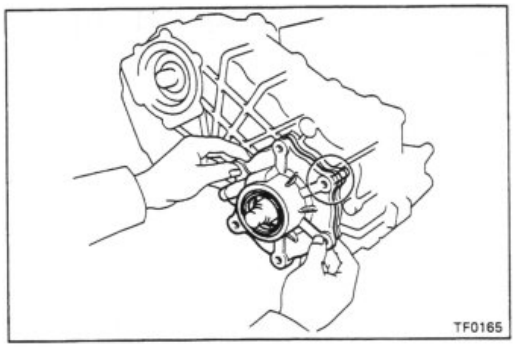
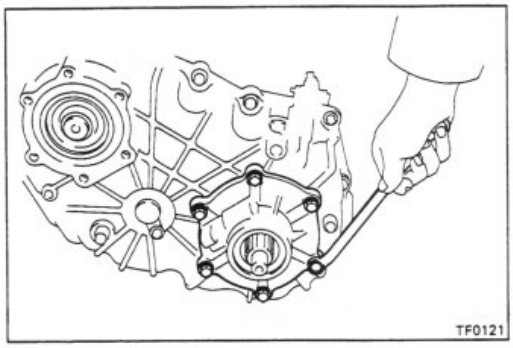


22. ADJUST REAR OUTPUT SHAFT PRELOAD

(a) Install the rear output shaft rear bearing retainer.

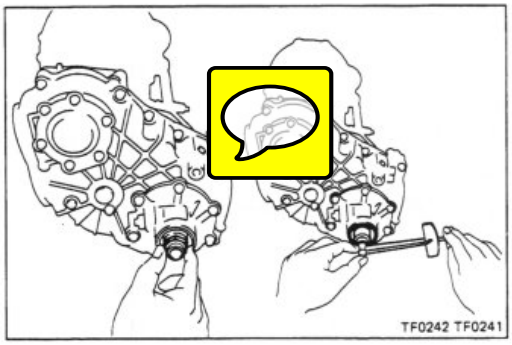
NOTE: Align the bearing retainer rib with the case.



(b) Torque the six bolts.

Torque: 350 kg-cm (25 ft-lb, 34 N·m)

(c) Shift the transfer lever to the "N" position.



(d) Temporarily install the rear companion flange lock nut.

(e) Using a torque meter, measure the rear output shaft preload. (Starting torque)

Preload:

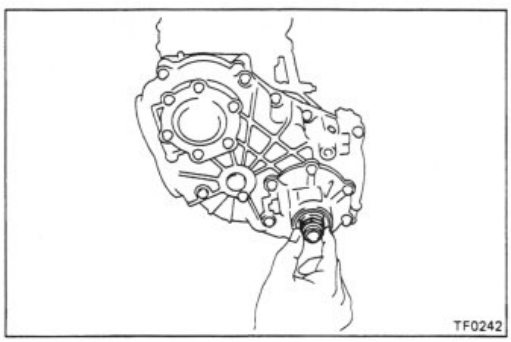
New bearing	**15 – 24.7 kg-cm (13.0 – 21.4 in.-lb, 1.5 – 2.4 N·m)**
Reused bearing	**7 – 12 kg-cm (6.1 – 10.4 in.-lb, 0.7 – 1.2 N·m)**

If the preload is not within specification, remove the outer race of the rear output shaft rear bearing with SST.

SST 09514-35011

Reselect an adjusting shim.

Mark	Thickness mm (in.)	Mark	Thickness mm (in.)
0	0.15 (0.0059)	10	1.0 (0.039)
4	0.4 (0.016)	11	1.1 (0.043)
5	0.5 (0.020)	12	1.2 (0.047)
6	0.6 (0.024)	13	1.3 (0.051)
7	0.7 (0.028)	14	1.4 (0.055)
8	0.8 (0.031)	15	1.5 (0.059)
9	0.9 (0.035)		



NOTE: The preload will change about 10.0 kg-cm (8.7 in.-lb, 1.0 N·m) with each shim thickness.

(f) Remove the rear companion flange lock nut.