

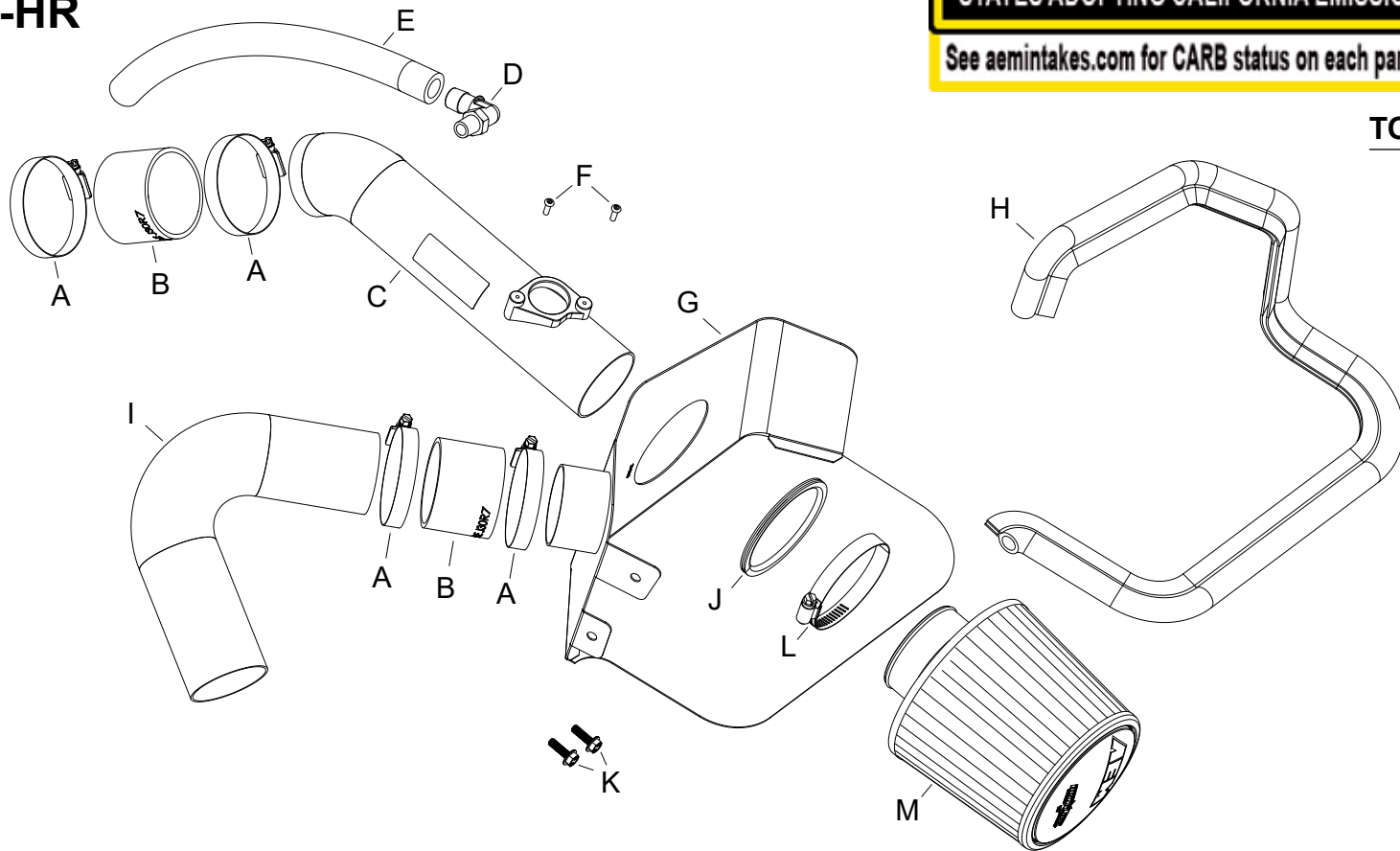


INSTALLATION INSTRUCTIONS

21-837C (Gun Metal Gray Finish)
TOYOTA
2018-20 C-HR
L4-2.0L

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



TOOLS NEEDED:

flat blade screw driver
 phillips screw driver
 2.5mm allen key
 ratchet
 extension
 10mm socket

PARTS LIST:

Description	Qty.	Part #	Description	Qty.	Part #	Description	Qty.	Part #
A HOSE CLAMP; 2.15"-3"	4	9440	F BOLT; M4 X .7 X 8MM, SS	2	07741	J EDGE TRIM; 1/16" GAP, 11"L	1	8-3011
B HOSE; 2.5"ID X 2"L REIN	2	08284	G HEAT SHIELD	1	20-8620	K BOLT; HEX/FLANGE M6-1.0	2	1-2110
C INTAKE TUBE	1	2-1607C	H EDGE TRIM (33")	1	102498	L HOSE CLAMP; 2.31"-3.25"	1	9444
D FITTING; VENT 1/4NPT, 90DEG.	1	08525	I INLET TUBE	1	2-1611C	M FILTER	1	21-201DK
E HOSE; 5/8"ID X 13"L	1	08602						

If you need any assistance please call 1-800-858-3333 to speak with a representative in our Customer Service Center before returning the product.

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.

TO START:

1. Turn off the ignition and disconnect the negative battery cable.

NOTE: Disconnecting the negative battery cable erases pre-programmed electronic memories. Write down all memory settings before disconnecting the negative battery cable. Some radios will require an anti-theft code to be entered after the battery is reconnected. The anti-theft code is typically supplied with your owner's manual. In the event your vehicles anti-theft code cannot be recovered, contact an authorized dealership to obtain your vehicles anti-theft code.



2. Disconnect the mass air sensor electrical connection.



3. Lift up the decorative engine cover to release it from the mounting grommets and then remove from the vehicle.



4. Loosen the hose clamp that secures the intake tube to the throttle body. Release the spring clamp that secures the crank case vent hose to the valve cover port and then disconnect the crank case vent hose.



5. Release the two clips that secure the upper air filter housing, then remove the upper housing with the intake tube and crank case breather hose. Remove the factory air filter.



6. Remove the four plastic retaining clips and two hood stops and then remove the core support cover.

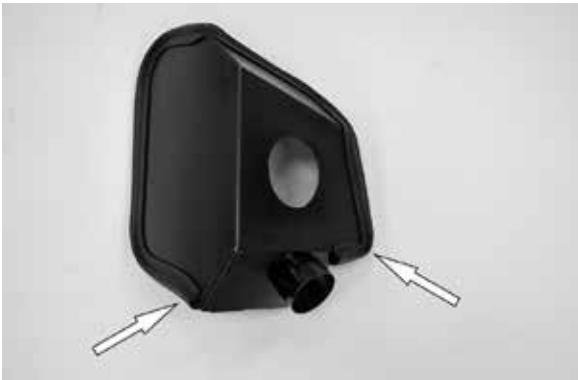


7. Remove the four bolts that secure the fresh air inlet duct and then remove the duct from the vehicle.



8. Remove the two bolts that secure the lower air filter housing and then remove the housing from the vehicle.

NOTE: AEM recommends that customers do not discard factory air intake.



9. Install the provided edge trim around the heat shield. Some trimming of the edge trim will be necessary.



10. Install the provided edge trim inside the hole of the heat shield.



11. Install coupler (08284) onto the heat shield and secure with the provided hose clamp. Set the heat shield assembly onto the inner fender and secure with the hardware provided.



12. Install the provided coupler (08284) onto the throttle body and secure with the provided hose clamp.



13. Install the fresh air intake tube into the coupler at the heat shield but do not completely tighten the hose clamp at this time to allow some adjustment.



14. Install the provided 90° vent fitting into the intake tube as shown.

NOTE: Plastic NPT fittings are easy to cross thread. Install the vent fitting "hand" tight, then turn it two complete turns with a wrench.



15. Remove the mass air sensor from the factory air filter housing and install it into the AEM® intake tube and secure with the provided hardware.



16. Install the AEM® intake tube through the heat shield and then into the coupler at the throttle body, adjust the tube for best fit and then secure with the provided hose clamp.



17. Install the factory fresh air intake and align the AEM® fresh air intake tube. Secure the factory fresh air intake with the factory bolts and secure the AEM® fresh air tube with the hose clamp provided.



18. Install the provided crank case vent hose onto the fitting on the intake tube and then onto the fitting on the valve cover.



19. Install the AEM® air filter and secure with the provided hose clamp.
NOTE: Flex the heat shield to allow clearance for the air filter install.



20. Reconnect the mass air sensor electrical connection.



21. Reinstall the decorative engine cover.



22. Reinstall the core support cover and secure with the factory hardware. Reconnect the negative battery cable.

Reassemble Vehicle

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. Tighten the rubber mount, all bolts, and hose clamps. Check for proper hood clearance. Re-adjust pipes if necessary and re-tighten them. Inspect the engine bay for any loose tools and check that all fasteners that were moved or removed are properly tightened. Reconnect negative battery terminal and start engine. Let the vehicle idle for 3 minutes. Perform a final inspection before driving the vehicle.

Service and Maintenance

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 99-0624 and follow the easy instructions. Use window cleaner to clean your powder coated AEM® intake tube.

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

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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.