



Fig. 6 Adjusting the MLP sensor

Extension Housing Seal

REMOVAL & INSTALLATION

1. Raise and safely support the vehicle.
2. Remove the driveshaft according to the procedure in this section.
3. Carefully remove the seal, using a suitable seal removal tool.
4. Inspect the sealing surface of the driveshaft yoke for scoring or damage. If scored or damaged, the yoke must be replaced.
5. Inspect the seal bore in the extension housing for burrs or damage. Burrs can be removed with crocus cloth.

To install:

6. Install the seal in the housing using a suitable seal installer; the seal should be firmly seated in the bore.
7. Coat the inside diameter of the rubber portion of the seal with grease.
8. Install the driveshaft as described in this Section.
9. Lower the vehicle. Operate the vehicle and check for leaks.

Automatic Transmission Assembly

REMOVAL & INSTALLATION

1. Disconnect the negative battery cable.
2. Raise the vehicle and support safely.
3. Drain the fluid from the transmission by removing all the transmission pan bolts except for one on each corner. Loosen the 4 bolts on the corner and drop the oil pan to allow the fluid to drain into a container. When drained, reinstall a few of the bolts to hold the pan in place.
4. Remove the converter bottom cover and remove the converter drain plug, to allow the converter to drain. After the converter has drained, reinstall the drain plug and tighten.

5. Remove the converter to flywheel nuts by turning the converter to expose the nuts.

➔ **Crank the engine over with a wrench on the crankshaft pulley-attaching bolt.**

6. Mark the position of the driveshaft on the rear axle flange and remove the driveshaft. Install a suitable plug in the transmission extension housing to prevent fluid leakage.
7. Disconnect the starter cable and remove the starter.
8. Disconnect the wiring from the neutral safety switch.

9. Remove the mount-to-crossmember and crossmember-to-frame bolts.
10. Remove the mount-to-transmission bolts.
11. On 1988-89 vehicles, disconnect the manual rod from the transmission manual lever using grommet removal tool T84P-7341-A or equivalent. On 1990-92 vehicles, disconnect the shift cable from the transmission. If equipped, disconnect the throttle valve cable from the transmission throttle valve lever.
12. On 1993-00 vehicles, detach the wiring connectors.
13. Remove the bellcrank bracket from the converter housing.
14. Position a suitable jack and raise the transmission.
15. Remove the transmission mount and crossmember.

➔ **It may be necessary to disconnect or remove interfering exhaust system components.**

16. Lower the transmission to gain access to the oil cooler lines.
17. Disconnect the oil cooler lines from the transmission.
18. If equipped, disconnect the speedometer cable from the extension housing.
19. Remove the transmission dipstick tube-to-engine-block retaining bolt and remove the tube and dipstick from the transmission.
20. Secure the transmission to the jack with a chain and remove the transmission-to-engine bolts.
21. Carefully pull the transmission and converter assembly rearward and lower them from the vehicle.

To install:

22. Tighten the converter drain plug to 21-23 ft. lbs. (28-30 Nm).
23. If removed, position the converter on the transmission and rotate into position to make sure the drive flats are fully engaged in the pump gear.

➔ **Lubricate the pilot with chassis grease.**

24. Raise the converter and transmission assembly.
25. Rotate the converter until the studs and drain plug are in alignment with the holes in the flywheel. Align the orange balancing marks on the

converter stud and flywheel boltholes if balancing marks are present.

26. Move the converter and transmission assembly forward into position, being careful not to damage the flywheel and converter pilot.

➔ **The converter face must rest squarely against the flywheel. This indicates that the converter pilot is not binding in the engine crankshaft. To ensure the converter is properly seated, grasp a converter stud. It should move freely back and forth in the flywheel hole. If the converter will not move, the transmission must be removed and the converter repositioned so the impeller hub is properly engaged in the pump gear.**

27. Install the transmission-to-engine attaching bolts. Tighten the bolts to 40-50 ft. lbs. (55-68 Nm).
28. Remove the safety chain from around the transmission.
29. Install a new O-ring on the lower end of the transmission dipstick tube and install the tube to the transmission case.
30. If equipped, connect the speedometer cable to the transmission case.
31. Connect the oil cooler lines to the right side of the transmission case.
32. Position the crossmember on the side supports.
33. Position the rear mount on the crossmember and install the attaching bolt/nut.
34. Secure the engine rear support to the transmission extension housing.
35. Install any exhaust system components, if removed.
36. Lower the transmission and remove the jack.
37. Secure the crossmember to the side supports with the attaching bolts.
38. If equipped, connect the throttle valve linkage to the throttle valve lever. On 1993-00 vehicles, attach the wiring harness connectors.
39. On 1988-89 vehicles, connect the manual linkage rod to the transmission manual lever using grommet installation tool T84P-7341-B or equivalent. On 1990-92 vehicles, connect the shift cable.
40. Install the converter to flywheel attaching nuts and tighten to 20-34 ft. lbs. (27-46 Nm).
41. Install the converter housing cover.
42. Secure the starter motor in place and attach all electrical connections.
43. Install the driveshaft, aligning the marks that were made during removal.
44. Install the transmission fluid pan bolts and tighten, evenly, to 107-119 inch lbs. (12-13.5 Nm).
45. Lower the vehicle.
46. Fill the transmission with the proper type and quantity of fluid, start the engine, and check the transmission for leakage.
47. Adjust the linkage as required.