



Equipped with AEM® Dryflow™ Filter  
No Oil Required!

# INSTALLATION INSTRUCTIONS

## PART NUMBER

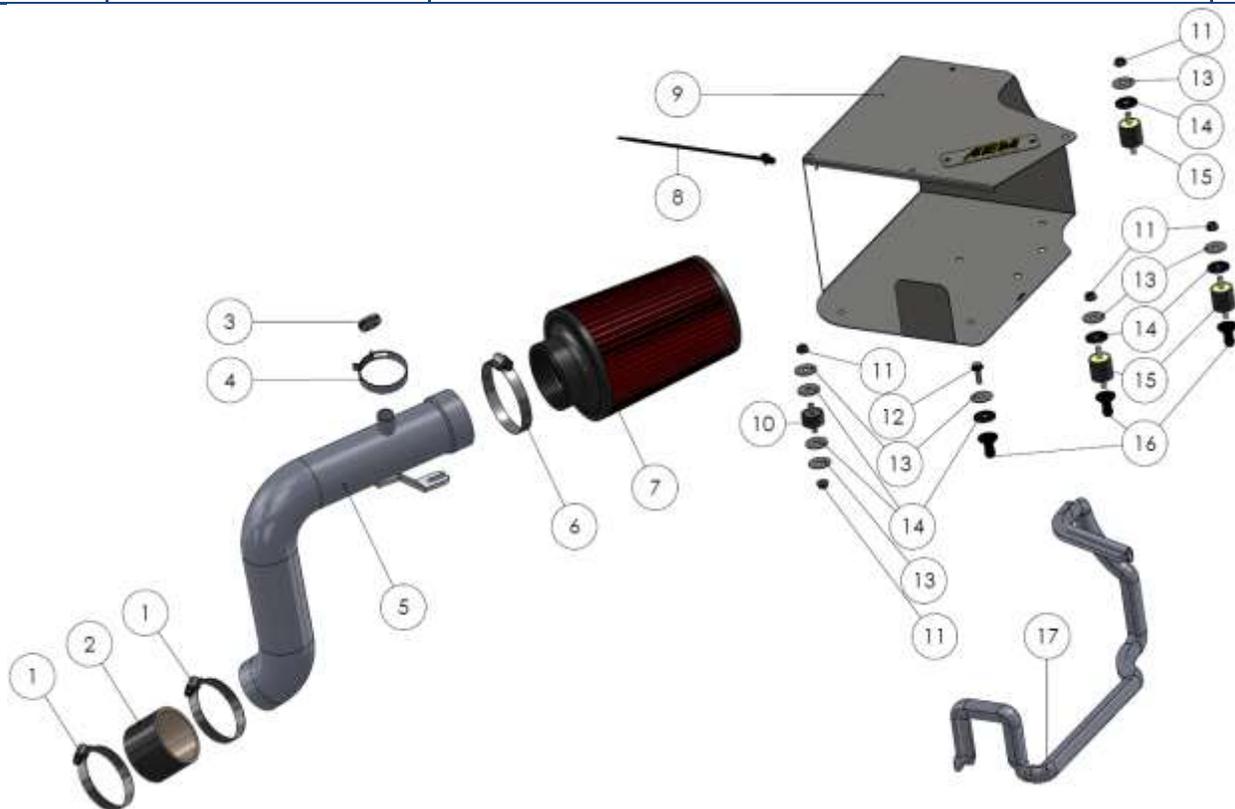
### 21-762C (Gun Metal Gray Finish)

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2011-2016	JEEP	COMPASS	2.0L & 2.4L
2011-2016	JEEP	PATRIOT	2.0L & 2.4L

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ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	9440	HOSE CLAMP, 2.15-3.00"	2
2	5-252	HOSE, SILICONE 2.50X2" BLACK	1
3	784646	GROMMET, 1/2" 3/32 GW	1
4	08557	HOSE CLAMP; SPRING BAND 28MM	1
5	2-1546C	TUBE; 2.50"OD X 20", 21-762	1
6	9448	1/2" BNDHOSE CLAMP,2.56"-3.50"	1
7	21-2157DK	AIR FILTER 2-3/4" FLG, 5-1/2"B, 4-3/4"T	1
8	1-127	ZIP TIE,8" TREE PUSH-MNT	1
9	20-8558B	HEAT SHIELD; 21-762 JEEP COMPASS	1
10	07027	STUD; M6-1.00 M/M, RUBBER MNTD	1
11	444.460.04	NUT; M6 HEX SERRATED	5
12	1-2038	BOLT; HEX/FLANGE M6-1 X 20	1
13	08160	WASHER; 1"D X 1/4 HOLE FENDER	6
14	21685	WASHER; 1" X .300 X .100 RUBBER	6
15	1228599	MOUNT, RUBBER 1" X 6MM	3
16	8-186-1	MOUNT, PLASTIC AIRBOX, NYLON	3
17	102496	EDGE TRIM; 3/4" BULB, TOP LOC, 39"L	1



Read and understand these instructions **BEFORE** attempting to install this product. Failure to follow installation instructions and not using the provided hardware may damage the intake tube, throttle body and engine.

## 1. Preparing Vehicle

- a. Make sure vehicle is parked on level surface.
- b. Set the parking brake.
- c. If engine has run in the past two hours, let it cool down.
- d. Disconnect negative battery terminal.
- e. Do not discard stock components after removal of the factory system.
- f. Open the air intake kit package and make sure all parts are included.

### Tools Needed:

Screwdriver  
8 & 10mm Socket  
Pliers  
Knife

## 2. Removal of stock system



a. Twist the two plastic clips that secure the fresh air scoop to the vehicle and remove the scoop. This will be re-installed in step 3p.



b. Slide the red locking tab and disconnect the intake air temperature (IAT) sensor from the stock intake. Loosen the hose clamp circled.



c. Remove the three bolts securing the ECU and ECU ground to the air box lid. Then flip the ECU over and lay it on the engine cover. NOTE: It is NOT necessary to disconnect the ECU electrical connection. The bolts will be reused in step 3h.



d. Carefully lay the ECU over the engine cover and remove the bolt securing the air box mounting bracket to the inner fender.



e. Remove the vent hose on the side of the stock air box. This will be reattached in step 30.



f. Disconnect the stock intake tube from the stock air box.



g. Remove the stock air box from the vehicle. Note: Do not discard any of your stock equipment.



h. Loosen the hose clamp securing the stock intake tube to the throttle body and then remove the intake tube from the vehicle.



i. Remove the air temperature sensor from the stock intake tube. This will be reused in step 3c.

### 3. Installation of AEM® intake system.

a. When installing the intake system, do not completely tighten the hose clamps or mounting hardware until instructed to do so.



a. Install the provided hose and hose clamps onto the throttle body. Tighten the hose clamp closest to the throttle body at this time.



b. Install the provided grommet into the hole on the AEM intake tube.



c. Install the air temperature sensor that was removed in step 2i. into the grommet.



d. Install the provided hardware onto the AEM heat shield. Refer to the exploded view for hardware orientation.



e. Install the provided edge trim as shown. Note: You may need to cut trim to length.



f. Install the rubber mounted stud onto the inner fender as shown.



g. Install the assembled heat shield into the vehicle aligning the mounts in the heat shield with the grommets in the vehicle. Align the heat shield with the rubber mount circled and tighten with supplied hardware.



h. Place the ECU onto the heat shield and install the three bolts that were removed in step 2c. Note: Make sure to connect the ground strap.



i. Place the AEM air filter with the hose clamp into the heat shield at this time.



j. Install the AEM intake tube into the coupler at the throttle body and align the bracket with the rubber mount.



k. With the AEM intake tube aligned in the hose, tighten the hose clamp circled.



l. Install the provided hardware and secure the AEM intake tube to the rubber mount.



m. Install the AEM air filter onto the AEM tube and tighten the hose clamp.



n. Plug the air temperature sensor connector into the air temperature sensor and lock the red locking tab.



o. Install the vent tube that was removed in step 2e. onto the AEM intake tube with the provided spring clamp.



p. Install the fresh air scoop back onto the vehicle that was removed in step 2a.



STOCK INTAKE INSTALLED



AEM INTAKE INSTALLED

#### 4. Reassemble Vehicle

- a. Position the inlet pipes for the best fitment. Be sure that the pipes or any other components do not contact any part of the vehicle.
- b. Check for proper hood clearance. Re-adjust pipes if necessary and re-tighten them.
- c. Inspect the engine bay for any loose tools and check that all fasteners that were moved or removed are properly tightened.
- d. Reconnect negative battery terminal and start engine. Let the vehicle idle for 3 minutes. Perform a final inspection before driving the vehicle.

#### 5. Service and Maintenance

- a. AEM Induction Systems requires cleaning the intake system's air filter element every 100,000 miles. When used in dusty or off-road environments, our filters will require cleaning more often. We recommend that you visually inspect your filter once every 25,000 miles to determine if the screen is still visible. When the screen is no longer visible some place on the filter element, it is time to clean it. To clean, purchase our Synthetic air filter cleaner, part number 1-1000 and follow the easy instructions.
- b. Use window cleaner to clean your powder coated AEM<sup>®</sup> intake tube.

**NOTE: DO NOT USE aluminum polish on powder coated AEM<sup>®</sup> intake tubes.**

For technical inquiries  
e-mail us at  
[sales@aemintakes.com](mailto:sales@aemintakes.com)  
or  
call us at  
800.992.3000

## **AEM Air Intake System Warranty Policy**

AEM® warrants that its intake systems will last for the life of your vehicle. AEM® will not honor this warranty due to mechanical damage (i.e. improper installation or fitment), damage from misuse, accidents or flying debris. AEM® will not warrant its powder coating if the finish has been cleaned with a hydrocarbon-based solvent. The powder coating should only be cleaned with a mild soap and water solution. Proof of purchase of both the vehicle and AEM® intake system is required for redemption of a warranty claim.

This warranty is limited to the repair or replacement of the AEM® part. In no event shall this warranty exceed the original purchase price of the AEM® part nor shall AEM® be responsible for special, incidental or consequential damages or cost incurred due to the failure of this product. Warranty claims to AEM® must be transportation prepaid and accompanied with dated proof of purchase. This warranty applies only to the original purchaser of product and is nontransferable. Improper use or installation, use for racing, accident, abuse, unauthorized repairs or alterations voids this warranty. AEM® disclaims any liability for consequential damages due to breach of any written or implied warranty on all products manufactured by AEM®. Warranty returns will only be accepted by AEM® when accompanied by a valid Return Merchandise Authorization (RMA) number. Credit for defective products will be issued pending inspection. Product must be received by AEM® within 30 days of the date RMA is issued.

If you have a warranty issue, please call (800) 992-3000 and our customer service department will assist you. A proof of purchase is required for all AEM® warranty claims.

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