



**NUMBER:** 08-055-05

**GROUP:** Electrical

**DATE:** October 19, 2005

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**THIS BULLETIN IS BEING PROVIDED IN ADVANCE. DO NOT ORDER CONNECTOR PARTS OR PERFORM ANY ACTIONS RELATED TO CS, KJ, LH , PT, RS, WK and XK VEHICLES UNTIL NOVEMBER 28, 2005.**

***SUBJECT:***

Satellite Radio Intermittent Static

***OVERVIEW:***

This bulletin involves replacing the Satellite Digital Audio Receiver (SDAR).

***MODELS:***

2005	(CS)	Pacifica
2005	(DR)	Ram Truck
2004 - 2005	(HB)	Durango
2005	(JR)	Sebring Sedan/Stratus Sedan
2005	(KJ)	Liberty
2004	(LH)	300M
2005	(LX)	300/Magnum
2005	(ND)	Dakota
2003 - 2005	(PT)	Chrysler PT Cruiser
2005	(RS)	Town & Country/Caravan
2005	(WK)	Grand Cherokee

**NOTE: This bulletin applies to vehicles equipped with a satellite radio receiver (sales code RSA or RSB) or dealer installed MOPAR satellite radio receiver part numbers 05064002A\* and 05064020A\*.**

***SYMPTOM/CONDITION:***

The vehicle operator describes extreme static over the satellite radio audio (only when in the satellite mode) to the point of almost completely covering the intended audio. The static occurs at vehicle start-up, or the first time the radio is put into the satellite mode on a key cycle. The static will last the entire key cycle. This issue is completely intermittent, and in the next key cycle, operation may go back to normal.

**DIAGNOSIS:**

Due to the intermittent nature of the condition, demonstration of the issue is difficult. If the vehicle operator description is similar to the Symptom/Condition explained above, perform the Repair Procedure.

**PARTS REQUIRED:**

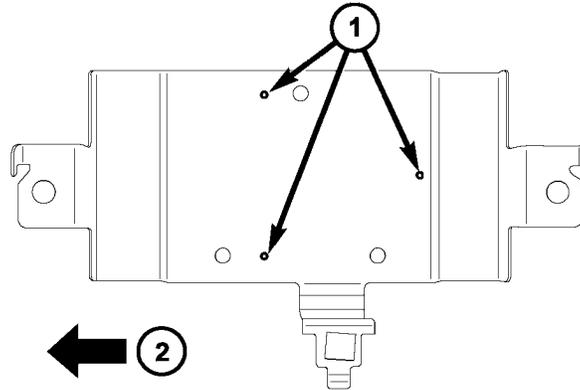
Qty.	Part No.	Description
AR (1)	05064074AC	SDAR Module (Sales Code RSB and KJ)
AR (1)	05064075AC	SDAR Module (Sales Code RSA except KJ)
AR (1)	05189968AA	Connector Housing, CS, KJ, LH , PT, RS, WK and XK
AR (1)	05189969AA	Connector Lock, CS, KJ, LH , PT, RS, WK and XK
AR	NPN	Tape, Electrical

**REPAIR PROCEDURE:**

1. Use the procedures outlined in TechCONNECT 8-Electrical/Audio/Antenna Module/Removal/Receiver-Satellite to remove the SDAR and separate it from its mounting bracket.

**NOTE: In the near future, the TechCONNECT path to the SDAR procedures will change. Receiver-Satellite will have its own heading under Audio.**

2. CS, KJ, LH , PT, RS, WK and XK vehicles go to step 4. DR, HB, JR and ND go step 3. LX vehicles require the SDAR mounting bracket to be modified as follows:
  - a. Place a drop of paint or correction fluid (white out) on the top of each of the (3) SDAR mounting studs of the replacement SDAR.
  - b. Position the SDAR mounting studs against the SDAR mounting bracket so the wiring connectors of the SDAR are facing toward the front of the vehicle when the SDAR/bracket assembly is mounted in the vehicle and the mounting stud opposite the SDAR wiring connectors is 3/16 in. inboard of the crease in the SDAR mounting bracket, (Fig. 1)
  - c. Drill 5/16 in. (8mm) holes in the SDAR mounting bracket at the three locations marked by the paint.

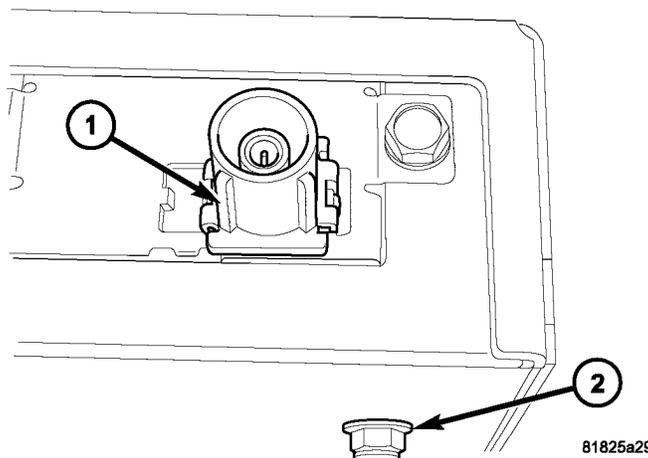


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**Fig. 1 REVISED SDAR MOUNTING HOLE LOCATIONS**

- 1 - DRILL 5/16 IN. (8MM) HOLES AT THE LOCATIONS MARKED BY THE SDAR STUDS
- 2 - FRONT OF VEHICLE WHEN INSTALLED

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3. For DR, HB, JR, LX and ND vehicles, remove the left locating key (when viewed with the SDAR mounting studs facing you) on the tan connector of the SDAR. The key can be shaved off using a utility knife or similar device, (Fig. 2). Continue with step 8.



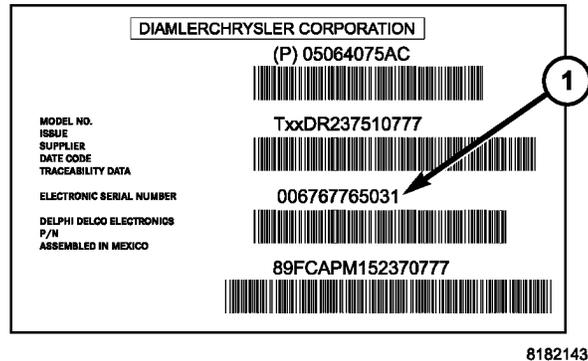
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**Fig. 2 TAN SDAR CONNECTOR**

- 1 - REMOVE THE LEFT LOCATING KEY
- 2 - SDAR MOUNTING STUD

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4. Slide the red lock on the blue connector housing of the antenna harness to its unlock position.
  5. Use a small screwdriver to pull up on the tab uncovered by the lock.
  6. Slide the housing off the connector terminal.

7. Replace the removed blue connector housing and red lock with the “tan” colored housing, p/n 05189968AA and white lock p/n 05189969AA.
8. Record the Electronic Serial Number (ESN) of the removed and replacement SDAR's, (Fig. 3).



**Fig. 3 SDAR ESN LOCATION**

1 - ESN

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9. Install the appropriate replacement SDAR to the mounting bracket, tighten the fasteners to 5-7 Nm (18-25 in. lbs.).
  10. Tape back the original white connector to the antenna harness to prevent rattling. This white connector will NOT be used with the new SDAR.
  11. Connect the antenna connector to the tan connector on the new SDAR. Insert the 12-way connector to the module.

**NOTE: Be sure to route the SDAR wiring so that it has no bends with a radius of less than 1 in. and is free of contact with the mounting bracket, tape, foam or convolute may be used to isolate the wiring if necessary.**

12. Install the SDAR/bracket assembly into the vehicle, tighten the fasteners to 5-7 Nm (18-25 in. lbs.).

**NOTE: When activating the new SDAR, the vehicle must be in open sky with no obstructions over the antenna.**

13. The new SDAR **MUST** be activated to be able to receive satellite programs. The customer's Sirrus account number or phone number, customer's complete address, and the ESN of the original and new SDAR are required. The ESN is on the SDAR itself, (Fig. 3), or can be retrieved through the radio. With both ESN's, the customer's Sirrus account number or phone number, customer's complete address in hand, call Sirrus at 888-539-7474, (to skip the recordings, press 1 then 3 and 3 again). Explain the transfer that needs to take place when the Sirrus agent answers.

**POLICY:**

Reimbursable within the provisions of the warranty.

**TIME ALLOWANCE:**

<b>Labor Operation No:</b>	<b>Description</b>	<b>Amount</b>
08-20-04-90	Replace Satellite Radio Receiver	
	2004-2005 (CS)	0.3 Hrs.
	2005 (DR)	0.3 Hrs.
	2004-2005 (HB)	0.5 Hrs.
	2005 (JR41)	A/T
	2004-2005 (KJ)	0.6 Hrs.
	2003-2004 (LH) 300M	A/T
	2005 (LX) 300	0.5 Hrs.
	2005 (ND)	0.4 Hrs.
	2003-2005 (PT44)	0.5 Hrs.
	2004-2005 (RS)	0.5 Hrs.
	2005 (WK)	0.6 Hrs.
08-20-04-91	2005 (LX) Magnum	0.8 Hrs.

**FAILURE CODE:**

ZZ	Service Action
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