

2002 AUTOMATIC TRANSMISSIONS

Removal & Installation - Sedona

APPLICATION

TRANSAXLE APPLICATION

Application	Transaxle Model
Sedona	F5A51-3

REMOVAL & INSTALLATION

WARNING: Vehicle is equipped with Supplemental Inflatable Restraint (SIR) system. When servicing vehicle, use care to avoid accidental air bag deployment. SIR system-related components are located in various locations throughout interior and exterior of vehicle, depending on application. Do not use electrical test equipment on or near these circuits. If necessary, deactivate SIR system before servicing components. See appropriate AIR BAG DEACTIVATION PROCEDURES article in GENERAL INFORMATION.

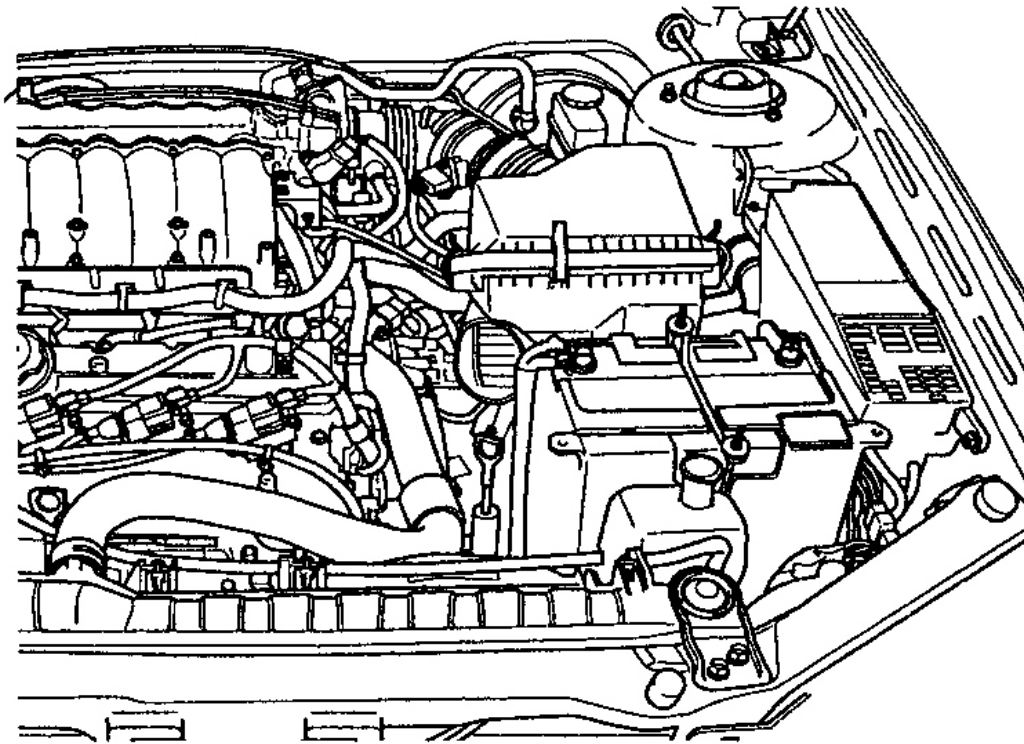
CAUTION: When battery is disconnected, vehicle computer and memory systems may lose memory data. Driveability problems may exist until computer systems have completed a relearn cycle. See COMPUTER RELEARN PROCEDURES article in GENERAL INFORMATION before disconnecting battery.

NOTE: For manual transmission removal procedure, see appropriate article in CLUTCHES.

TRANSAXLE

Removal

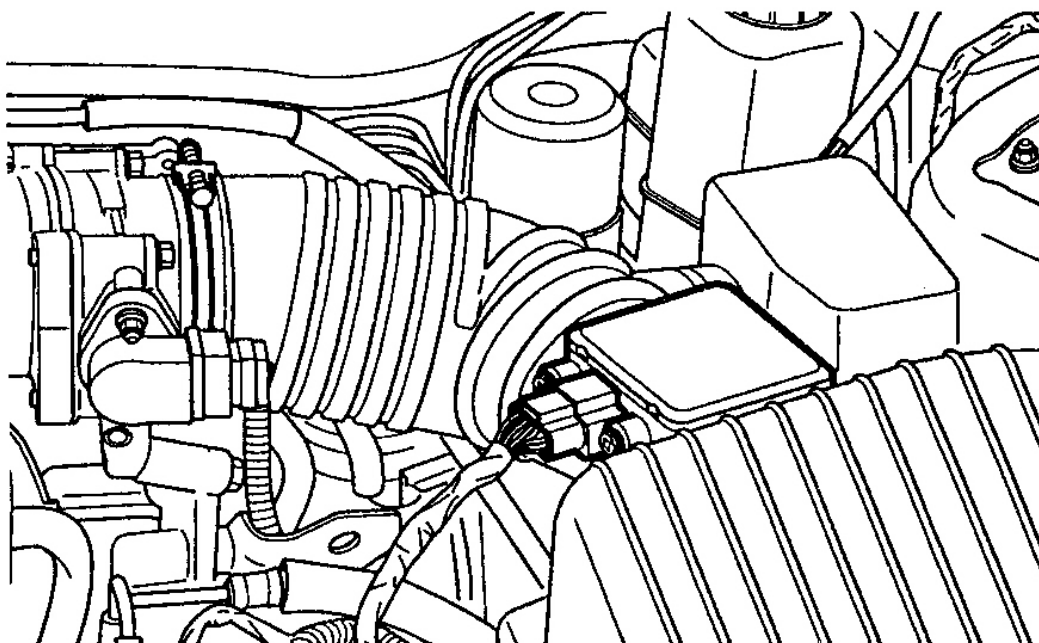
1. Remove the battery and the tray assembly. See **Fig. 1** .



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Fig. 1: View Of Battery & Tray Assembly
Courtesy of KIA MOTORS AMERICA, INC.

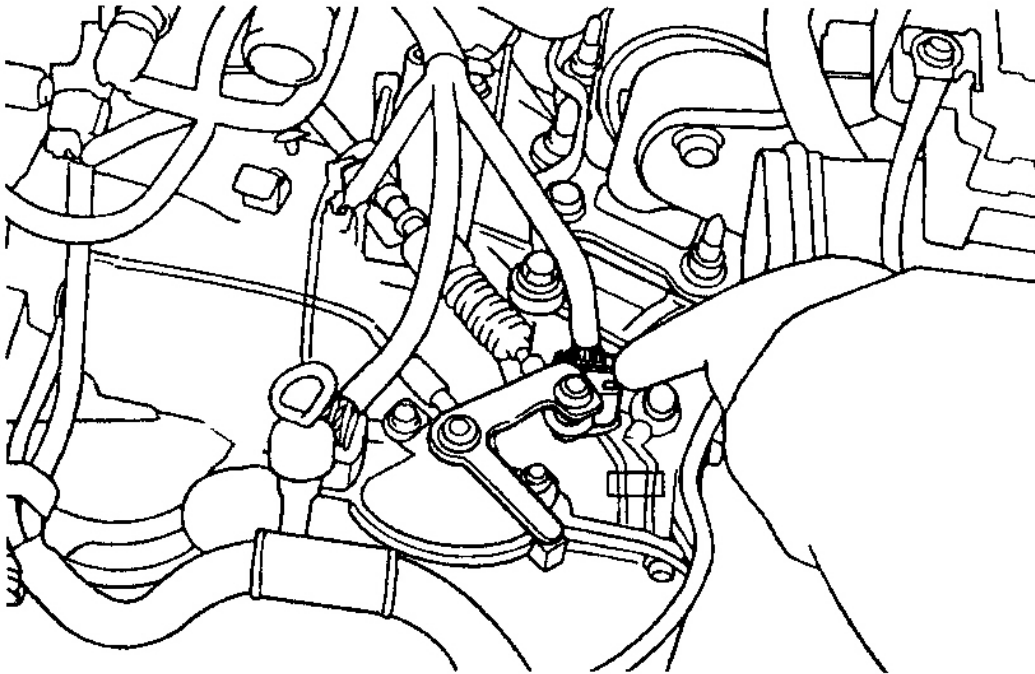
2. Disconnect the engine wiring and the transaxle wiring.
3. Remove the air cleaner (air duct and hose) assembly. See **Fig. 2** .



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Fig. 2: Identifying Air Cleaner Assembly
Courtesy of KIA MOTORS AMERICA, INC.

4. Disconnect the shift cable from the transaxle. See **Fig. 3** .



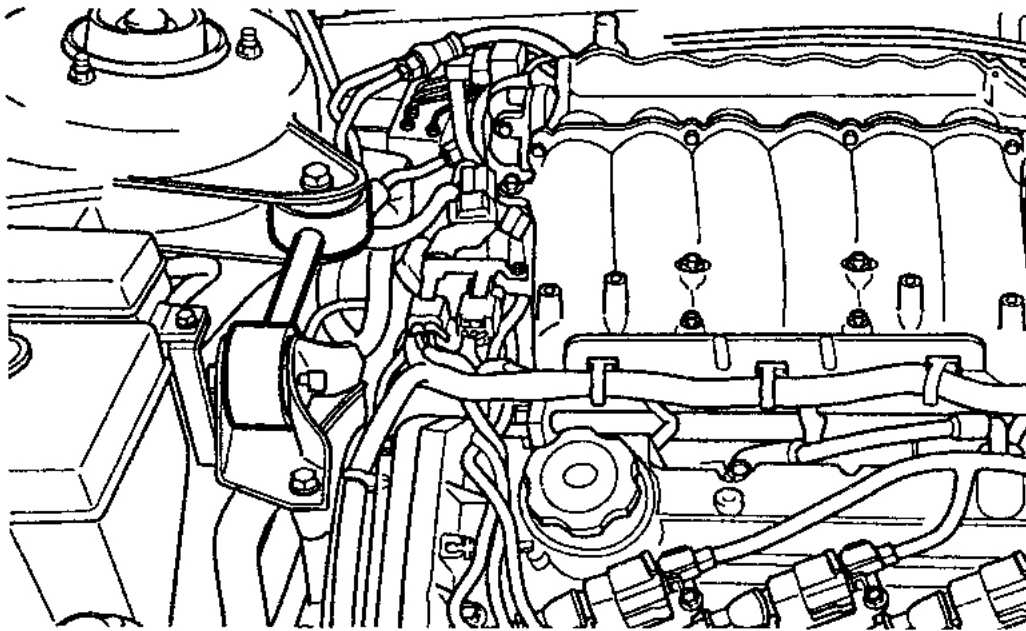
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Fig. 3: Locating Shift Cable At Transaxle
Courtesy of KIA MOTORS AMERICA, INC.

5. Disconnect the cooler hose from the transaxle.
6. Remove the radiator and the hose (drain coolant).
7. Disconnect the heater hose.
8. Disconnect the power steering column and the gear box universal joint.
9. Remove the power steering oil pressure and return hoses from the gear box.

NOTE: **Collect dropping oil with a container when disconnecting the hoses.**

10. Remove the engine upper roll stopper and the bracket. See **Fig. 4** .



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Fig. 4: Identifying Engine Roll Stopper & Bracket
Courtesy of KIA MOTORS AMERICA, INC.

11. Lift vehicle and remove wheels.
12. Disconnect the oxygen sensor connector and the front muffler.
13. Drain the transaxle fluid.
14. Remove the tie rod, lower arm ball joint, and the drive shaft.
15. Remove the steering tube mounting bolt attached to the cross member (subframe).
16. Install jack under the cross member.
17. Remove the cross member mounting bolt, and remove the cross member assembly with the steering gear box and the stabilizer attached.
18. Remove the starter motor assembly.
19. Remove the transaxle housing cover.
20. Position the transaxle jack.
21. Remove the drive plate and the torque converter connecting bolts, turning the crankcase shaft.
22. Remove the transaxle support bolts.
23. Remove the transaxle.

Installation

NOTE: **Tighten all fasteners to specification. See TORQUE SPECIFICATIONS .**

- 1. Installation is reverse order of removal.
- 2. Add appropriate coolant, power-steering oil, and transaxle fluid after installation.
- 3. Ensure good mounting and no interference in wiring.
- 4. Refill air conditioner refrigerant, if necessary.

TORQUE SPECIFICATIONS

TORQUE SPECIFICATIONS

Application	Ft. Lbs. (N.m)
Control Cable Bracket	14-18 (20-26)
Differential Drive Gear	91-98 (130-140)
Eye Bolt	19-23 (27-33)
Front Roll Stopper Bracket-To-Cross Member Bolts	43-58 (60-80)
Front Roll Stopper Bracket-To-Transaxle Bolts	43-58 (60-80)
Front Roll Stopper Insulator Bolt & Nut	36-47 (50-65)
Oil Drain Plug	20-24 (29-34)
Oil Filler Tube	20-24 (29-34)
Rear Roll Stopper Bracket-To-Cross Member Bolts	36-47 (50-65)
Rear Roll Stopper Bracket-To-Transaxle Bolts	43-58 (60-80)
Rear Roll Stopper Insulator Bolt & Nut	36-47 (50-65)
Torque Converter Housing	29-38 (42-54)
Transaxle Mounting Bracket Bolts	43-58 (60-80)
Transaxle Mounting Insulator Bolt	65-80 (90-110)
Transaxle Mounting Sub Bracket Nut	43-58 (60-80)
INCH Lbs. (N.m)	
Oil Cooler Feed Tube	89-106 (10-12)