

SERVICE CAMPAIGN BULLETIN

CAMPAIGN REF : 01T
TITLE : Diversity Tuner Retrofit
DOCUMENT # : 11 M 046
AFFECTED VEHICLES : 12C Coupe

SITUATION : Quality Engineering at McLaren Automotive have released a diversity tuner kit to improve radio reception.

PROCEDURE : Please follow the installation instructions outlined in this document.

Care Point: It is necessary that the following campaigns listed are carried out before 11 M 045 "Diversity Tuner Retrofit (including bumper antenna)".

- 11 A 032 "Replacement of both door latches" or 11 A 033 "Replacement Left-Hand door latch" or 11 A 034 "Replacement Right-Hand door latch".

REMOVAL:

1. Please refer to AA-RM-05M01-01-001 - Disconnect/connect battery ground line.
2. Please refer to AA-RM-05M04-01-005 - Remove/install head unit.

INSTRUCTIONS:

1. Install IRIS the head unit (1) to the new mounting bracket 11M2487CP (2) using the existing M5 bolts.

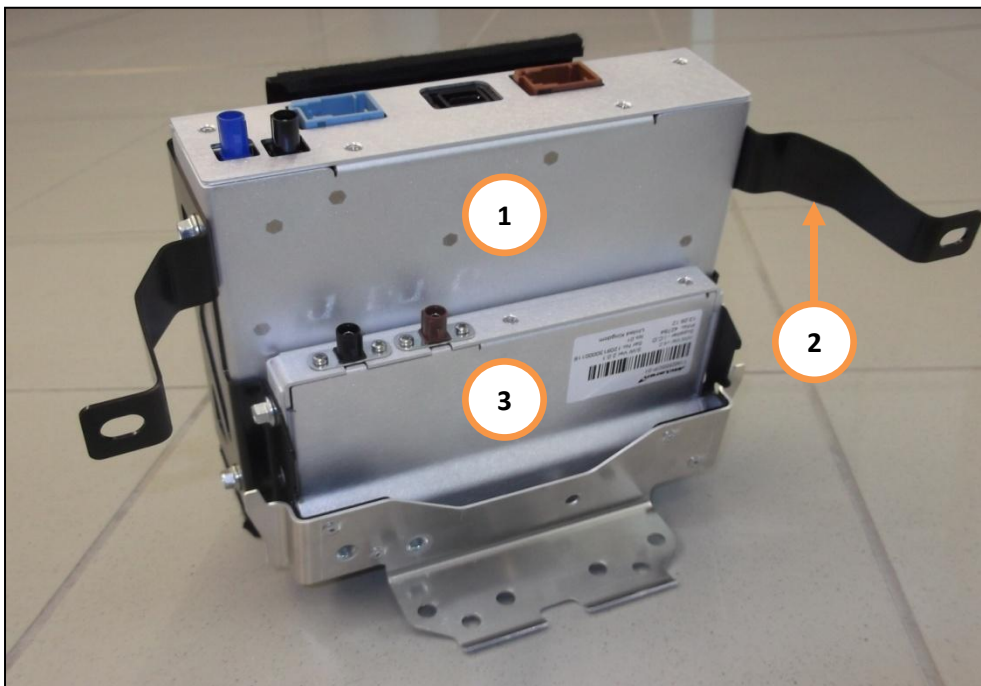
Care Point: Different levels of tuner hardware will be supplied to dealers. Early level tuners will require software installation, later level tuners **do not**. The different level of tuners can be seen in the pictures below and it should be noted which level was fitted during installation.



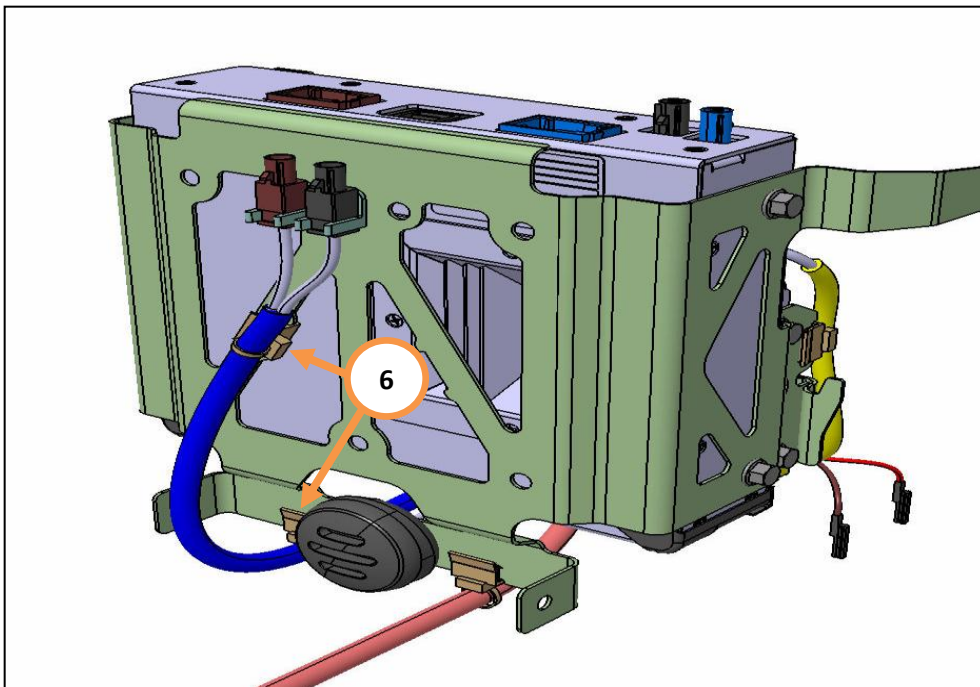
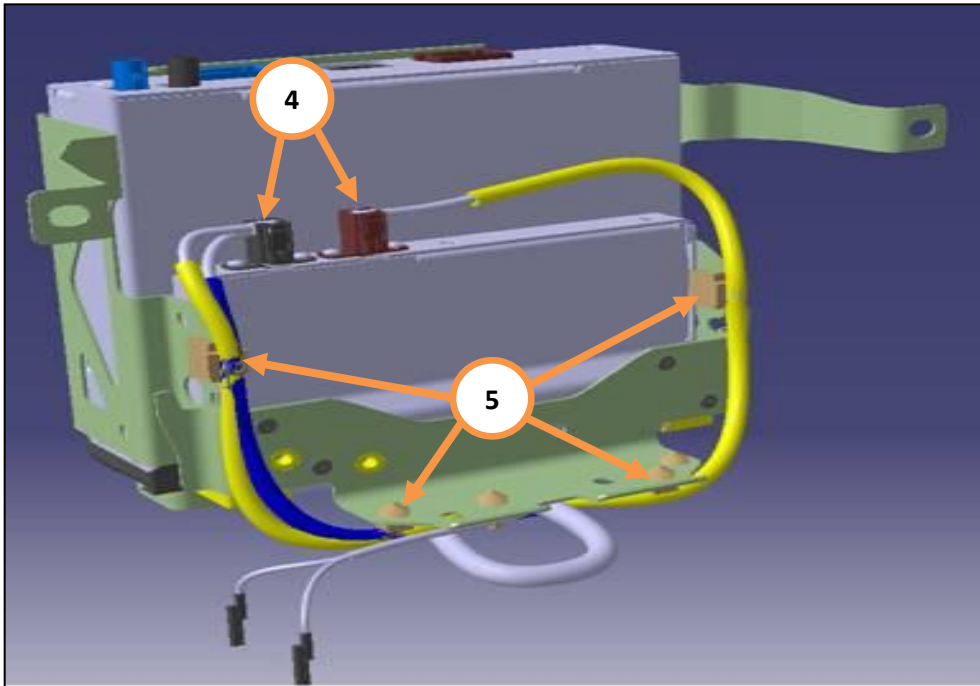


2. Install the tuner (3) to the new bracket using four M5 bolts 00RA165.

Care Point: The parking sensor speaker should also be swapped to the new bracket.

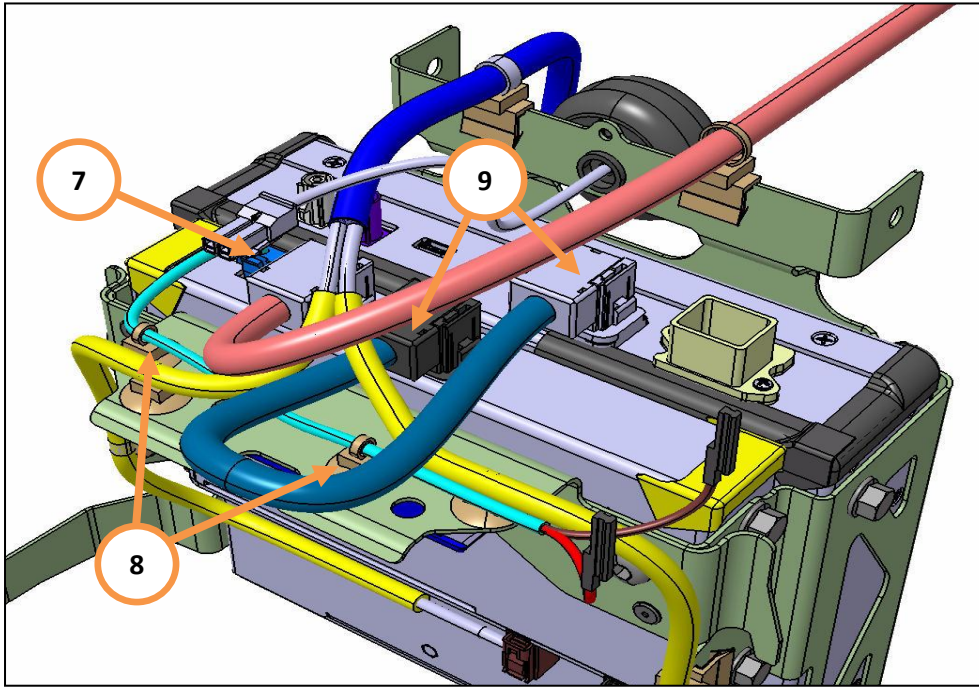


3. Connect the windscreen diversity link harness 11M2506CP to the tuner (4) and route the harness to the back of the bracket. Use the existing edge clips to secure the harness to the bracket (5), (6).

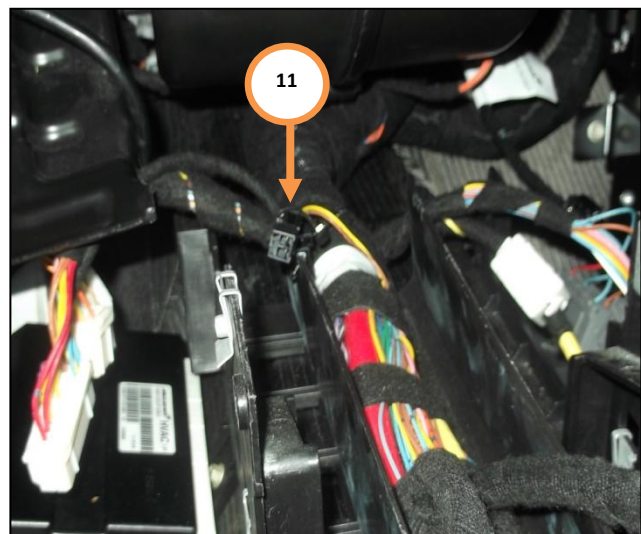


4. Connect the power harness 11M2456CP to the tuner (7) and crimp the edge clips to the bracket (8). The other end of the harness will be connected to the SCUG at step 15 of this document.
5. Connect the link harness 11M2403CP from the head unit to the tuner (9).

Care Point: Ensure that the link harness 11M2403CP loops around harness 11M2506CP.

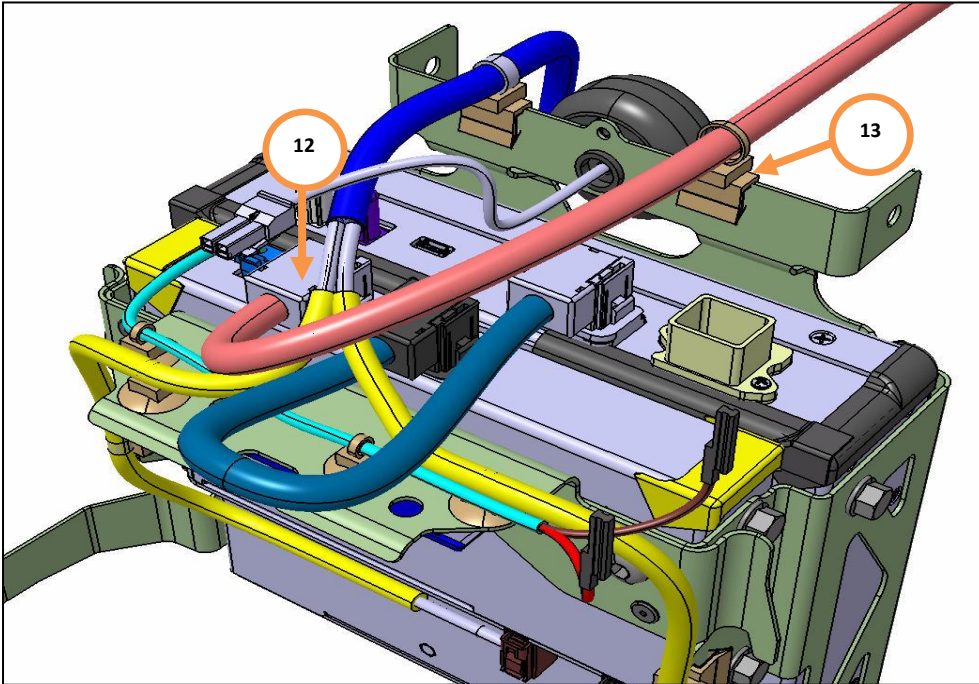


6. The sub assembly is now ready to be fitted back to the vehicle.
7. The edge clip attached to PDC speaker connector (10), should be moved from the right hand side of the tunnel to the left hand side (11).

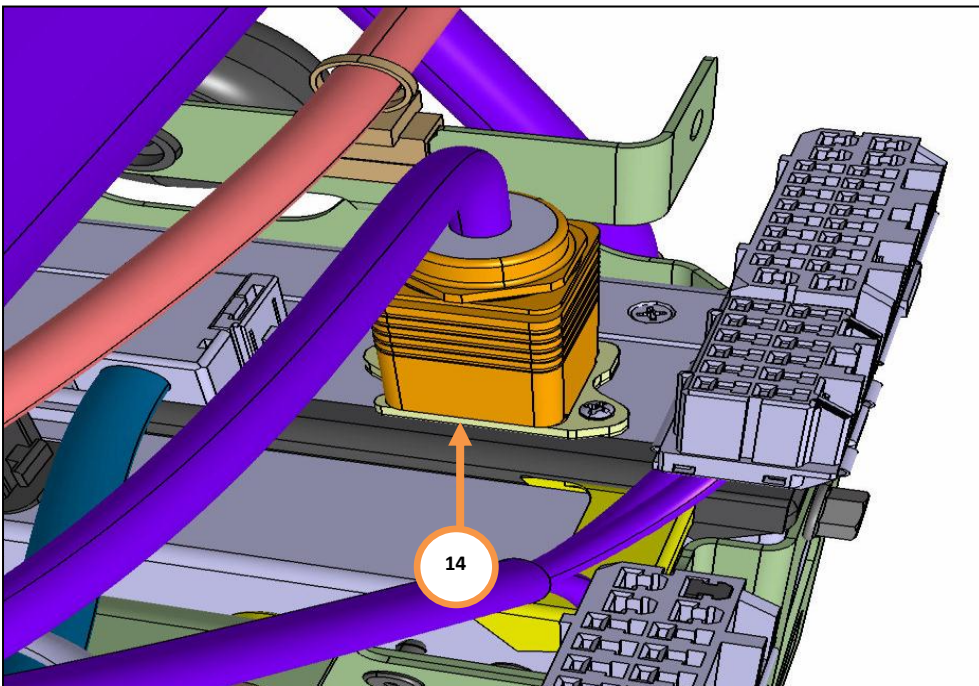


8. Fit the complete sub assembly back to the vehicle but do not install any of the bolts. This will allow free movement of the assembly to connect harness into the units.

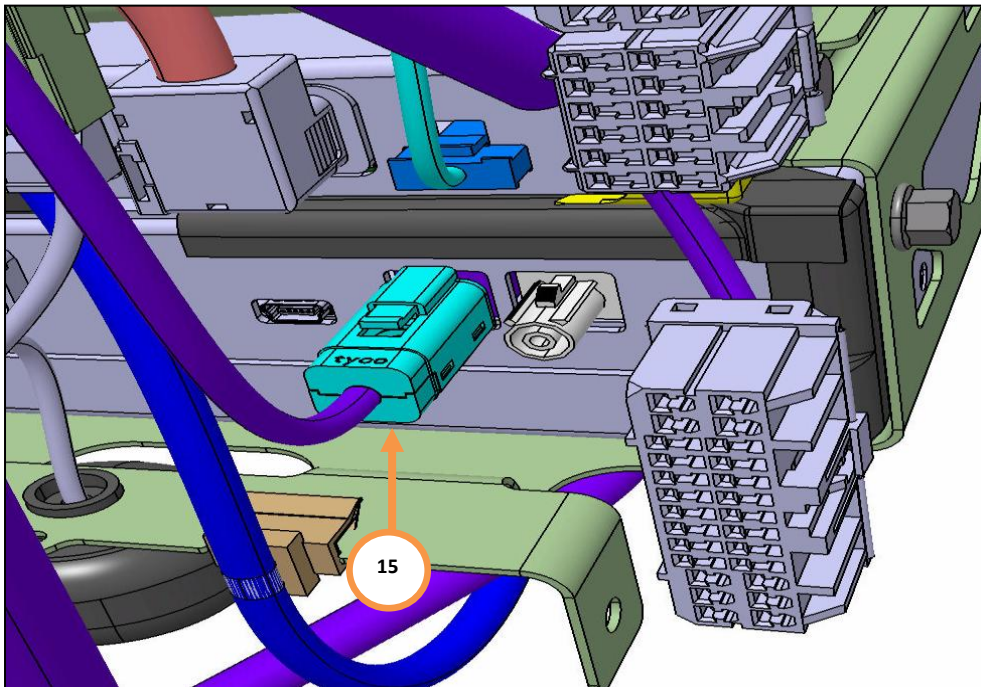
9. Connect the main harness 11M1226CP to the tuner (12). Ensure that the harness is crimped to the bracket (13).



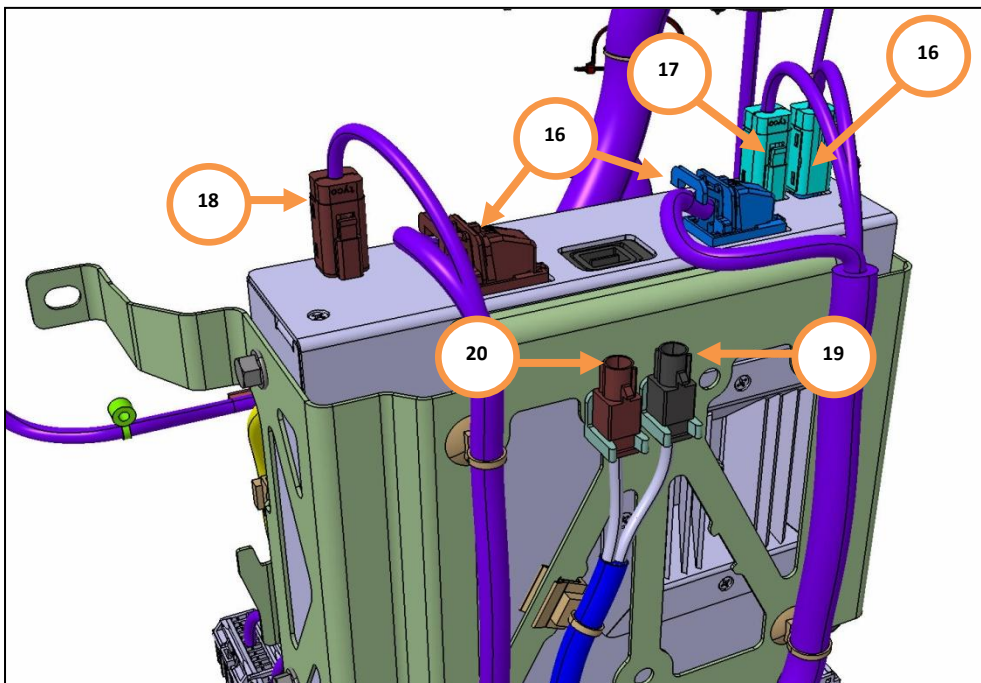
10. Connect the body harness RJ45 to the IRIS head unit (14).



11. Connect the body harness WLAN to IRIS head unit (15).

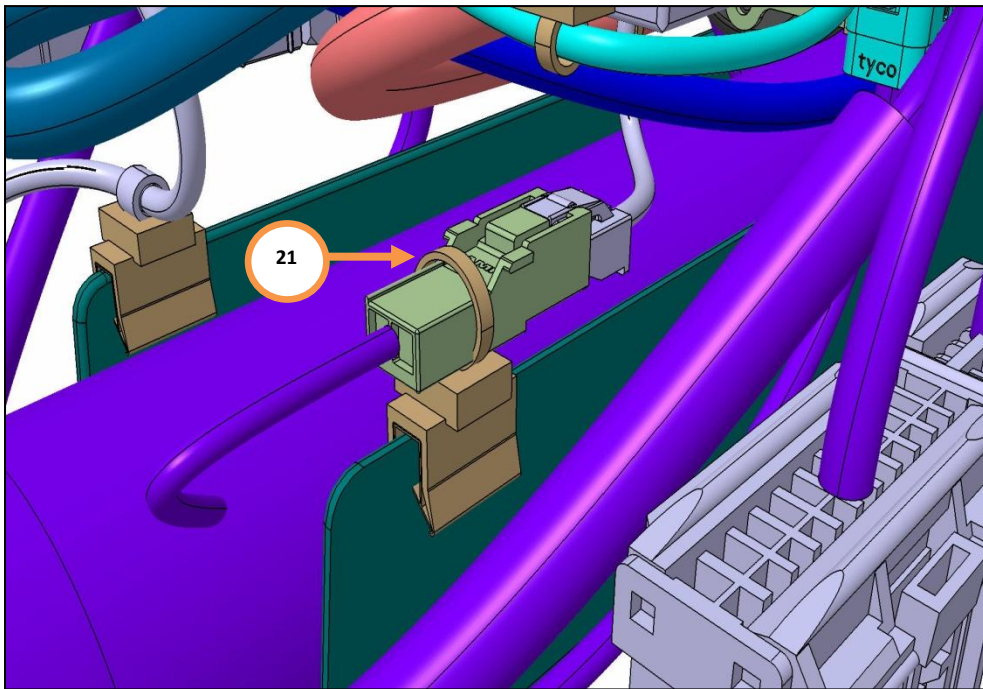


12. Connect body harness to the IRIS head unit as per normal (16). FM1 (17) and FM2 (18) connectors must be connected to the new harness 11M2506CP at (19) and (20) respectively.



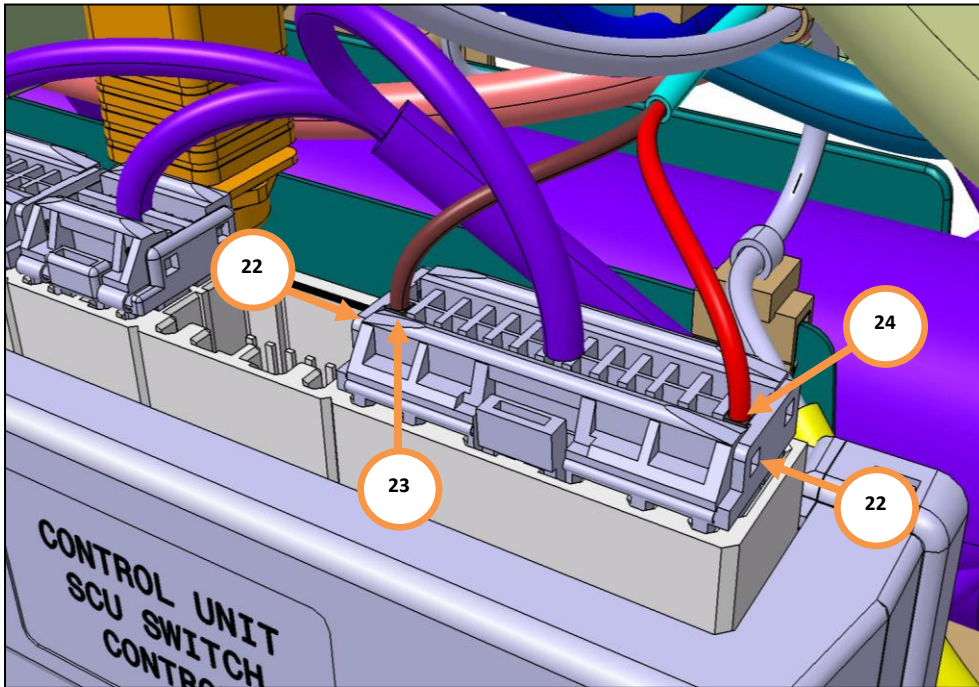
13. Bolt the complete assembly to the vehicle.

14. Connect the PDC speaker and secure the connector with the edge clip to the tunnel (21).



15. The two pins of harness 11M2456CP should now be connected to the SCUG module.

16. Disconnect the SCUG 26-way connector.
17. Open the terminal retention locks (22) and open the cover of the connector.
18. Insert the brown KL31 ground cable into the connector PIN1 (23).
19. Insert the red KL30 power cable into the connector PIN13 (24).
20. Reconnect the SCUG 26-way connector.



INSTALLATION:

Care Point: Do not re-assemble the interior trims of the vehicle until the USB software update (part of 11 M 041 or 11 M 043 "Vehicle software platform update to 10") has been completed successfully.

1. Install components in reverse order.

Please contact your Regional Aftersales Manager should you have any questions relating to the information contained in this bulletin.

WARRANTY INFORMATION

DESCRIPTION	RESOLUTION CODE	TOTAL REPAIR TIME
Installation of diversity tuner	M0M40156A33B9902	1.4 hours

PARTS INFORMATION

PART DESCRIPTION	PART NUMBER	QUANTITY	ORDER PROCESS
Windscreen Antenna Tuner Kit	11M2562CP	1	Unipart
