



INTAKE SYSTEM

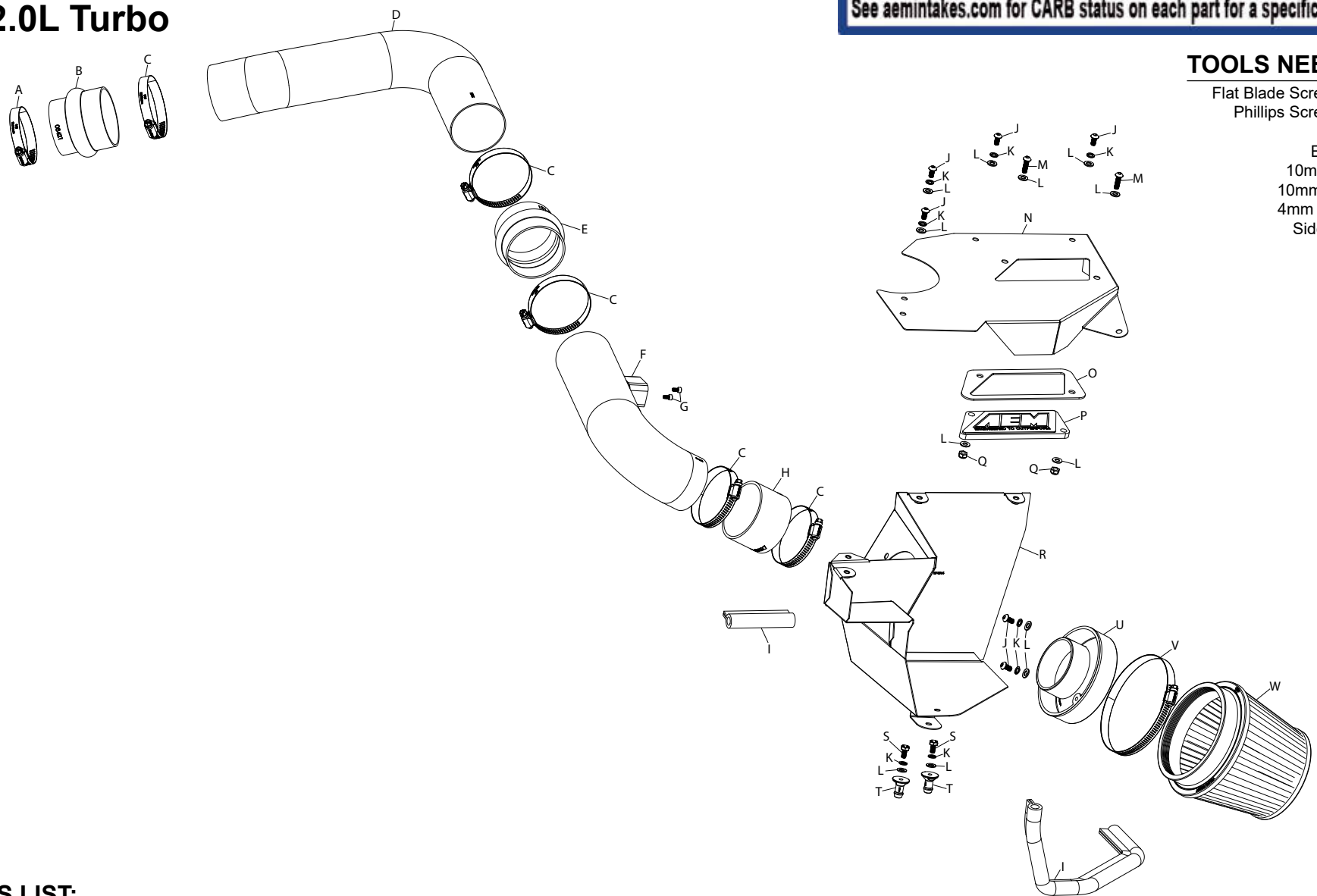
INSTALLATION INSTRUCTIONS

21-889C
NISSAN
2019-21 Altima
L4-2.0L 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

TOOLS NEEDED:

- Flat Blade Screw Driver
- Phillips Screw Driver
- Ratchet
- Extension
- 10mm socket
- 10mm Wrench
- 4mm allen key
- Side Cutters



PARTS LIST:

| Description | Qty. | Part # | Description | Qty. | Part # | Description | Qty. | Part # |
|--------------------------------|------|--------|----------------------------|------|--------------|-------------------------|------|-----------|
| A HOSE CLAMP; #44 | 1 | 08577 | I EDGE TRIM; 23"L | 1 | 102495 | Q NUT; 6MM NYLOCK | 2 | 07512 |
| B HOSE; HUMP 3" TO 2.75" X 3"L | 1 | 08421 | J BOLT; M6-1 X 12MM | 6 | 07794 | R HEAT SHIELD | 1 | 074544 |
| C HOSE CLAMP; #48 | 5 | 08601 | K WASHER; M6 SPLIT LOCK | 8 | 1-3025 | S BOLT; M6 X 1 X 12MM | 2 | 07727 |
| D TUBE; 3"OD X 14"L | 1 | 25863C | L WASHER; 6MM FLAT | 12 | 08269 | T MOUNT; PLASTIC AIRBOX | 2 | 8-186-1 |
| E HOSE; HUMP 3"ID X 2.5"L | 1 | 087121 | M SCREW; M6 X 20MM | 2 | KIT20BHC3060 | U ADAPTER; FILTER 3"OD | 1 | 21569 |
| F TUBE; 3"OD X 17"L | 1 | 25864C | N LID | 1 | 074545 | V HOSE CLAMP; #80 | 1 | 08694 |
| G FACTORY BOLT | 2 | N/A | O SPACER; ALUM CLEAR BADGE | 1 | 7-364 | W AIR FILTER | 1 | 21-2073DK |
| H HOSE; SILICONE 3"ID X 2" | 1 | 5-302 | P PLATE; AEM LOGO, CLEAR | 1 | 8-211-1 | | | |

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. Remove the twelve retaining pins that secure the radiator valence. Then remove the valence from the vehicle.



3. Remove the two retaining pins that secure the fresh air duct to the core support.



4. Disconnect the mass air sensor electrical connection.



5. Loosen the hose clamps that secure the factory intake tube and then remove the tube from the vehicle.



6. Remove the air filter housing front mounting bolt.



7. Pull up the air filter housing to remove it from the vehicle.



8. Lift up and remove the engine cover.



9. Loosen the hose clamp that secures the intake tube and remove the bolt that secures the intake plenum. Then remove the plenum and intake tube.



10. Install Mounting posts provided onto the heat shield using the provided hardware.



11. Install the Filter adapter using the provided hardware.



12. Cut a section of edge trim to 18" and install it onto the heat shield as shown.



13. Install the heat shield assembly into the vehicle so the mounting posts insert into the factory mounting grommets.



14. Look to make sure that the fresh section of the heat shield is inside the factory fresh air duct.



15. Install the hump coupler #08421 onto the end of the factory inlet tube as shown and secure with the provided hose clamp.



16. Install the provided straight coupler onto the filter adapter and secure with the provided hose clamp.



17. Install the rear intake tube into the coupler but do not tighten the hose clamp at this time.



18. Remove the maf sensor from the factory housing and install it into the AEM intake tube and secure with the provided hardware. Install the provided coupler #087121 onto the tube and secure with the provided hose clamp.



19. Install the front tube front intake tube into the couplers, adjust for best fit and then secure with the provided hose clamps.



20. Reconnect the maf electrical connection.



21. Install the air filter onto the filter adapter and secure with the provided hose clamp.



22. Install the AEM window into the heat shield lid using the provided hardware.



23. Install the remaining 4" edge trim onto the heat shield lid as shown.



24. Install the lid onto the heat shield using the provided hardware.



25. Reinstall the engine cover.



26. Reinstall the radiator cover and secure with the factory retaining pins.



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 1-1000 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.