

(6) Install the antenna into the radio and install the radio.

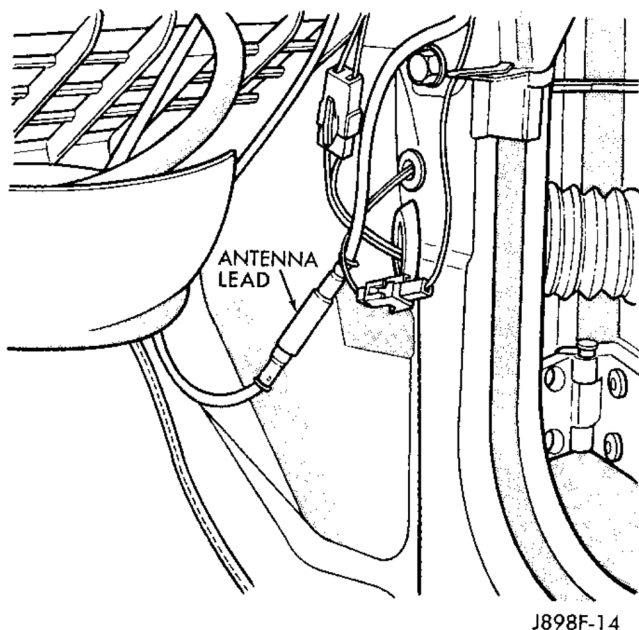


Fig. 3 Disconnect Antenna Lead

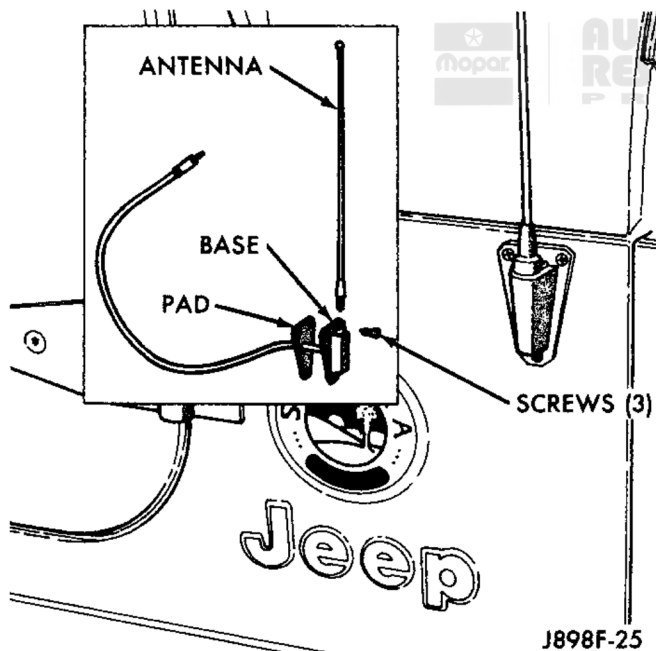


Fig. 4 Antenna Removal/Install - YJ

SJ

- (1) Using a thin blade tool, pry off the antenna cap.
- (2) Remove four screws holding the antenna pad to the body.
- (3) Remove the radio as described in Radio Replacement.
- (4) Pull the antenna cable grommet out of the kick panel and remove the antenna.

(5) To install an antenna cable, reverse the removal procedures.

ANTENNA TESTS

Antenna ground continuity is checked with an ohmmeter. The following four tests are required (Fig. 5):

- Mast-to-ground test 1.
- Tip of mast-to-tip of conductor test 2.
- Body ground-to-battery ground test 3.
- Body ground-to-coaxial shield test 4.

Ohmmeter test lead connections are shown in the following schematic.

Mast-To-Ground Test 1.

Test 1. determines if the antenna mast is insulated from the base. Procedure is as follows:

- Connect one ohmmeter lead to the tip of the antenna mast and the other lead to the antenna base.
- With the antenna disconnected from the radio, there should not be continuity.

Tip Of Mast-To-Tip Of Conductor Test 2.

Test 2. checks the antenna for an open circuit as follows:

- Disconnect the antenna cable from the radio.
- Connect one ohmmeter test lead to the tip of the mast and the other lead to the tip of the antenna cable lead-in (the part inserted into the radio).
- Continuity should exist (ohmmeter should only register a fraction of an ohm). High or infinite resistance indicates damage to the base and cable assembly which should be replaced.

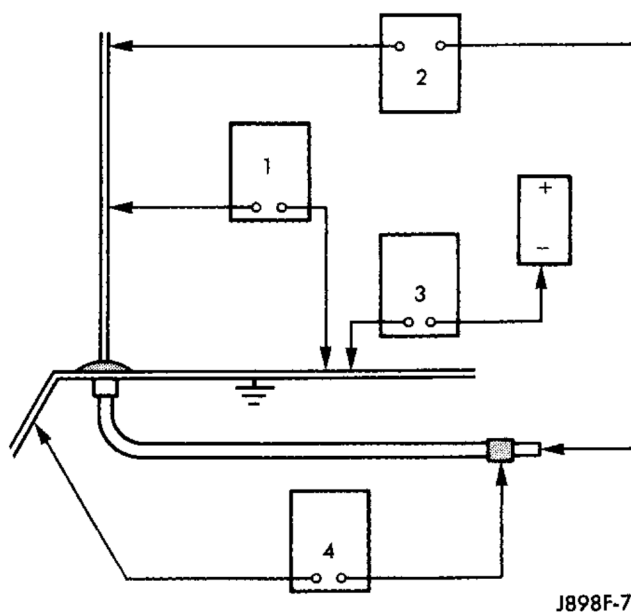


Fig. 5 Antenna Tests

Body Ground-To-Battery Ground Test 3.

Test 3. checks condition of the vehicle body ground connection as follows:

- Connect one ohmmeter test lead to the vehicle fender and the other lead to the battery negative post.
- Resistance should be less than one ohm.
- If resistance is more than one ohm, check the braided ground strap connected to the engine and vehicle body for being loose, corroded, or damaged. Repair as necessary.

Body Ground-To-Coaxial Shield Test 4.

Test 4. checks condition of the ground between the antenna base and vehicle body as follows:

- Connect one ohmmeter test lead to the fender and the other lead to the crimp on the coaxial shield.
- Resistance should be less than one ohm.
- If resistance is more than one ohm, replace the antenna base attaching screws with new cadmium plated screws.



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