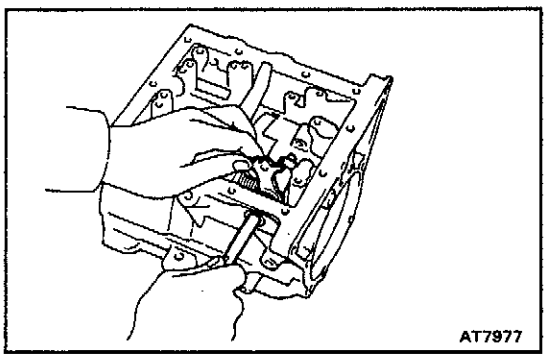


2. REMOVE TRANSFER MANUAL VALVE LEVER AND SHAFT

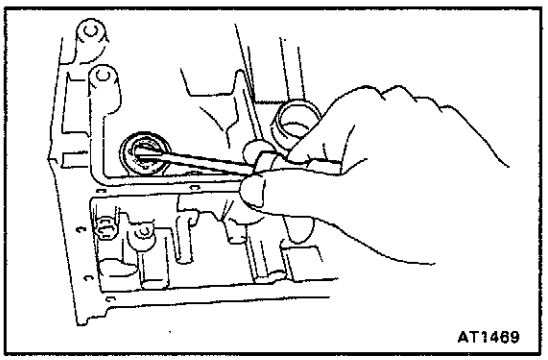
(a) Using a chisel, cut off the spacer and remove it from the shaft.



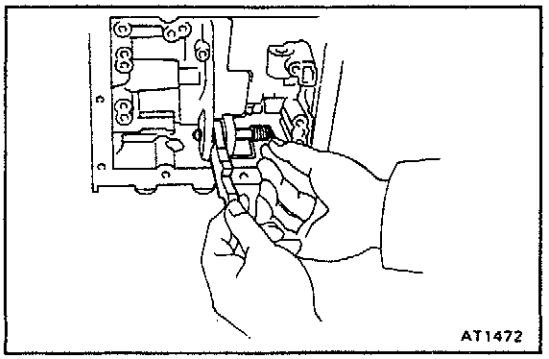
(b) Using a pin punch and hammer, drive out the pin.



(c) Slide the shaft out through the case and remove the manual valve lever.



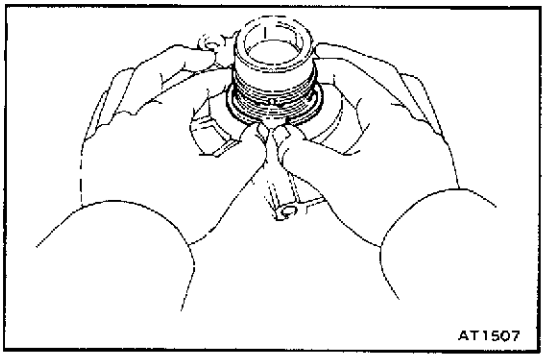
(d) Using a screwdriver, remove the oil seal from the case.



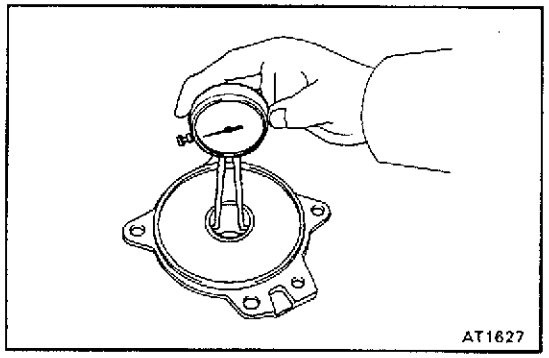
3. REMOVE SPRING, SHAFT AND PARKING LOCK PAWL

(a) Remove the spring, shaft and parking lock pawl.

(b) Remove the E–ring from the shaft.



4. REMOVE OIL SEAL RINGS FROM FRONT SUPPORT



FRONT SUPPORT INSPECTION

AT0K0-02

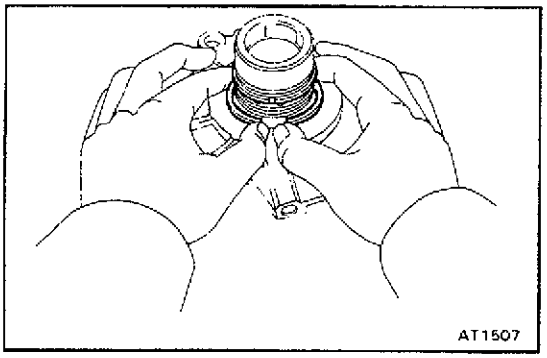
INSPECT FRONT SUPPORT BUSHING

Using a dial indicator, measure the inside diameter of the front support bushing.

Maximum inside diameter:

31.40 mm (1.2362 in.)

If the inside diameter is greater than the maximum, replace the front support.



TRANSFER CASE AND FRONT SUPPORT ASSEMBLY

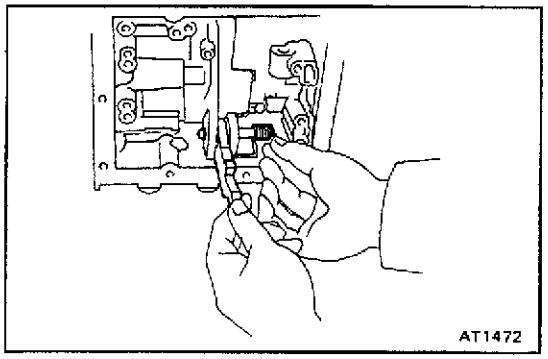
AT0KE-02

1. INSTALL OIL SEAL RINGS TO FRONT SUPPORT

Coat the 2 oil seal rings with ATF and install them onto the front support.

NOTICE: Do not spread the ring ends more than necessary.

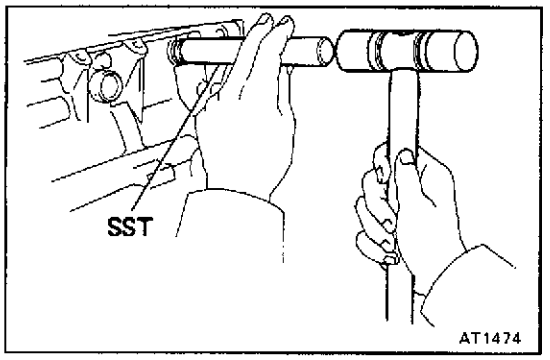
HINT: After installing the oil seal rings, check that they rotate smoothly.



2. INSTALL PARKING LOCK PAWL, SHAFT AND SPRING IN CASE

(a) Install the E–ring to the shaft.

(b) Install the parking lock pawl, shaft and spring.

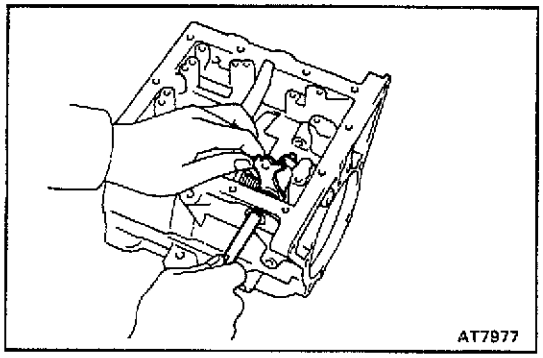


3. INSTALL MANUAL VALVE LEVER AND SHAFT

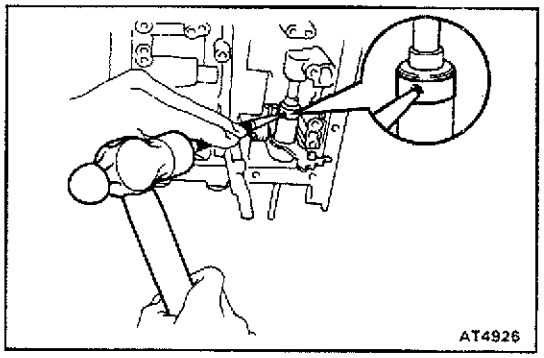
(a) Using SST and a hammer, drive in a new oil seal to the case.

SST 09350–30020 (09350–07110)

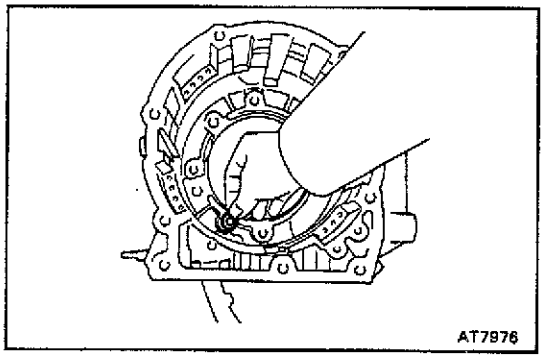
(b) Coat the oil seal lip with MP grease.



(c) Assemble a new spacer to the manual valve lever.
(d) Install the manual valve lever shaft to the transfer case through the manual valve lever.
(e) Drive in the roll pin to the shaft.

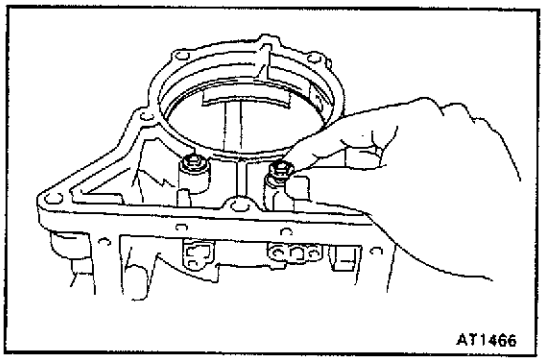


(f) Match the spacer hole to the lever calking hollow and calk the spacer to the lever.
(g) Make sure the manual valve lever shaft turns smoothly.



4. INSTALL APPLY GASKETS

(a) Install a new apply gasket to the transfer case inner side.



(b) Install the 2 new apply gaskets to the transfer case front side.