



4T65E CHECK LIST

This is a Basic R&R reference only, if you should need further diagnosis assistance, please contact Technical Support at 1-800-303-4701

Help Reduce Failures by Following these Guidelines:

- ✓ Diagnose and repair all electronic and vehicle related concerns First.
- ✓ Check for calibrations and Technical Service Bulletins (TSB's).
- ✓ Compare Every Detail of New Unit and Torque Converter with your core before attempting installation.
- ✓ Flush and back flush cooler lines. If equipped with a cooler by pass valve, remove, disassemble clean and reinstall after flushing or replace with new.
- ✓ Inspect for kinked cooler lines.
- ✓ Fill unit with OEM approved ATF to recommended level before operation.
- ✓ Fix and clear all engine, ABS and U codes.
- ✓ Check and clean all grounds.
- ✓ Clean all Mass airflow sensors. Dirty MAF sensors can cause shift concerns and poor line rise.
- ✓ Check long term fuel trims.
- ✓ Reset all shift adapts.
- ✓ **CHECK FOR PARK, ON A SLIGHT HILL, MAKE SURE IT HOLDS.**

Fluid Type: Dexron IV

*After you fill, check the dipstick to make sure the fluid capacity has been met.

Failsafe Ranges (Limp Mode) Reverse, Manual 2nd and Manual 3rd

Checking Cooler Flow

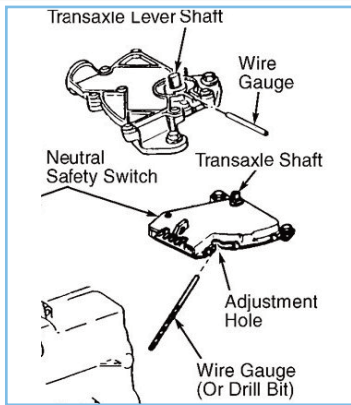
- Make sure to clear codes.
- Remove the check ball from the cooler line.
- Flush cooler and make sure the cooler flows at least a quart in 15 seconds.
- Cooler flow needs to be checked in neutral at 1000 RPM.
- Check torque converter bolts for proper length.
- Always check fluid level in neutral with E-brake applied.
- If vehicle has a cooler bypass valve, it must be removed, cleaned and or replaced.

MLPS

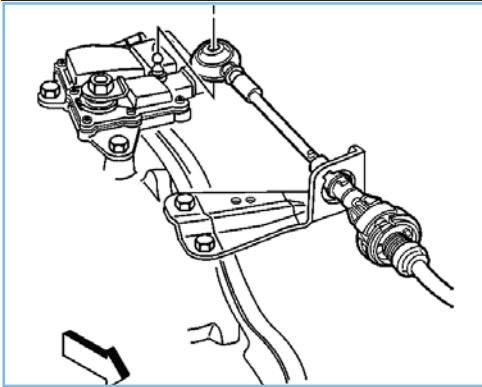


1. Neutral Safety switches come in 2 different types. Ensure shift cable is adjusted. To adjust switch, place gear selector lever in Neutral.
2. Place transaxle lever in Neutral detent. Loosen switch attaching screws. Rotate switch on shifter assembly to align adjustment hole with carrier tang hole.
3. Insert a .094" (2.4 mm) wire gauge about 5/8" (16 mm) into switch holes. Tighten attaching screws. Remove wire gauge. New switches may have a plastic pin installed in hole. Plastic pin is designed to shear off during initial shift lever operation.

MLPS Continued



Cable Adjustment



NOTE

ADJUST THE AUTOMATIC TRANSAXLE RANGE SELECTOR CABLE WHILE THE TRANSAXLE AND WHILE THE GEAR SELECTOR ARE IN THE NEUTRAL POSITION ONLY. FAILURE TO DO SO MAY CAUSE MISADJUSTMENT

1. Set the parking brake.
2. Block the wheels.
3. Use an appropriate tool to pry on the automatic transaxle range selector cable terminal at the automatic transaxle range selector lever pin to remove the automatic transaxle range selector cable terminal from the transaxle manual shaft lever pin. DO NOT pry and DO NOT pull up on any other part of the automatic transaxle range selector cable or damage may occur.
4. Fully lift the adjuster lock button. Ensure the adjuster is free to move.
5. Rotate the automatic transaxle range selector lever fully counterclockwise to the Park gear, then rotate the lever clockwise 2 clicks into the Neutral gear to place the automatic transaxle range selector lever in the Neutral gear.
6. Perform the following steps to place the inside car gear shifter in the Neutral position:
 - a. Rotate the shift lever to the Low 1 position, fully down.
 - b. Push forward on the lever while slowly pushing up. The gear shift lever moves up while clicking over the gear over travel stops.
 - c. Release the gear shift lever once the gear shift lever stops solidly. The gear shift lever is in the Neutral gear.
7. Grasp the automatic transaxle range selector cable terminal that is under the hood.
8. Pull the automatic transaxle range selector cable terminal toward the pin on the automatic transaxle range selector lever. The automatic transaxle range selector cable adjuster spring should compress as the terminal is moved toward the pin.
9. Carefully push down the pin until the pin snaps to attach the pin to the automatic transaxle range selector lever. Do NOT move the automatic transaxle range selector lever out of position. DO NOT pull the terminal beyond the pin then push back or the shifter may move out of the Neutral gear.
10. Press the adjuster lock button down flush with the adjuster body.
11. Shift to Park.
12. Release the parking brake while applying the service brake.
13. Start the engine.
14. Ensure all the indicated gear positions match the vehicle response