

TRANSFER CASE MOTOR INSTALLATION GUIDE



READ THIS FIRST:

We strongly recommend that you refer to a professional service manual before attempting to make repairs. If you do not have such a manual, or lack the experience, you should seek the services of a qualified technician. This unit is guaranteed to fit and function in the applications for which it is listed. Carefully verify the replacement unit number received is correct for the vehicle.

REMOVAL:

1. If vehicle is equipped with air ride suspension, turn off air suspension before raising vehicle.
2. Remove skid plate or other obstruction to gain access to transfer case motor (if necessary). Save all hardware.
3. Disconnect transfer case motor harness connector(s).

NOTE: Some applications may require loosening or removing the front drive shaft.

4. Remove bolts securing motor to case. Remove motor.

NOTE FOR FORD VEHICLES:

The motor may still be tethered to the vehicle by speed sensor wires. These wires must be carefully transferred to the replacement motor connector as described below (refer to a service manual for detailed procedures).

- First remove red locking tab. Carefully record wire pin positions.
 - Using a suitable tool, release each wire pin.
 - Install wire pins in the replacement motor connector exactly as in the original motor connector until they snap in place.
 - Verify pin placement.
 - Replace red locking tab. This completes wire pin transfer.
5. Note position of transfer case shaft.

INSTALLATION:

NOTICE: DO NOT OPERATE MOTOR UNTIL INSTALLATION IS COMPLETE, PERMANENT DAMAGE TO MOTOR OR TRANSFER CASE COULD RESULT.

1. Apply a 3 mm (1/8 inch) bead silicone rubber sealant to replacement motor mounting surface. (Ford vehicles only).
2. Transfer any hardware from the original unit that was not supplied with the replacement motor. Some applications with magnesium transfer case housings use a formed gasket to prevent metal corrosion. This gasket **MUST** be transferred to the replacement unit.
3. Engage motor drive socket a transfer case shaft (**DO NOT FORCE**).

NOTE: IF SHAFT POSITION DOES NOT LINE UP, TRANSFER CASE SHAFT MUST BE ADJUSTED TO ACCEPT MOTOR.

4. Reverse removal procedure install motor using original mounting hardware. Torque bolts to OE vehicle recommended specifications.

NOTE: Over-torqued bolts or misalignment will damage unit and **VOID UNIT WARRANTY.**

5. Install remaining hardware necessary.
6. Use a suitable scan tool to cle any existing ATC trouble codes. **DO NOT OPERATE MOTOR UNTIL ATC CODES ARE CLEARED.**