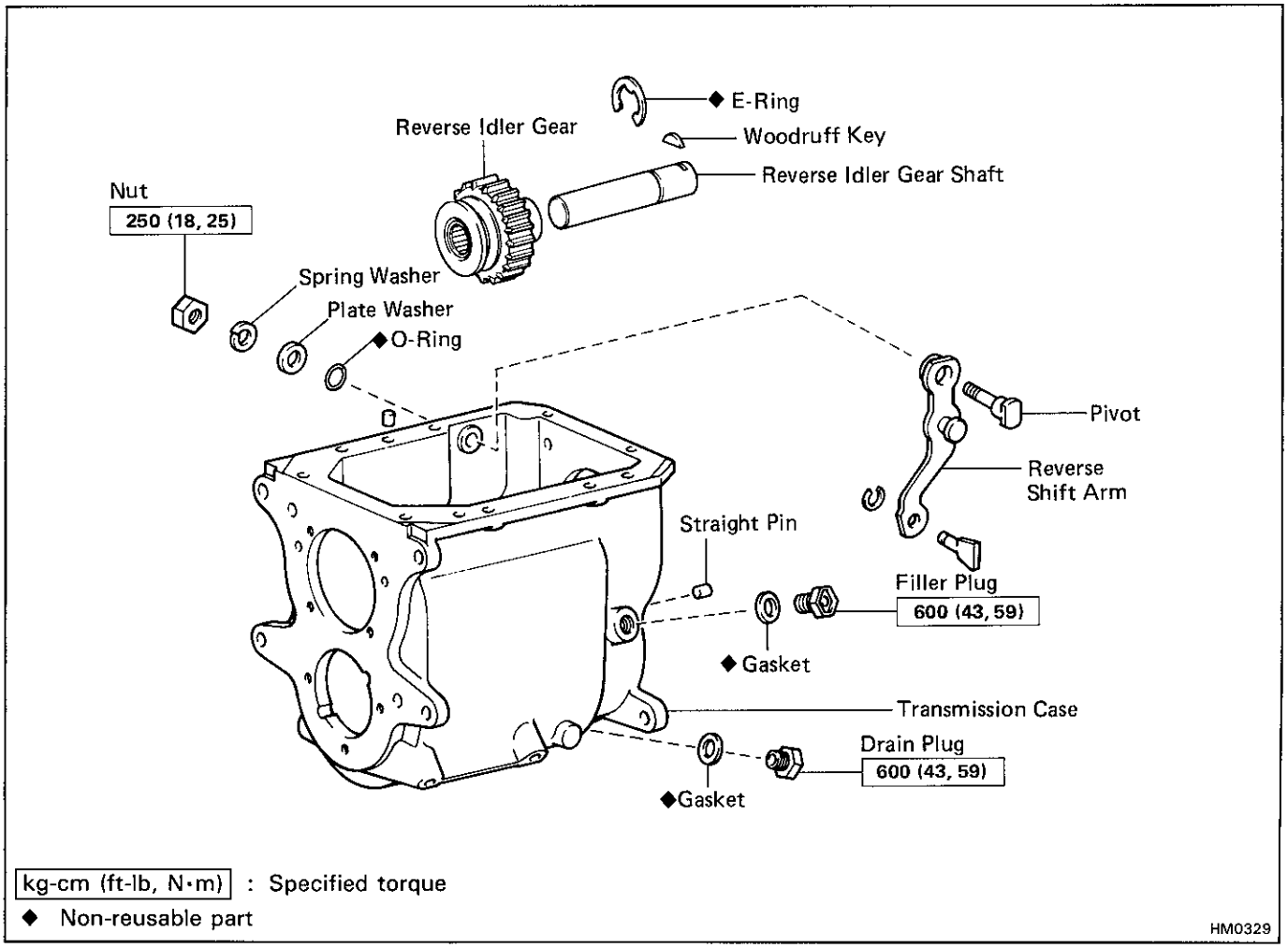
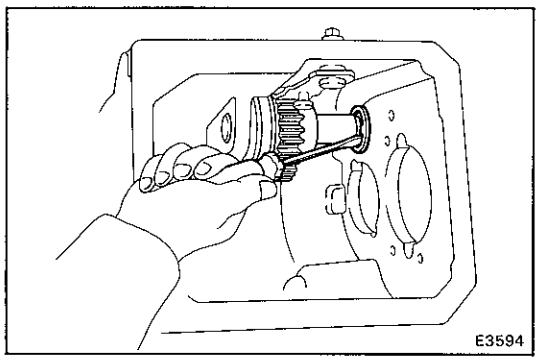
Transmission Case Assembly

COMPONENTS



kg-cm (ft-lb, N·m) : Specified torque
◆ Non-reusable part

HM0329

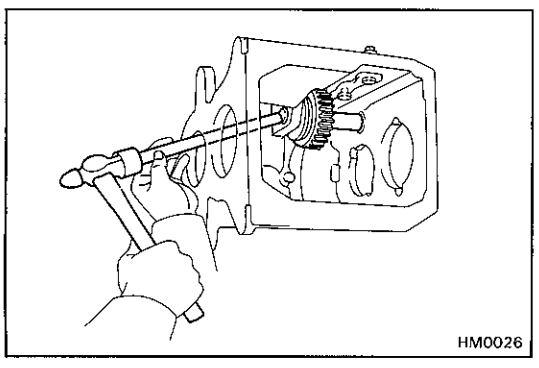


E3594

DISASSEMBLY OF TRANSMISSION CASE ASSEMBLY

1. REMOVE REVERSE IDLER GEAR AND SHAFT

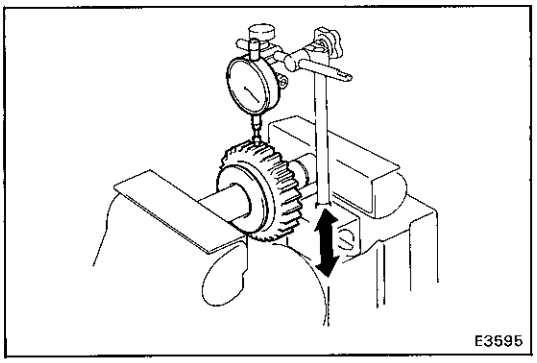
(a) Using a screwdriver, remove the E-ring.



HM0026

(b) Using a brass bar and hammer, tap out the reverse idler gear shaft toward the rear.

(c) Remove the reverse idler gear and woodruff key.

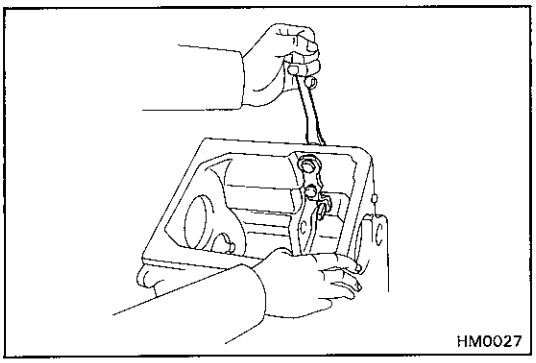


2. MEASURE REVERSE IDLER GEAR OIL CLEARANCE

Using a dial indicator, measure the reverse idler gear oil clearance.

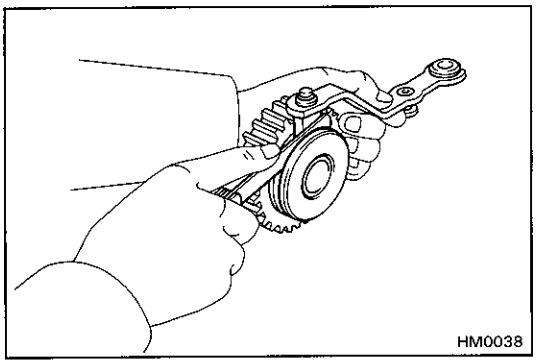
Standard clearance: **0.065 — 0.103 mm (0.0026 — 0.0041 in.)**

Maximum clearance: **0.11 mm (0.0043 in.)**



3. REMOVE REVERSE SHIFT ARM FROM TRANSMISSION CASE

Remove the nut, washers, O-ring, pivot arm, and reverse shift arm.



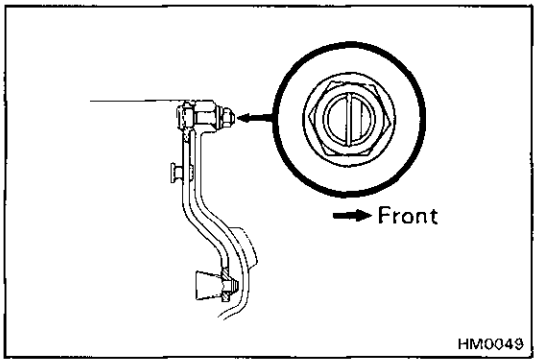
4. MEASURE CLEARANCE OF SHIFT ARM AND REVERSE IDLER GEAR

Using a feeler gauge, measure the shift arm and reverse idler gear clearance.

Standard clearance: **0.1 — 0.3 mm (0.0039 — 0.0118 in.)**

Maximum clearance: **0.35 mm (0.0138 in.)**

If the clearance more than the limit, replace the shift arm shoe or reverse idler gear.

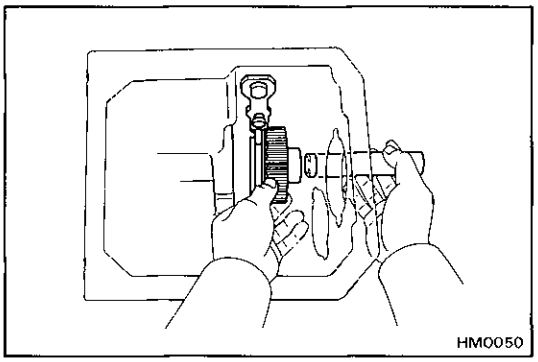


ASSEMBLY OF TRANSMISSION CASE ASSEMBLY

1. INSTALL REVERSE SHIFT ARM

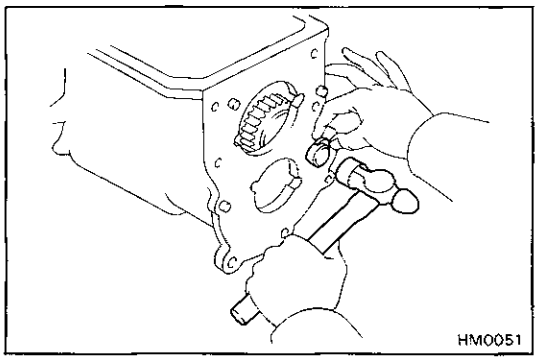
(a) Install the reverse shift arm so its pivot is positioned as shown.

(b) Install the O-ring, plate washer, spring washer and nut.

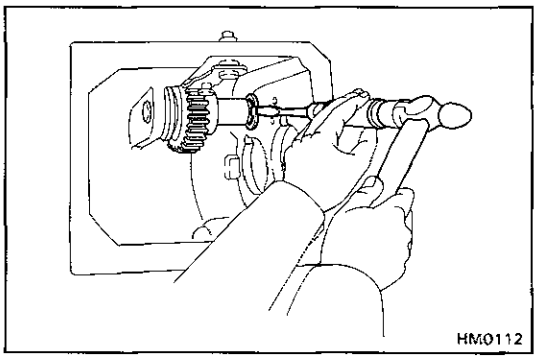


2. INSTALL REVERSE IDLER GEAR AND SHAFT

(a) Align the reverse idler gear groove with the reverse shift arm shoe.



(b) Install the reverse idler gear shaft with the woodruff key through the gear.



(c) Using a screwdriver and hammer, install a new E-ring.