

# REMOVAL & INSTALLATION

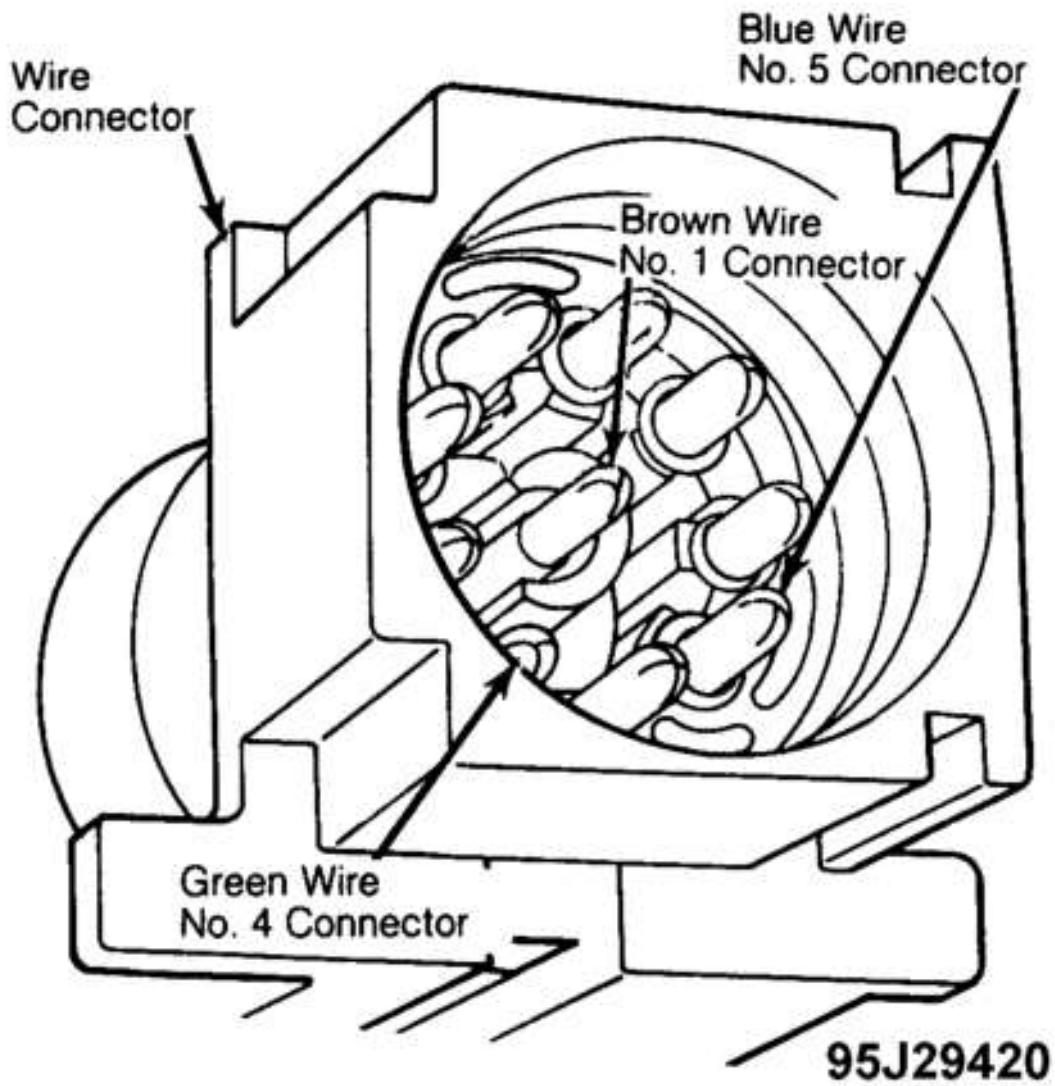
## TRANSFER CASE

### Removal

1. Raise vehicle on hoist. Remove skid plate (if equipped). Remove drain plug and drain transfer case lubricant. Disconnect 4WD indicator switch wire at transfer case. On electric shift models, disconnect wiring harness plug at rear of transfer case. On manual and electric shift models, disconnect front drive shaft from axle input yoke.
2. Loosen clamp retaining front drive shaft boot to transfer case. Pull drive shaft and front boot assembly out of transfer case front output shaft. Disconnect rear drive shaft from transfer case output yoke. Disconnect speedometer driven gear from case rear cover.
3. Disconnect vent hose from control lever. Loosen or remove large and small bolts retaining shifter to extension housing. Pull on control lever until bushing slides off transfer case shift lever pin. If necessary, unscrew shift lever from control lever. Remove heat shield from transfer case.
4. Support transfer case with a transmission jack. Remove transfer case-to-transmission bolts. Slide transfer case rearward off transmission, and lower case from vehicle. Remove gasket from between transfer case and extension housing.

### Installation

1. Install new transfer case-to-extension housing gasket. Position transfer case so input shaft splines align with transmission output shaft. Slide case forward onto transmission output shaft and dowel pin.
2. Install transfer case-to-transmission bolts. Tighten bolts evenly and in a clockwise sequence from locating pin, as viewed from front of vehicle.
3. Remove jack from transfer case. Install heat shield on transfer case. Move control lever until bushing is in position over transfer case shift lever pin. Install both attaching bolts by hand. Tighten large bolt retaining shifter to extension housing first. Tighten small bolt next.
4. Install vent assembly so White marking on hose is in position in notch on shifter. Vent hose should be positioned so that upper end of hose is about 2" above top of shifter and inside shift boot. Connect speedometer gear to transfer case rear cover.
5. Connect rear drive shaft to transfer case output shaft yoke. Clean transfer case front output shaft female splines. Apply a small amount of multipurpose grease to splines. Insert front drive shaft male spline.
6. Connect front drive shaft to axle input yoke and tighten bolts. Push drive shaft boot to engage external groove on transfer case front output shaft. Secure boot with clamp. Connect 4WD indicator switch wire connector at transfer case. On electric shift models, plug in motor wire connectors.
7. Install drain plug and tighten. Fill transfer case with Dexron II ATF. Install fill plug. Install skid plate to frame and tighten bolts, if used.



**Fig. 10: Electric Shift Harness Connector**  
Courtesy of FORD MOTOR CO.