

General

This repair group covers removal and installation of the all wheel drive transfer case. Internal transfer case repair is not covered. Special press tools and procedures are required to disassemble and service the internal geartrain.

Some procedures covered in this repair group will require you to refer to the following repair groups:

◆ ⇒ [180 Exhaust System](#)

◆ ⇒ [260 Driveshaft](#)

The transfer case is used in all wheel drive models to direct power from the transmission to both the front and rear differentials via driveshafts. This transfer case is unique in that it delivers 38% of the transmission's torque output to the front differential, and 62% of the torque to the rear. Unlike the transfer cases used in many four wheel drive trucks, the transfer case used is a single range unit, permanently engaged to drive all four wheels all of the time.

Transfer Case

Transfer case, removing and installing

- Raise vehicle and safely support to access transfer case.

WARNING!

- ♦ *When raising the car using a floor jack or a hydraulic lift, carefully position the jack pad to prevent damaging the car body. A suitable liner (wood, rubber, etc.) should be placed between the jack and the car to prevent body damage.*

- ♦ *Watch the jack closely. Make sure it stays stable and does not shift or tilt. As the car is raised, the car may roll slightly and the jack may shift.*

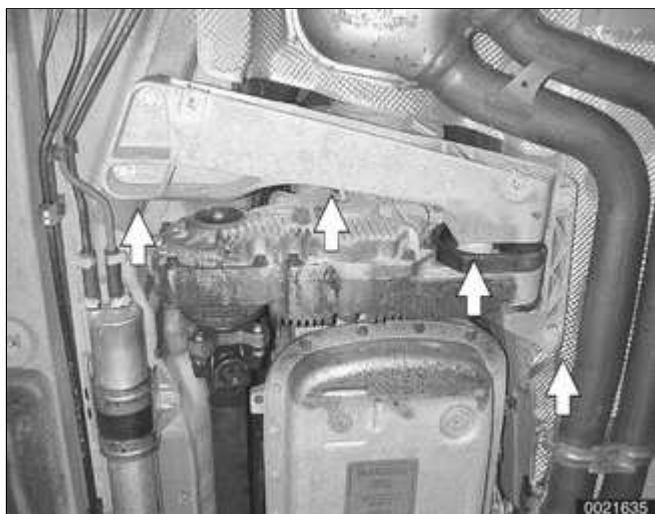
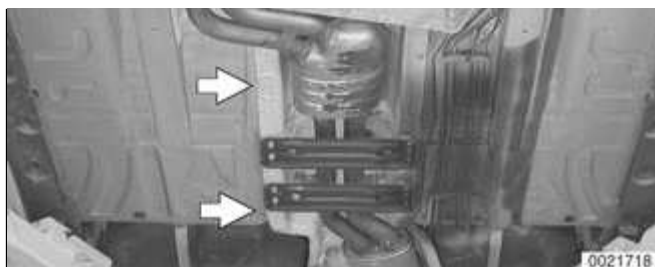
- Remove engine splash guard from underside of vehicle.

- Remove exhaust system. See ⇒ [180 Exhaust System](#).



- ✦ Remove exhaust system heat shields (arrows).

- Remove front drive shaft. See ⇒ [260 Driveshaft](#).
- Support transmission with transmission jack or suitable shop hoist.



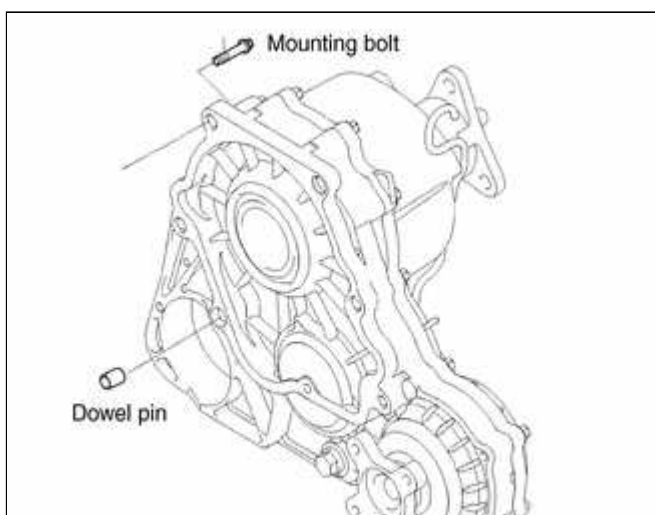
➤ Remove transmission crossmember (arrows).

- Detach transfer case vent tube.
- Keeping the driveshaft in place, remove nuts retaining rear driveshaft to transfer case at flexible disc.

CAUTION!

Do not allow the driveshaft to hang down. This may damage universal joints at drive shaft ends.

- Support rear driveshaft center bearing and release mounting nuts.
- Lower rear driveshaft at center bearing and remove from transmission output flange at flexible disk. Support from vehicle body using stiff wire.



➤ Remove bolts retaining transfer case to transmission and remove transfer case.

- Installation is reverse of removal, noting the following:
- ◆ Replace dowel pins in transfer case mounting surface if damaged.
- ◆ Coat dowel pins with anti-seize



before installing.

- ◆ On manual transmission cars:
Replace sealing O-ring between
transmission and transfer case.

Note:

*When refilling transfer case, recheck oil
level again after driving car
approximately 200 meters (600 ft).*

Tightening torques	
Transmission crossmember to body (M8)	21 Nm (15 ft-lb)
Transfer case to transmission (M10)	41 Nm (30 ft-lb)
Transfer case filler plug (M18)	33 Nm (24 ft-lb)

Fluid capacities	
Transfer case oil change	0.16 liter (0.16 qt.)
New transfer case fill	0.24 liter (0.25 qt.)