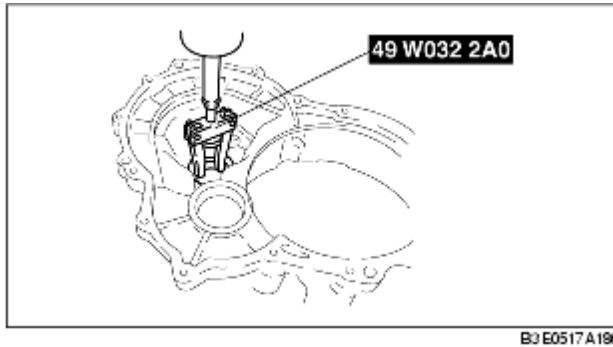


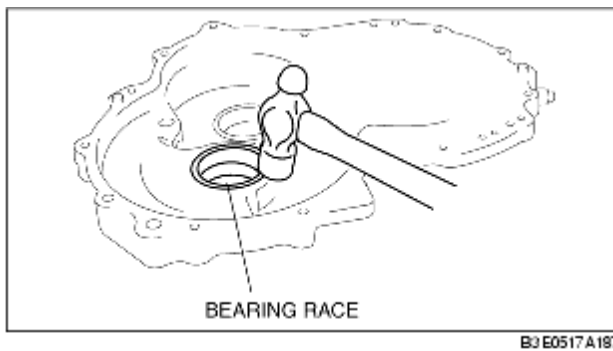
DIFFERENTIAL BEARING PRELOAD

B3E051719204A04

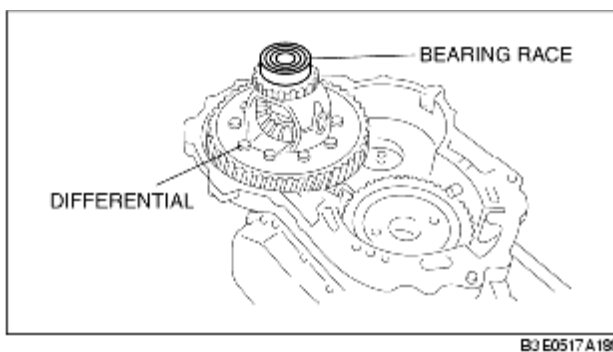
1. Remove the bearing race and adjustment shim from the converter housing using the **SST**.



2. Install the bearing race into the transaxle case.



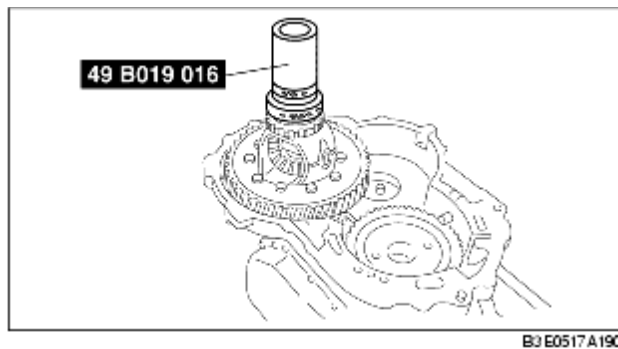
3. Set the differential on the transaxle case.



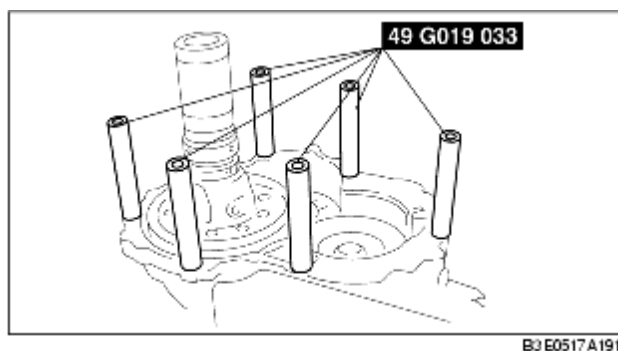
4. Turn the selector to eliminate the gap between its two halves.

5. Install the bearing race removed in Step 1 into the **SST**.

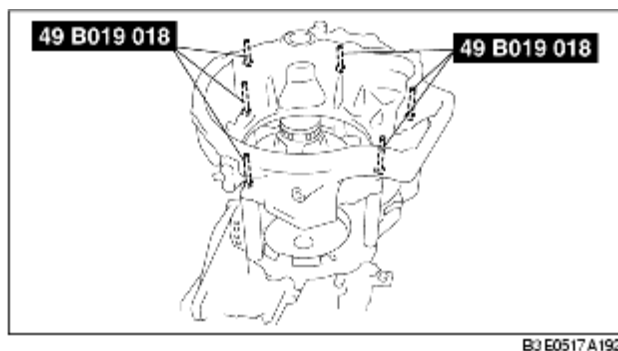
6. Set the differential on the **SST** (selector).



7. Set the six **SSTs** (collars) on the transaxle case in the position shown.



8. Set the converter housing on the transaxle case and tighten the **SSTs** (bolts) to the specified torque.



Tightening torque
19-25 N·m {1.9-2.6 kgf·m, 14-18 ft·lbf}

9. Turn the **SST** (selector) to increase the clearance (arrow) using the **SSTs** (bars), until it no longer turns. This is to seat the bearing race.

10. Turn the selector in the opposite direction until the preload is eliminated (gap is reduced).

11. Insert the **SST** through the converter housing and attach it to the pinion shaft.

12. Install the **SST** and a pull scale or torque wrench.

Note

- Read the preload when the differential starts to turn.
- Measure several times and calculate the average value.

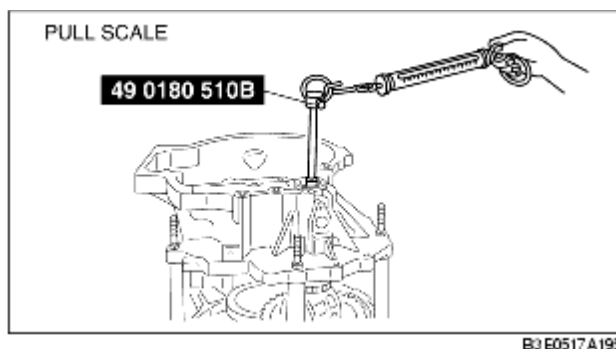
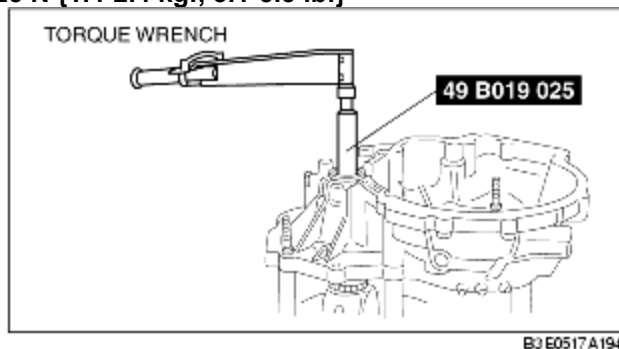
13. Adjust the clearance of the **SST** (selector) to obtain the specified preload/pull scale reading.

Preload:

1.4-2.3 N·m {14-24 kgf·cm, 12-20 in·lbf}

Reading on pull scale:

14-23 N {1.4-2.4 kgf, 3.1-5.3 lbf}



Note

- Measure the clearance around the entire circumference, and select a shim based on the maximum clearance.
- The maximum allowable number of adjustment shim is one.

14. Measure the clearance as shown.

15. Take the maximum reading and determine the shim to be used.

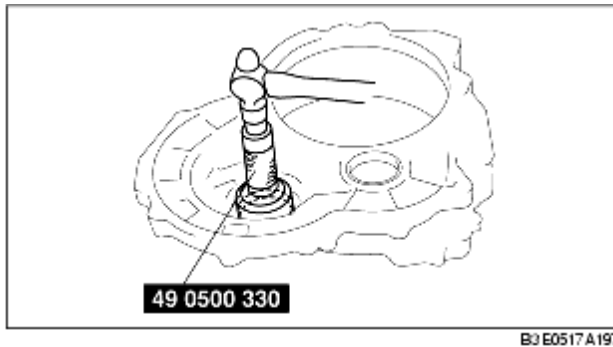
Adjustment shim sizes

mm {in}

0.50 {0.020}	0.55 {0.022}	0.60 {0.024}
0.65 {0.026}	0.70 {0.028}	0.75 {0.030}
0.80 {0.031}	0.85 {0.033}	0.90 {0.035}
0.95 {0.037}	1.00 {0.039}	1.05 {0.041}
1.10 {0.043}	1.15 {0.045}	1.20 {0.047}
1.25 {0.049}	1.30 {0.051}	1.35 {0.053}
1.40 {0.055}	1.45 {0.057}	1.50 {0.059}
1.55 {0.061}	-	-

16. Remove the converter housing and **SST** (selector).

17. Install the required adjustment shim and tap the bearing race into the converter housing.



18. Install the converter housing.

Tightening torque

19-25 N·m {1.9-2.6 kgf·m, 14-18 ft·lbf}

19. Install the **SST** to the pinion shaft through the converter housing.

Note

- Measure several times and calculate the average value.

20. Verify that the preload is within the specification. If not, return to Step 1.

Preload

1.4-2.3 N·m {14-24 kgf·cm, 12-20 in·lbf}

Reading on pull scale

14-23 N {1.4-2.4 kgf, 3.1-5.3 lbf}

21. Remove the converter housing.