



Equipped with AEM® Dryflow™ Filter
No Oil Required!

INSTALLATION INSTRUCTIONS

PART NUMBER

26-3002C (Gun Metal Gray Finish)

2016

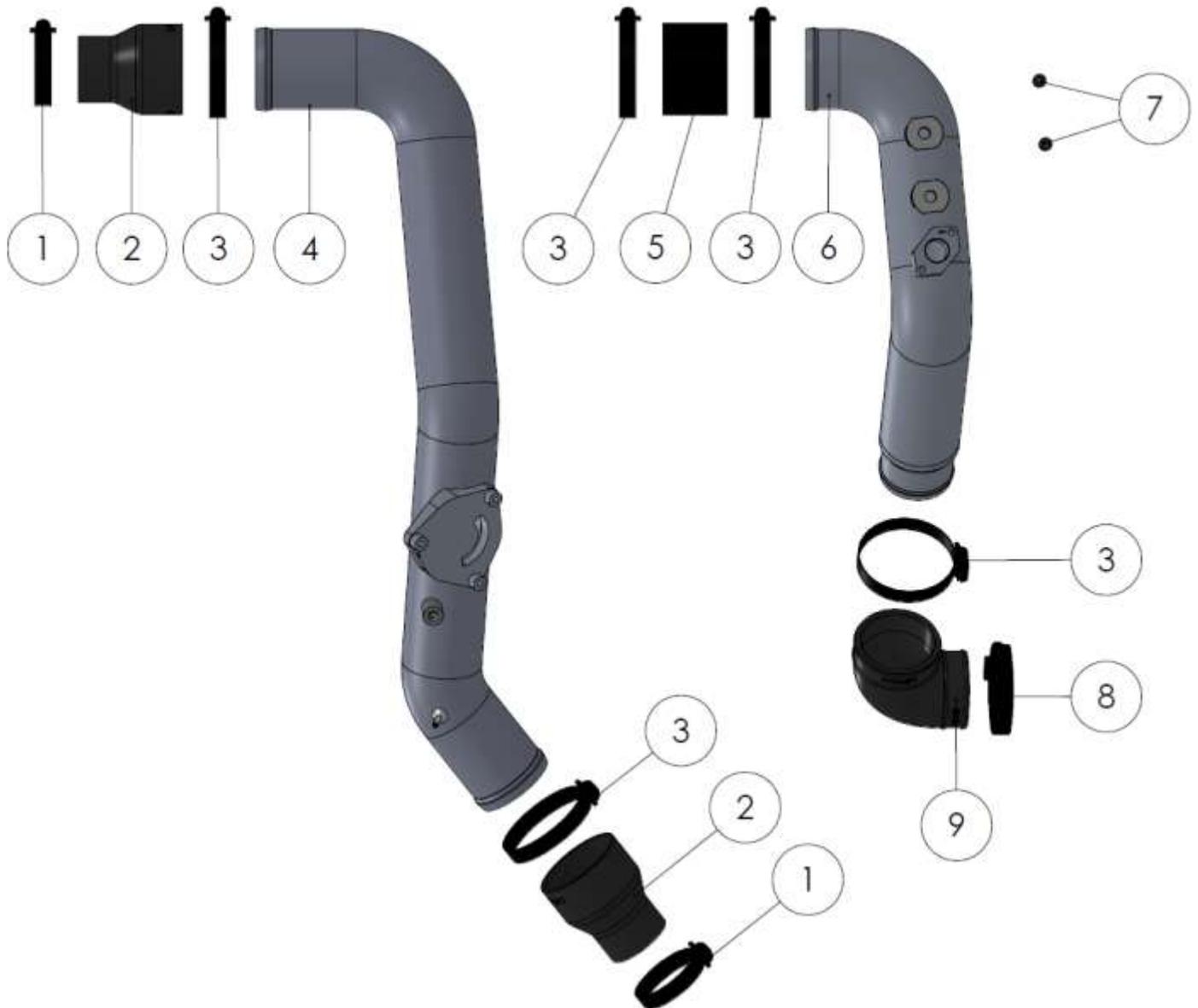
HYUNDAI

TUCSON

1.6 Turbo

Not legal for sale or use on any pollution controlled motor vehicle in California or states adopting California emission procedures. See AEMIntakes.com for CARB status on each part for a specific vehicle.

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	08483K	HOSE CLAMP #28, BLACK ZINC PLATED	2
2	5-1070	COUPLER;1.75-2.50X3.25" LONG, SILICONE 4-PLY	2
3	08554K	HOSE CLAMP #40, BLACK ZINC PLATED	5
4	2-1560C	TUBE; 2.50"OD X 31.5", 26-3002, GUNMETAL	1
5	5-252	HOSE, SILICONE 2.50X2" BLACK	1
6	2-1561C	TUBE; 2.50"OD X 20.5", 26-3002, GUNMETAL	1
7	1-1014	PLUG; STAINLESS STEEL 1/8" NPT	2
8	08530K	HOSE CLAMP #36, BLACK ZINC PLATED	1
9	03108	HOSE; ELBOW; 90, 2.25 ID/2.0 ID; BLACK; EPDM	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.

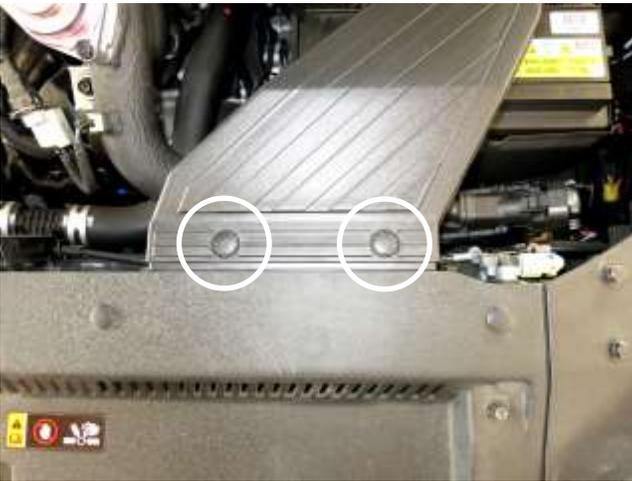
1. Preparing Vehicle

- Make sure vehicle is parked on level surface.
- Set the parking brake.
- If engine has run in the past two hours, let it cool down.
- Disconnect negative battery terminal.
- Do not discard stock components after removal of the factory system.

Tools Needed:

Flat Head Screw Driver	Socket Driver
8, 10, 12 mm Sockets	6" Extension
Pliers	3/16" & 3mm Allen
Pipe Sealer/Teflon Tape	Warm Soap & Water

2. Removal of stock system



a. Remove the two clips securing the stock air scoop to the vehicle.



b. Squeeze the spring clamp and work the clamp back off of the turbo recirculation valve hose. Disconnect the hose from the stock intake arm.



c. Remove the M6 bolt securing the electrical connector. Squeeze on the spring clamp and remove the vacuum hose from the nipple. These will be reused in step 3I & 3m.



d. Remove the 3 bolts securing the recirculation valve to the stock intercooler pipe, then move the valve to the side of the engine compartment. Note: Do not lose the O-ring under the valve.



e. Remove the bolt that secures the intercooler pipe to the engine. This bolt will not be reused.



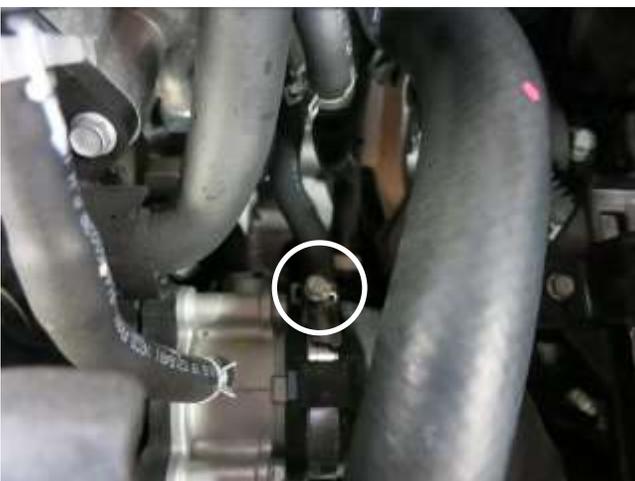
f. Loosen the hose clamp at the turbo compressor. Note: A hose clamp cap that covers the slot may be present. You can pry it off with a screwdriver or pliers.



g. Loosen the hose clamp at the intercooler. Note: A hose clamp cap that covers the slot may be present. You can pry it off with a screwdriver or pliers.



h. Remove the upper intercooler pipe from the engine.



i. Loosen the hose clamp at the throttle body.



j. Remove the electrical connector from the pressure sensor on the lower intercooler pipe.



k. Remove the 3 bolts that secure the drivers side splash shield, then lower it down.



l. Loosen the hose clamp at the lower intercooler outlet from under the vehicle. Note: A hose clamp cap that covers the slot may be present. You can pry it off with a screwdriver or pliers.



m. Remove the lower intercooler pipe from the vehicle.



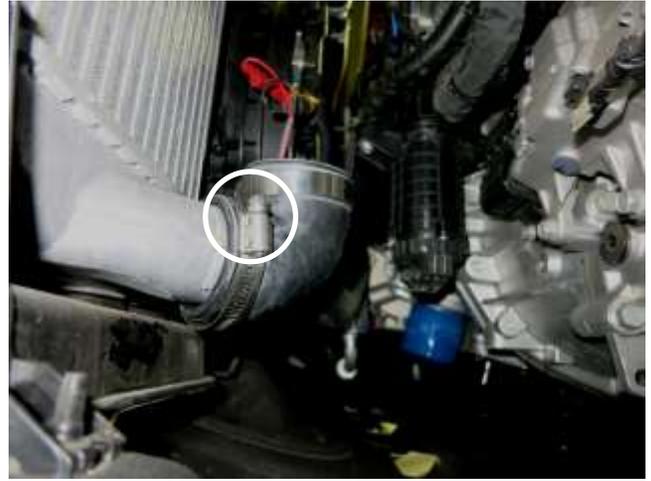
n. Remove the two M6 bolts securing the pressure sensor to the lower intercooler pipe. These bolts will not be reused.

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 2 NPT plugs into the AEM intercooler pipe with Teflon tape or pipe sealant. Then, install the pressure sensor with M6 bolts removed in step 2n.



b. Install the 90° coupler with the provided hose clamps onto the lower intercooler outlet. Note: Warm soapy water will help with installation.



c. Install the AEM intercooler pipe into the coupler. Tighten hose clamp once upper part of tube is aligned to 30 in-lbs.



d. Install the provided coupler into the throttle body and install the AEM lower intercooler pipe into the coupler along with hose clamps. Note: Warm soapy water will help with installation.



e. After installing the coupler and hose clamps onto the throttle body, make sure the tube is aligned and tighten all the hose clamps at the throttle body and lower intercooler outlet to 30 in-lbs.



f. Connect the pressure sensor electrical connector to the pressure sensor.



g. Install the provided coupler and hose clamps onto the turbo compressor outlet. Tighten the hose clamp circled at this time to 30 in-lbs.



h. Install the provided coupler and hose clamps onto the intercooler. Tighten the hose clamp circled at this time to 30 in-lbs.



i. Install the AEM upper intercooler pipe into the previously installed couplers. Note: Using warm soapy water may help installation and alignment.



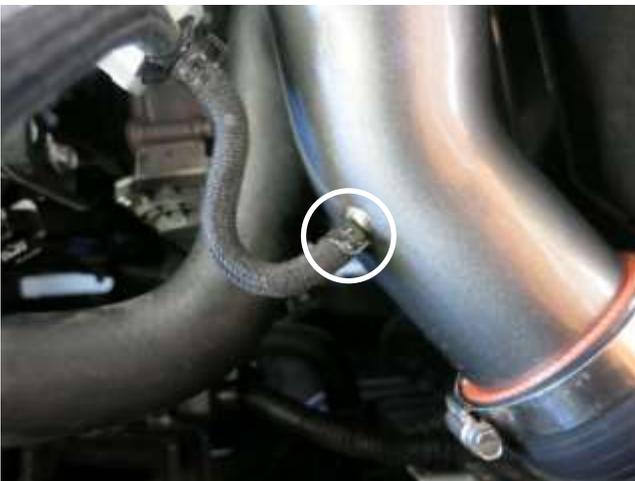
j. Once the AEM intercooler pipe is properly aligned. Tighten the hose clamp circled to 30 in-lbs.



k. Tighten hose clamp circled at the intercooler to 30 in-lbs



l. Using the bolt removed in step 2c to secure the electrical connector to the AEM pipe.



m. Reattach the vacuum hose that was removed in step 2c. with the stock spring clamp.



n. Reinstall the BOV onto the AEM intercooler pipe and tighten with the bolts that were removed in step 2d.



o. Slide the BOV hose back onto the stock intake tube and secure with the stock spring clamp that was removed in step 2b. Note: Soapy water will help with installation.



p. Install the stock scoop back into the vehicle with the clips removed in step 2a.



STOCK CHARGE PIPES



AEM CHARGE PIPE KIT INSTALLED

4. Reassemble Vehicle

- a. Position all components for the best fitment. Be sure that no components contact any unintended part of the vehicle.
- b. Check for proper hood clearance. Re-adjust components 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[®] intake tube.

NOTE: DO NOT USE aluminum polish on powder coated AEM[®] intake tubes.

For technical inquiries
e-mail us at
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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