AIR SUPPLY COMPRESSOR INSTALLATION MANUAL

VEHICLE APPLICATION:

BMW 5 series (E61 / E61M) 2003-2010

PART NUMBERS:

OEM #: 37 10 6 793 778 / 37 10 6 789 937

OES AMK #: A1958

IAM AMK #: A2125

GTIN code: 4260585260008



- ✓ highest OEM quality
- ✓ specification equal to OEM
- ✓ dedicated fit to specific vehicles
- ✓ powerful and robust design
- ✓ low noise emission
- ✓ easy installation

Please read the following manual carefully and stick to all instructions.

⚠ WARNING
WARNING: Use protection equipment, especially for feet, hands, eyes and ears. Keep to all relevant accident prevention regulations and national regulations.

⚠ WARNING
WARNING: When jacking the car make sure the correct jacking points are used. Consult owner's manual, service manual or contact the car dealer. To avoid serious injury or death it is absolutely necessary not to perform any work under a not properly jacked car.

⚠ WARNING
WARNING: Burn hazard! The compressor could be hot from previous operation. Let it cool off before servicing.

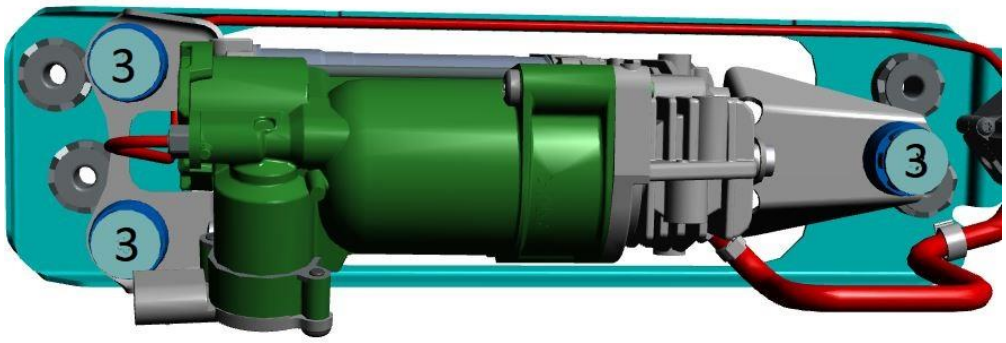
⚠ WARNING
WARNING: The air suspension system is under pressure. Prior to disassembly disconnect power and relieve pressure. Consult owner's manual on how to disconnect the battery.

⚠ CAUTION
CAUTION: Damage to the vehicle and air suspension system can be incurred if work is carried out in a manner other than specified in the instructions or in a different sequence.

⚠ Only qualified personnel of a service workshop are to perform repair work on a cars air suspension system.

⚠ Use the diagnostic software of the car manufacturer and follow its instructions.

1. Fasten the compressor to the car bracket considering the right sequence of the decoupling / isolation kit (AMK # 404685)

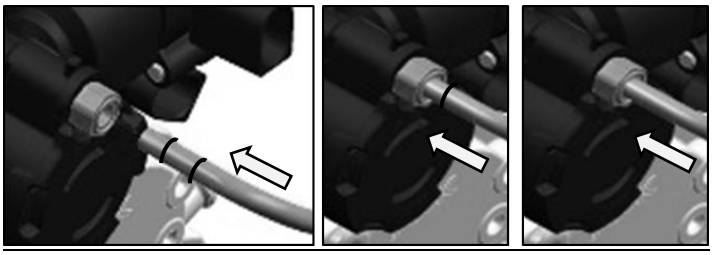




Torques

- isolation/decoupling on mounting point of compressor to car 11,5 + 0,5 Nm
- all other nuts and bolts according to manufacturer's specification

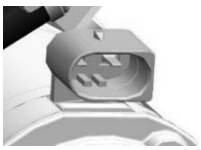
2. Reconnect small air outtake line to the compressor



Designation VOSS	Hose diameter
Thread M8x1	4 mm
Thread M10x1	6 mm
Thread M12x1	8 mm

⚠ Follow instructions of the air connector manufacturer (www.voss.de)

3. Reconnect both electric cables to the compressor (motor cable and solenoid valve cable)



4. MOTOR



SOLENOID VALVE



POLARITY



PLUGS

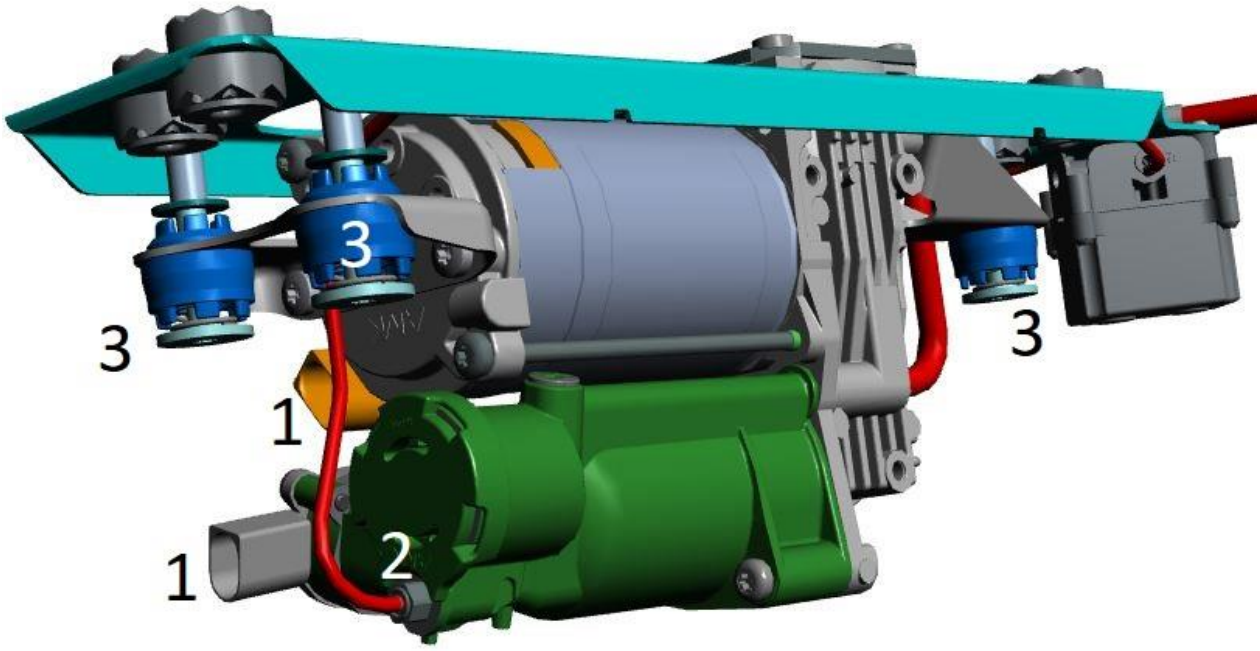
⚠ Do not allow dirt, dust, water to enter electrical connections (sockets and plugs)

1. BEFORE REPAIR

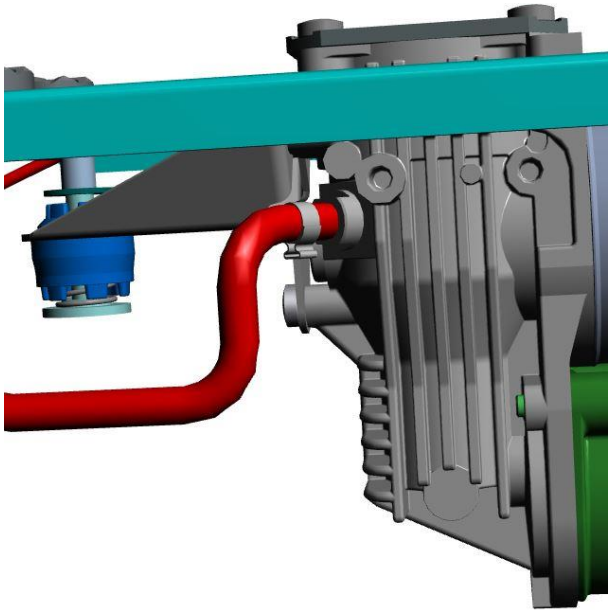
No.	IMPORTANT OPERATIONS TO BE PERFORMED	CHECKED
1	Inspect whole air suspension system for air leakages (air struts, air springs, pipes, valve block, air connectors etc.). If necessary follow manufacturer's instructions for repair of broken components to avoid damage of compressor or loss of warranty.	
2	Inspect whole electrical infrastructure of air suspension system (relay, electrical wires, electrical connectors etc.). If necessary follow manufacturer's instructions for repair of broken components to avoid damage of compressor and loss of warranty.	
3	Start repair work only when you have read and understood all information required for repair.	
4	Use only spare parts released by car manufacturer or AMK.	
5	Do not damage air lines and cables.	

2. REMOVAL OF OLD COMPRESSOR

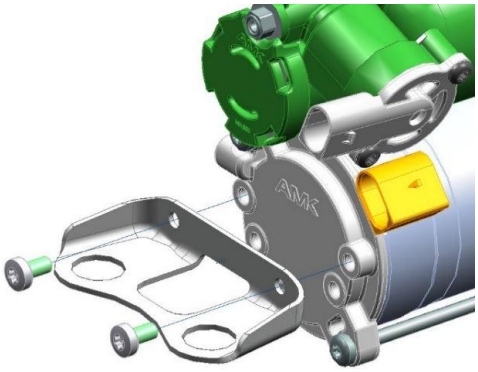
1. Disconnect both electric cables from the compressor (motor cable and solenoid valve cable)
2. Disconnect small air outtake line from the compressor by unscrewing the fitting. Remove fitting from air line.
3. Remove the three decoupling elements holding the compressor to the car bracket and take out compressor.

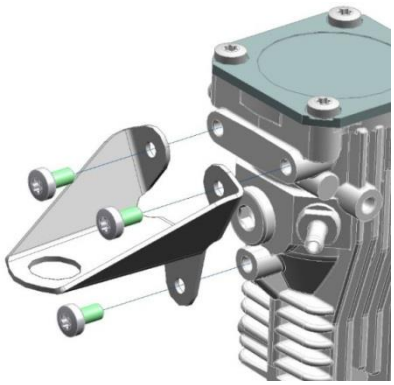


4. Remove bigger air intake line from compressor



5. Remove both small compressor brackets from compressor





3. ADDITIONAL INSPECTION UPON COMPRESSOR REMOVAL

⚠ Inspect compressor to identify root cause of the compressor failure and breakdown.

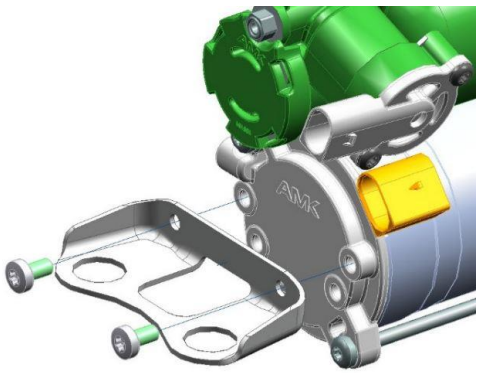
- If there is corrosion in the air intake check air intake pipe and filter, as there might be water. If necessary replace damaged elements.
- If the compressor has a burning smell, check relay and electrical connections. If necessary replace damaged elements.
- If the compressor has a burning smell, check all components of the air system (air lines, air springs, struts, valve block) for leaks. If necessary replace damaged elements.

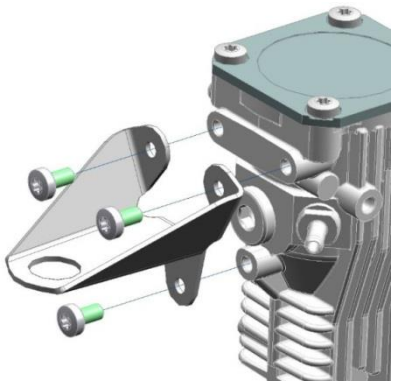
No.	IMPORTANT OPERATIONS HINTS	CHECKED
1	Do not remove any screw, air fitting, pipe or any other accessory from the new compressor, as it may cause damage and loss of warranty.	
2	Do not allow dirt, water or grease to enter the air suspension system during repair. Clean air intake pipe.	
3	Use only spare parts released by car manufacturer or AMK.	
4	Do not damage air lines and cables.	
5	It is mandatory to replace relay, according to car manufacturer service instruction.	
6	It is mandatory to replace air filter, according to car manufacturer service instruction.	

4. INSTALLATION OF NEW COMPRESSOR

⚠ WARNING
WARNING: Risk of damage! Perform proper assembly of mounting brackets, compressor hardware, compressor assembly, isolation kits using specified below torques.

5. Install 2 brackets to the compressor using mounting screw M6x12, torque 10,5 + 1 Nm





6. Install air intake hose to the new compressor

