

BMW Group - AIR: 2021-03-13 / 11:43  
Dealer: 32711/06  
Model: Cooper  
Vehicle identification number: WMWZB3C50CWM29955  
Development code: R60  
Model code: ZB33  
Lead type: ZB33

[Removing and installing/sealing cylinder head \(N16\)](#) » [Removing and installing or replacing the exhaust manifold \(N12, N16\)](#) »

## Moving front panel into service position

REP-REP-RAR6041-4133600 - V.4

### 41 33 600 Moving front panel into service position

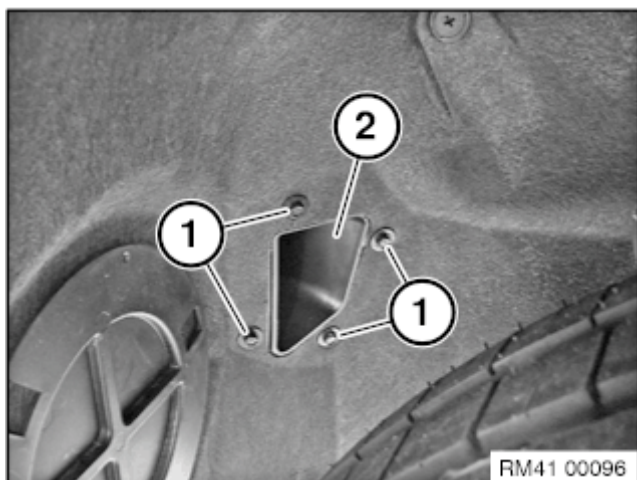
#### Special tools required:

- 2 346 947



#### Necessary preliminary work:

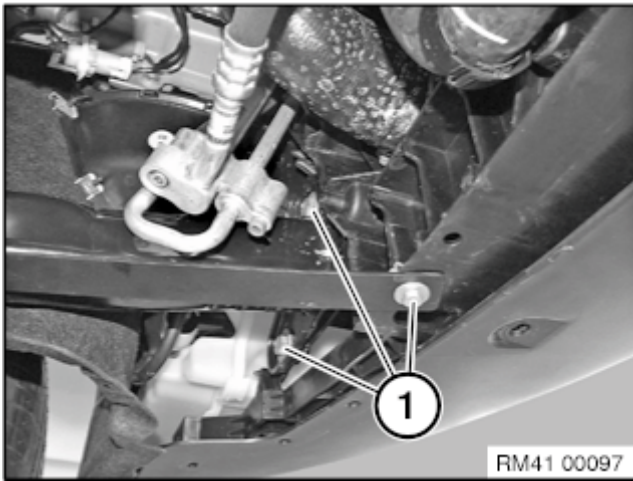
- Remove centre of front grille
- Remove both headlights
- Remove underbody protection
- Detach front wheel arch trim from bumper panel
- Partially detach front wheel arch cover



View of left wheel arch.

Release screws (1) and remove air duct for brake (2).

Repeat operation on right side of vehicle.



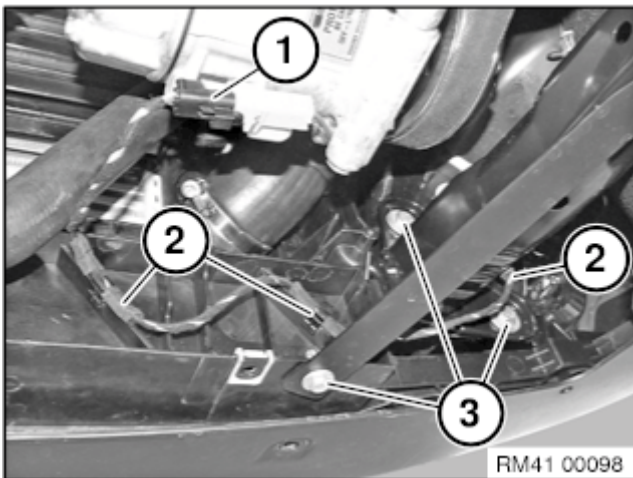
View of bottom left side.

Release screws (1).

Tightening torque 51 11 4AZ/ 9AZ

**17.7ftlb Support to holder, bumper, front**

**5.9ftlb strut to front panel**



View of bottom right side.

Disconnect plug connections (1) on A/C compressor.

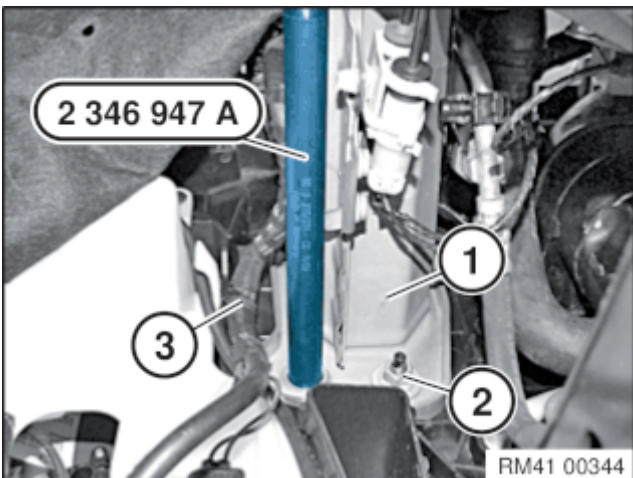
Release wiring harness (2).

Loosen screws (3).

Tightening torque 51 11 4AZ/ 9AZ

**17.7ftlb Support to holder, bumper, front**

**5.9ftlb strut to front panel**



General view of bottom, left side.

**US version only:**

Remove both front acceleration sensors.

Insert special tool 2 346 947 (A) in recess on engine support (1) and screw onto front panel.

Slacken nut (2).

Release wiring harness (3) from front panel and engine support (1).

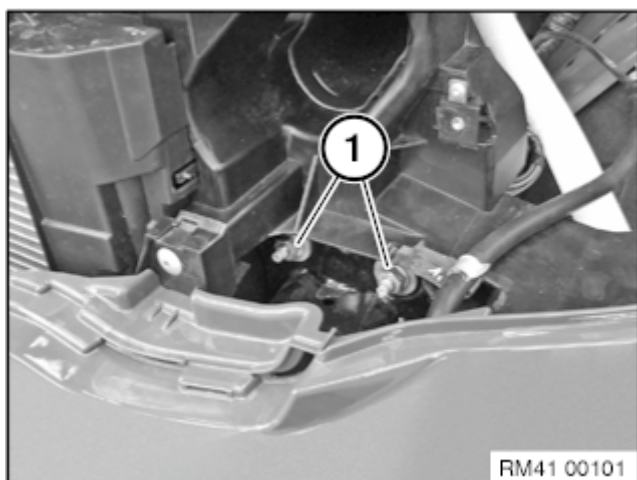
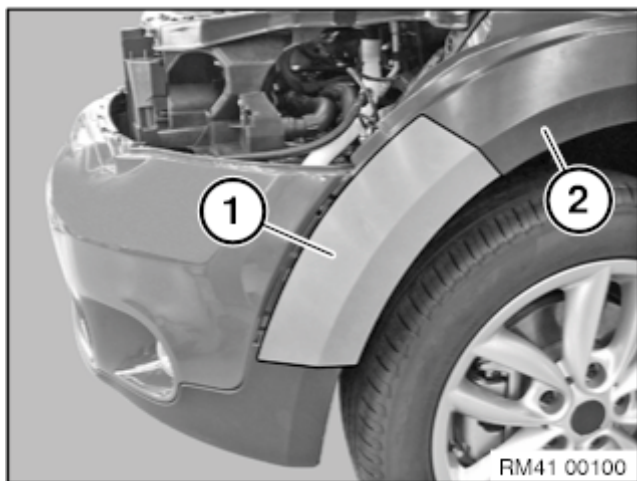
Repeat operation on right side of vehicle.

**Attention!**

Risk of damage!

Mask wheel arch trim (2) in area (1) using plastic adhesive tape.

Repeat operation on right side of vehicle.

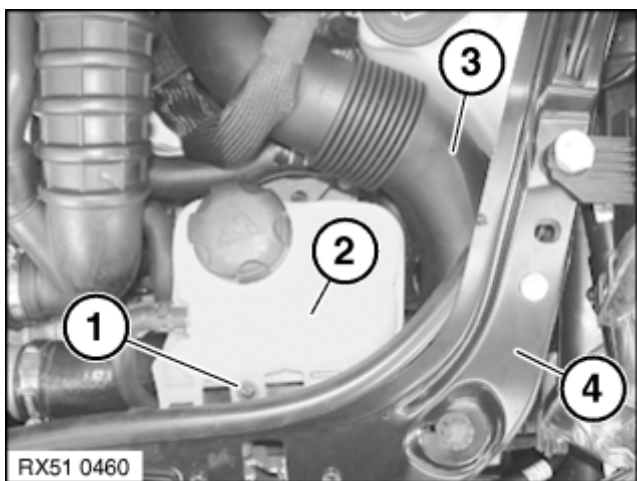


Release screws (1).

Tightening torque 51 11 3AZ

**33.2ftlb**

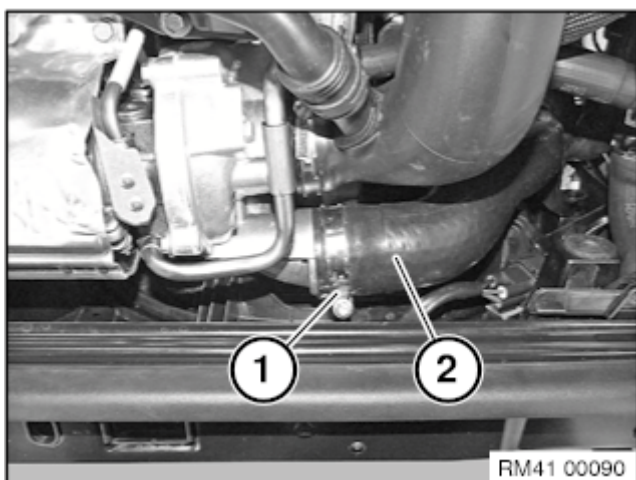
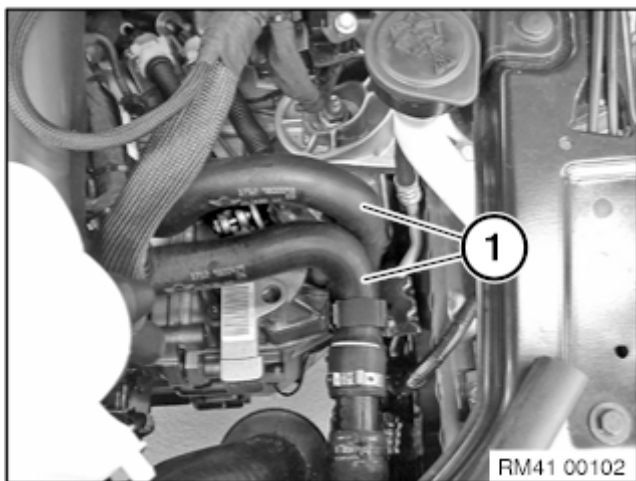
Repeat operation on right side of vehicle.



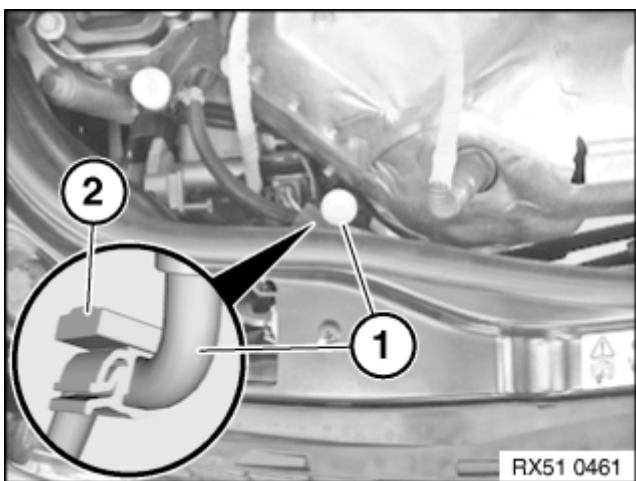
Undo bolt (1) and place coolant expansion tank (2) to one side.

Release and remove intake port (3) from lock bracket (4) and from air filter housing.

Release both coolant hoses (1) from the holders.

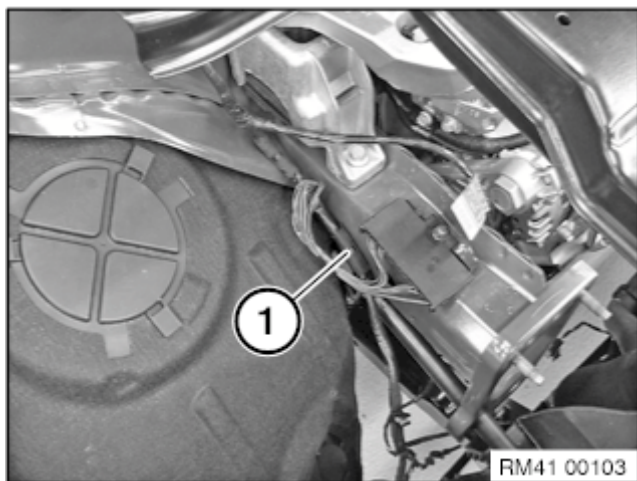


Only version with exhaust turbocharger:  
Release hose clamp (1) and detach hose (2).



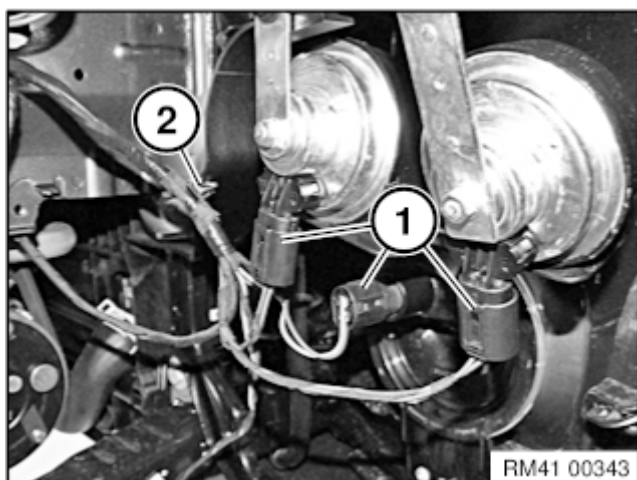
Version with A/C system only:  
Unclip refrigerant line (1) from holder (2).

Release wiring harness (1) from engine support.  
Repeat operation on other side of vehicle.

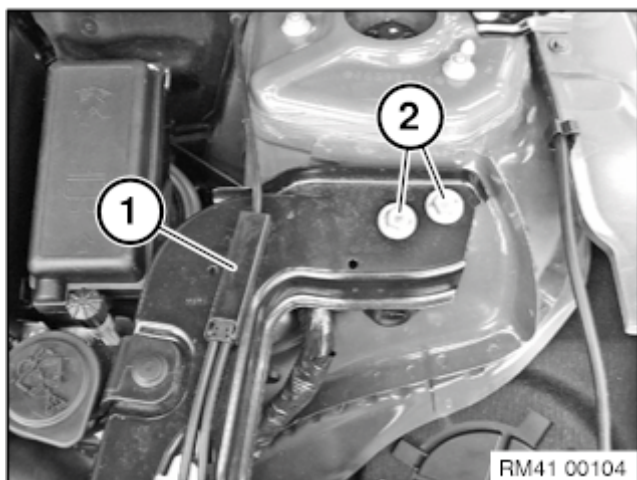


RM41 00103

Unlock plug-in contacts (1) and disconnect.  
Release wiring harness at attachment point (2).



RM41 00343



RM41 00104

Open clutch (1) and unhook Bowden cable for bonnet release.

Unfasten screws (2).

Tightening torque, 51 11 7AZ. **16.2ftlb**

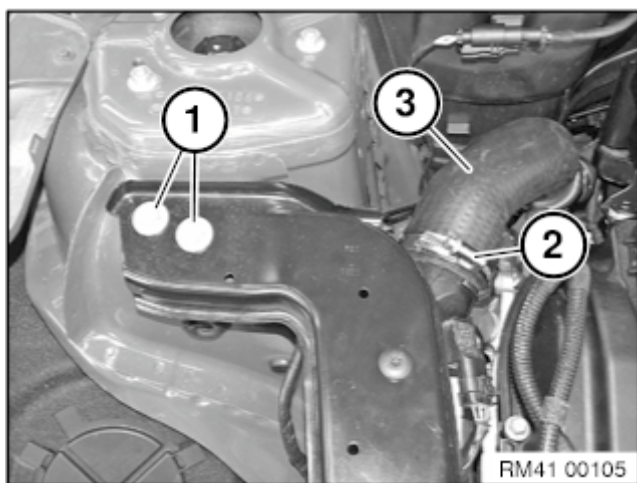
Release screws (1).

Tightening torque 51 11 7AZ **16.2ftlb**

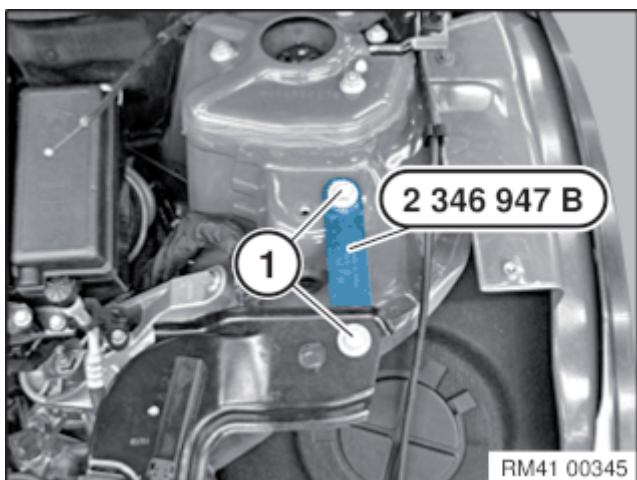
Only version with exhaust turbocharger:

Release clamp (2) and detach air duct (3).

Pull front panel approx. 10 cm forwards and if necessary pay attention to further cable clips.



**INSTALL THE BELT AND THE HEAT SHIELD FIRST!!!!**



Insert special tool 2 346 947 (B) on the left and right and screw in place (1).

Repeat operation on other side of vehicle.

***Installation note:***

To ensure that front panel (1) is correctly seated, slide panel on left and right uniformly towards rear.

With a second person helping, slide front panel into position and secure.

When installing, pay attention to retaining tabs on headlight.

**INSTALL THE BELT AND THE HEAT SHIELD FIRST!!!!**



***Installation note:***

Adjust headlight.