

SECTION : 415-02 Antenna

VEHICLE APPLICATION : 2008.0 Falcon

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SPECIFICATIONS

Torque Specifications

| Description | Nm |
|----------------------|-------------|
| Sedan Antenna module | 10.2 - 13.8 |
| Ute Pole Antenna | 5.2 - 7.2 |



DESCRIPTION AND OPERATION

Antenna

All sedan vehicles are equipped with on glass antennas which consist of the following components:

- On glass printed elements
- Amplifier module
- Cable assemblies

All utility vehicles are equipped with roof mounted AM/FM antennas which consist of the following components:

- Detachable antenna mast
- Antenna base assembly (incorporating amplifier module)
- Antenna attachment nut and earth washer
- Cable assemblies

Sedan

The sedan antenna uses a combination of the heated backlite grid (FM) and several elements on the glass above the heated backlite (AM).

The amplifier module is located on the left hand side C pillar structure.

Ute

The ute pole antenna is located at the front edge of the roof header. The ute antenna comprises of an adjustable angle mast and amplified base. The mast can be temporarily folded flat to avoid damage when carrying loads over the cabin. The mast can also be adjusted to a more vertical position for better radio reception performance.

Window Tint Warning

Window tinting is not recommended on glass with printed antenna elements.

Metallised window tint material significantly degrades radio reception on both the AM and FM bands. Metallised stickers, blinds, sunshades or other screening devices can have a similar negative effect on radio reception and are not recommended.

Non metallised dye based tint material is an improvement over metallised tint material but still degrades radio reception.

Mast Angle Warning

Radio reception will be significantly degraded with the ute pole antenna folded flat. It is not recommended to leave the antenna in this position other than for temporary use to protect the antenna when carrying large loads that project forward over the cabin.



DIAGNOSIS AND TESTING

Antenna

Refer to Section 415-00.



GENERAL PROCEDURES

Antenna Grid Wire Repair

1. To maintain optimum radio performance breaks in the heated backlight or antenna elements grids must be repaired.
2. Repair kits are available through automotive accessory outlets, and repair instructions must be followed to ensure a satisfactory and permanent fix.

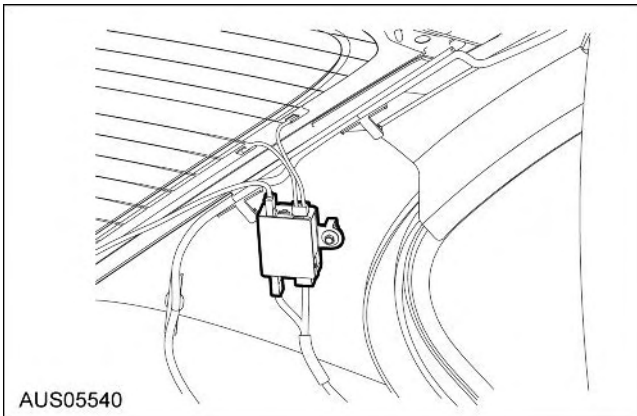


REMOVAL AND INSTALLATION

Antenna — Sedan

Removal

1. Remove the left hand side C pillar trim. Refer to Section 501-05.
2. Remove the module attachment bolt.
3. Disconnect the coaxial connector, antenna element connector, demister connector and power connector.



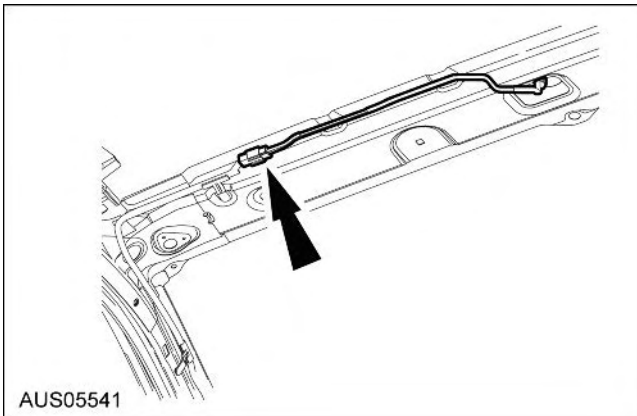
Installation

1. To install, reverse the procedure.

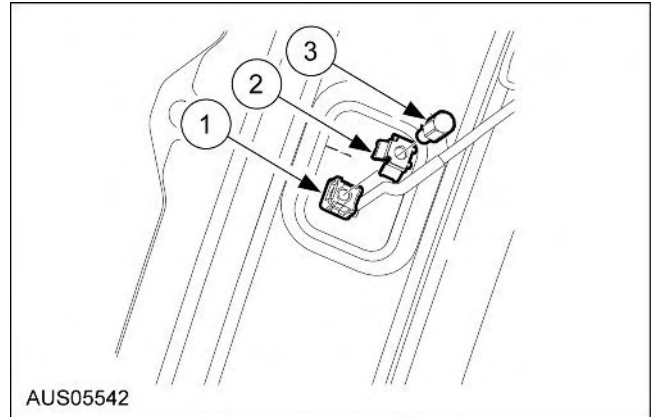
Antenna — Ute

Removal

1. Remove the headliner. Refer to section 501-05.
2. Disconnect the coaxial/power connector.



3. Remove the antenna attachment bolt and washer.



| Item | Description |
|------|------------------|
| 1 | Antenna assembly |
| 2 | Earth washer |
| 3 | Antenna bolt |

4. Remove the antenna base through the roof hole.

Installation

1. To install, reverse the procedure.

