

Technical Bulletin

Model
911C2/C4

Group
9

Subject: Radio Interference from Alternator

Part Identifier
9735

Number
9101

ATTENTION: Service Manager/Service Technician

Models Affected: *911 Carrera 2 and 911 Carrera 4*

Concern: Radio interference (whistling) from alternator.

Repair Information: An interference suppression filter may be installed on the engine compartment fuse/relay board to alleviate this condition (arrow, Figure 1).

It is installed on all vehicles from production date:
November 15, 1990

VIN: WP0AB296 _ MS 41 0989 — Coupe
WP0BB296 _ MS 44 0438 — Targa
WP0CB296 _ MS 46 1025 — Cabriolet

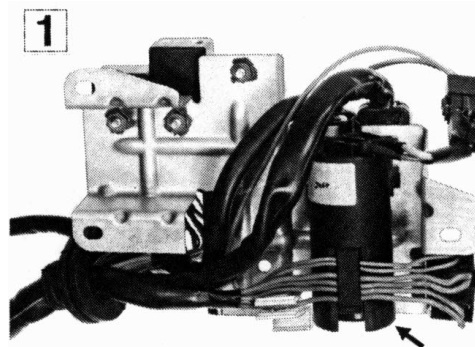


Figure 1

Service Information:

When diagnosing radio interference complaints on earlier 911C2/C4 models, first check:

- a. Cable routing.
The connecting cable, radio to booster, must be routed away from battery plus cable (on shift console right side). Distance between both cables should be 30–40cm.

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Service Information (cont.):

- b. Ground wire for booster.
Disconnect ground wire from booster (term.1 - brown wire) install new 4mm diameter wire and connect to ground point XX on seat cross member under the right seat.
- c. Check ignition wires for correct routing and installation. Spark plug connectors must be tight.
- d. Interference suppression filter and additional wiring harness (Figure 2) can be installed in 911 Carrera 2/4 prior to the VIN numbers on page one.

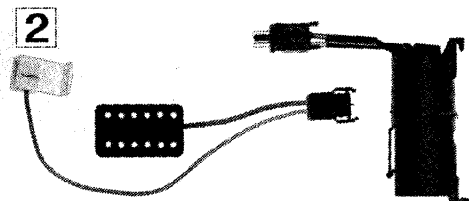


Figure 2

Work Procedure:

1. Disconnect battery. Remove heater duct in engine compartment and cover flange with a shop towel. Remove fuse relay board cover in engine compartment.
2. Unscrew carrier plate and housing from body. Remove housing.
3. Remove both wiring tie straps from back side of carrier plate.

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Work Procedure (cont.):

4. Cut wiring protection sleeves for wiring harness leading to fuses approximately 10cm and remove (Figure 3, arrow A).

Careful, do not cut wiring

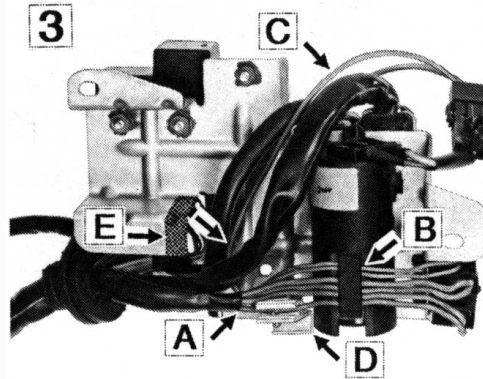


Figure 3

5. Apply two layers of textile tape to edge of the carrier plate (arrow E, shaded area).
6. Install suppression filter between the two wiring plugs. Make sure suppression filter engages properly at the bottom; push against clip on filter to ease engagement. Route wiring harness leading to fuses under the engagement bracket (arrow B).
7. Connect new wiring harness (Part Number 964 645 901 00) to suppression filter 2 pin plug and 12 pin DME wiring plug.
8. Route voltage supply wire (Figure 3, arrow C) and connect with the supplied quick connector to one of the four red 2.5mm diameter wires (arrow D). The distance between the suppression filter and the quick connector must be sufficient to ease installation of the carrier plate.

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Work Procedure (cont.):

9. Reinstall housing and carrier plate.

Note: When installing carrier plate, make sure the plate contacts the stops on the housing (Figure 4, arrow F). To achieve proper installation, it may be necessary to pull both wiring harnesses approximately 3cm towards the front (Figure 4) and to push bottom of suppression filter slightly towards the front.

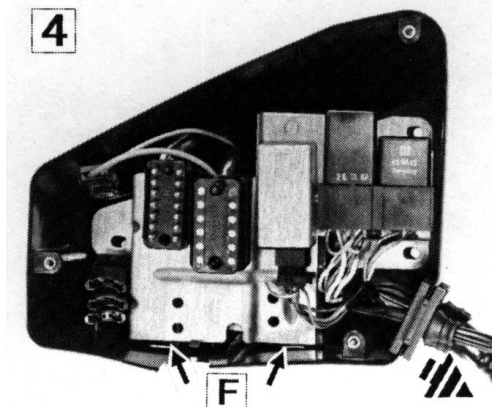


Figure 4

10. Reinstall fuse relay board cover and heater duct. Connect battery. Perform system adaption, set clock and code radio.

Parts Information:

Interference suppression filter: Part Number 964 645 011 00

Wiring harness: Part Number 964 645 901 00

Warranty Information:

Installing suppression filter and wiring harness.

Labor Operation: 9735190A

Damage Code: 9735400002

Time Units: 100

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