

2002 AUTOMATIC TRANSMISSIONS

Servicing - Sedona

APPLICATION

TRANSAXLE APPLICATION

Application	Transaxle Model
Sedona	F5A51-3

LUBRICATION

SERVICE INTERVALS

Inspect transaxle fluid every 15,000 miles. Under normal conditions, change transaxle fluid every 105,000 miles. Under severe conditions, change transaxle fluid every 30,000 miles.

CHECKING FLUID LEVEL

NOTE: Only use the COLD fluid scale on the dipstick if the vehicle has not been running and the outside temperature is approximately 77°F (25°C).

Drive vehicle for 30 minutes to warm up fluid to normal temperature. Park vehicle on a level surface and set parking brake. Allow engine to idle for 2 minutes, then apply the brake pedal. Move shift lever through all ranges slowly and then set it in Park. With engine idling, pull out dipstick, wipe it clean and reinsert it. Pull dipstick out. Check that the fluid level is within the HOT range, approximately 167°F (75°C), on the dipstick. If necessary, add appropriate transaxle fluid to proper level. See **RECOMMENDED FLUIDS** .

RECOMMENDED FLUIDS

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Application	Fluid Type
Sedona	Diamond ATF SP-III

FLUID CAPACITIES

TRANSAXLE FLUID CAPACITIES

Application	Qts. (L)
Sedona	8.9 (8.5)

DRAINING & REFILLING

1. Raise and support vehicle. Remove drain plug located at the bottom front center of the transaxle.
2. Allow fluid to completely drain. Install drain plug and NEW washer. Tighten to specification. See

TORQUE SPECIFICATIONS

3. Lower the vehicle. Remove transaxle dipstick located near the center of engine compartment bulkhead and, using a funnel, add approximately 2 Qts. (2L) of transaxle fluid. See **RECOMMENDED FLUIDS**.

CAUTION: Do not overfill. Overfilling the transaxle can cause a seal to blow, loss of fluid and damage to the transaxle. Drain excess fluid prior to driving the vehicle.

4. Check fluid level and fill as necessary. Install dipstick and properly dispose of the used transaxle fluid.

ADJUSTMENTS

CONTROL CABLE

1. Move the shift lever to position "N".
2. Release the adjusting nut at the connection between the transaxle control cable and the manual control lever. Separate the transaxle control cable and the manual control lever. See **Fig. 1**.
3. Move the manual control lever to position "N".
4. Insert a 0.197" (5 mm) pin into the transaxle range switch and the manual control lever hole. See **Fig. 2**.

CAUTION: If the pin is not inserted, position "N" may move when tightening the adjusting nut.

Section A-A

12N·m(120kg·cm, 8lb-ft)

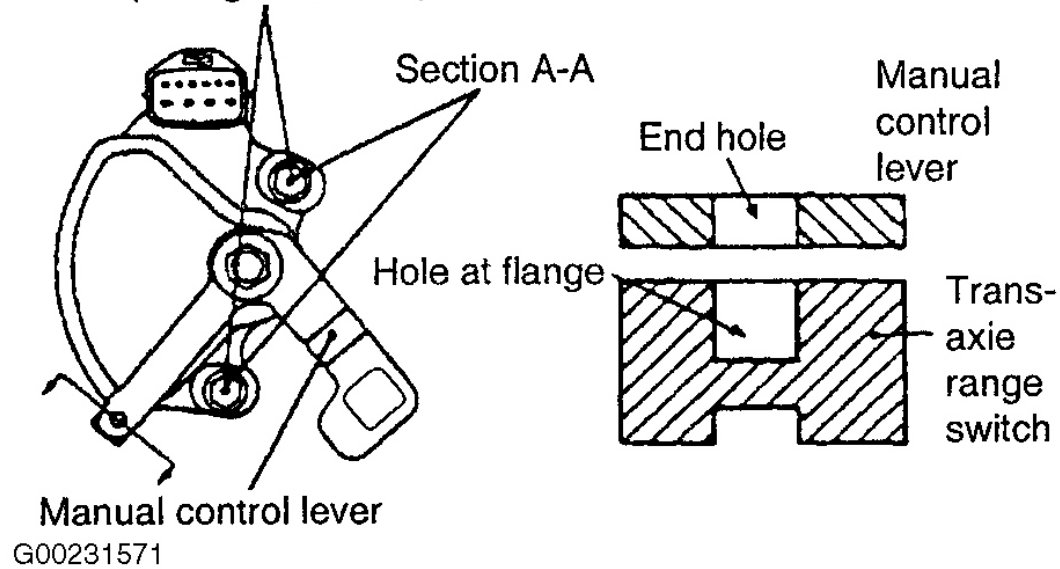
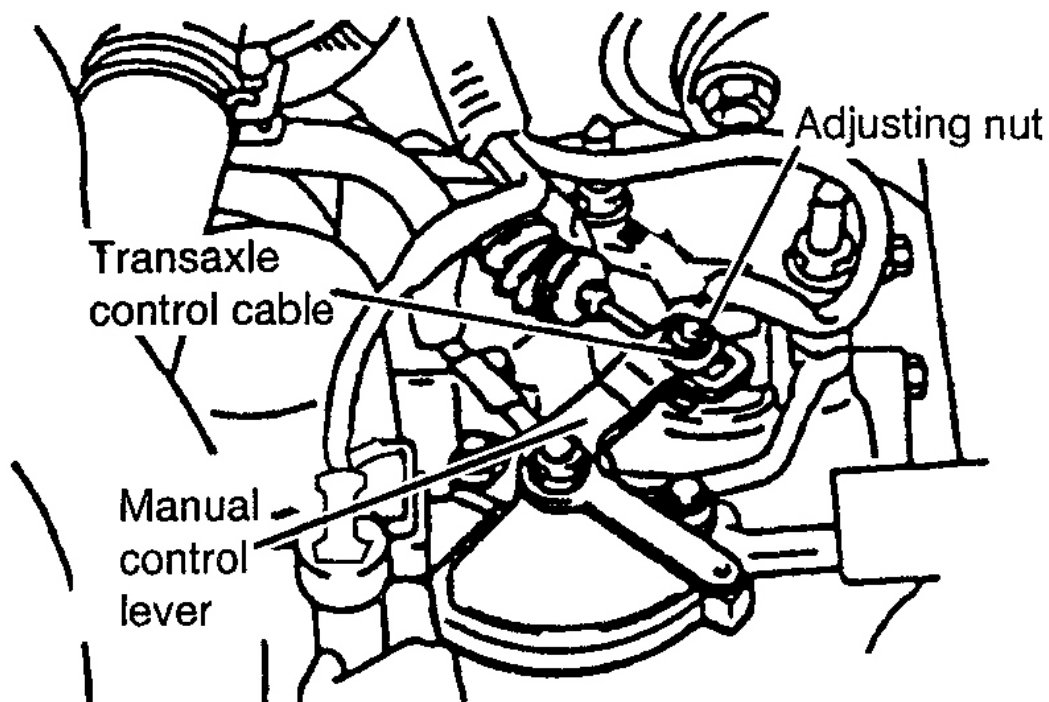


Fig. 1: Separating Manual Control Lever & Transaxle Range Switch
Courtesy of KIA MOTORS AMERICA, INC.



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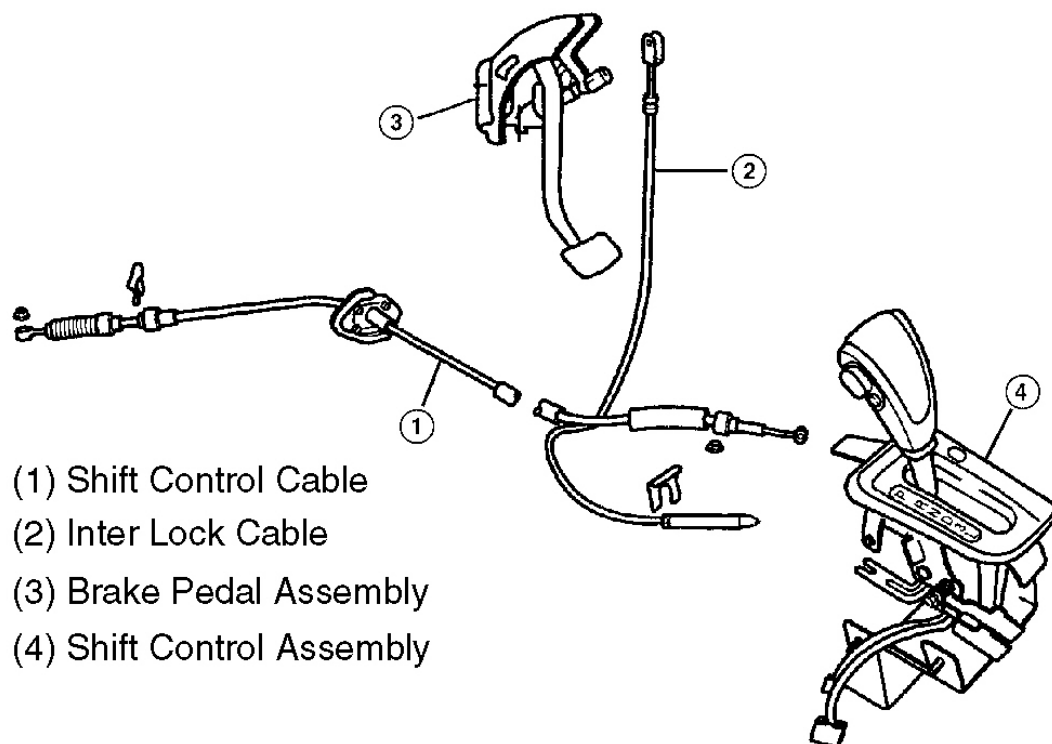
Fig. 2: Identifying Range Switch Adjustment Components
Courtesy of KIA MOTORS AMERICA, INC.

REMOVAL & INSTALLATION

SELECTOR LEVER ASSEMBLY

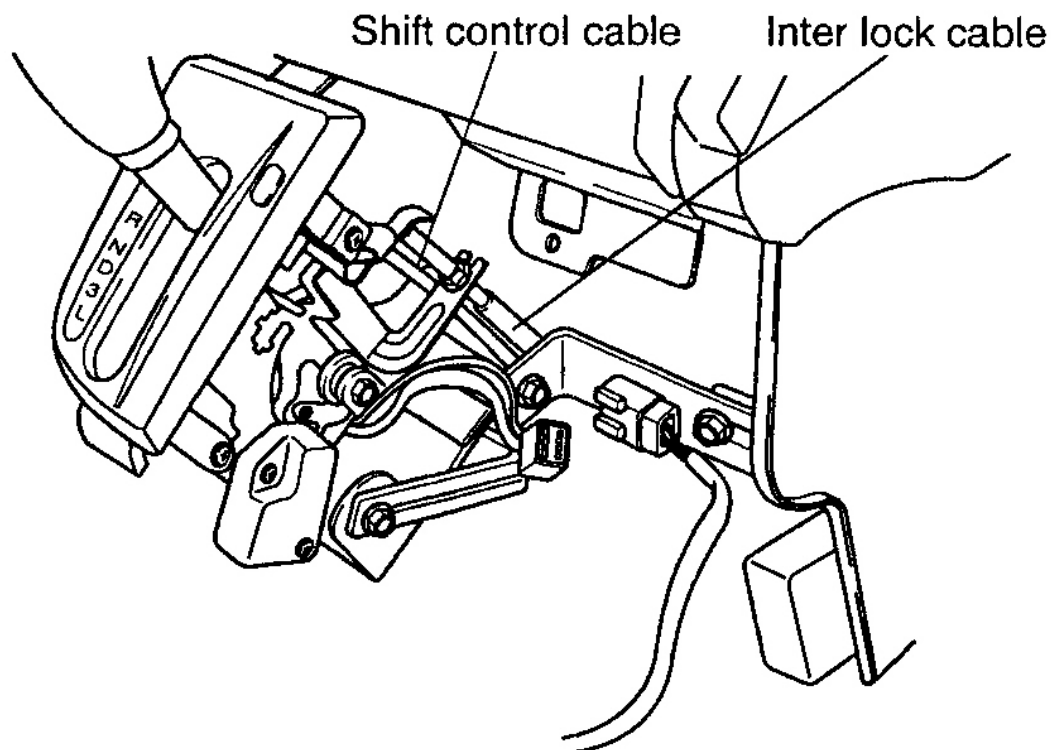
Removal

1. Remove the audio cover plate. Remove the center console.
2. Remove the shift control cable. See **Fig. 3** . Disconnect the harness connector.
3. Remove the selector lever assembly. See **Fig. 4** .



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Fig. 3: Identifying Selector Lever Assembly Component
Courtesy of KIA MOTORS AMERICA, INC.



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Fig. 4: Removing Selector Lever Assembly
Courtesy of KIA MOTORS AMERICA, INC.

Installation

1. Install selector lever assembly. See **Fig. 4** . Tighten to specification. See **TORQUE SPECIFICATIONS** .
2. Install the inter lock cable. Install the shift control cable. See **Fig. 3** .
3. Connect the harness connector. After installing the inter lock cable, move the selector lever to "P" and press the brake pedal to check the inter lock cable operation.

TORQUE SPECIFICATIONS

TORQUE SPECIFICATIONS

Application	Ft. Lbs. (N.m)
Drain Plug	22 (30)
	INCH Lbs. (N.m)
Selector Lever Assembly Nuts	77.9-121.3 (8.8-13.7)