

# Dodge Dart 2.4L CAI Install Instructions



## Parts needed:

- 10mm socket(or wrench)
- 8mm socket(or wrench)
- 6mm socket(or wrench)
- Flat head screw driver
- Soap and water

## Engine bay stock system removal

- Start by removing engine cover 4 nuts (10mm)
- Start by removing clamp securing stock intake tube to throttle body. (6mm socket).
- Disconnect air sensor Located inside of stock intake tube. Push in on the sensor and rotate counter clockwise to remove from tube.
- Remove clip on connecting air baffle on stock intake tube to engine head.
- Remove bolt securing stock intake tube to engine head (10mm)
- Loosen clamp securing ribbed rubber tube to air filter box. (8mm)
- Once loosened remove stock intake tube and ribbed rubber hose.
- Remove bolt holding in stock air filter box (10mm)
- Remove AC line secured with clip on front of stock air box.
- Disconnect breather hose from stock air box, and engine block.
- Carefully remove stock air box. A little wiggling may be required.

## Stock Resonator Removal

- Jack front passenger side of vehicle up using approved jacking spots.
- Remove front passenger wheel.
- Remove wheel well cover. 4 bolts(8mm) 12 clips. Use a flat side of a screw driver or a clip removing automotive tool.
- Once wheel well cover is removed locate the stock resonator. It is connected to the underside of where the air box was located.
- Remove bolt on bottom side of resonator (10mm)
- Pull resonator downwards to unseal the rubber grommet connected to the engine bay.
- The next part requires some time and finagling. Disconnect resonator from stock ram air tube.  
**DO NOT remove stock ram air tube.**

## HPSI Intake Install

- Start by inserting air sensor into port located on piece #1



- To slide piece 1 into place. Start by slowly inserting front opening of intake tube through space between engine and cowl. You may have to pinch the opening slightly. Try to push it toward the back of vehicle to avoid wire harnessing, and wire harnessing zip ties. Push towards passenger side until port side opening meets up with throttle body. It will require some twisting and turning. Be sure to put a clamp on the port side opening of tube before securing over throttle body. Connect air sensor clip back to sensor.





- Connect joiner to opening on tube. Place joiner mounting hose over stock engine cover stud. Be sure to put the shorter side of the joiner towards the back of the vehicle. It should be at an angle.

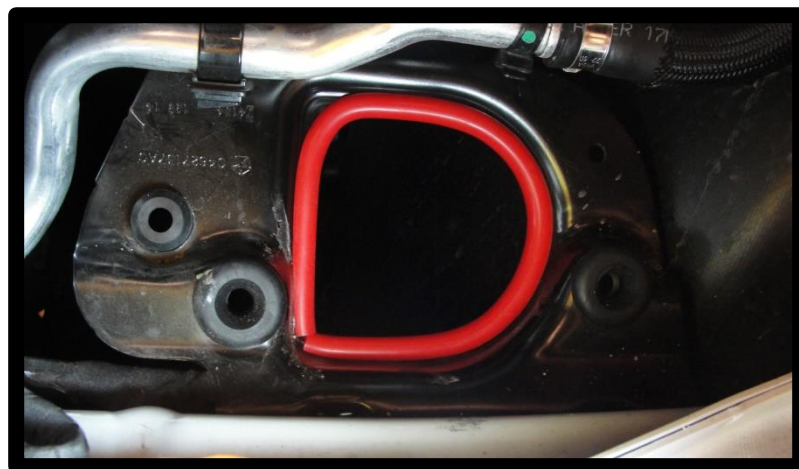
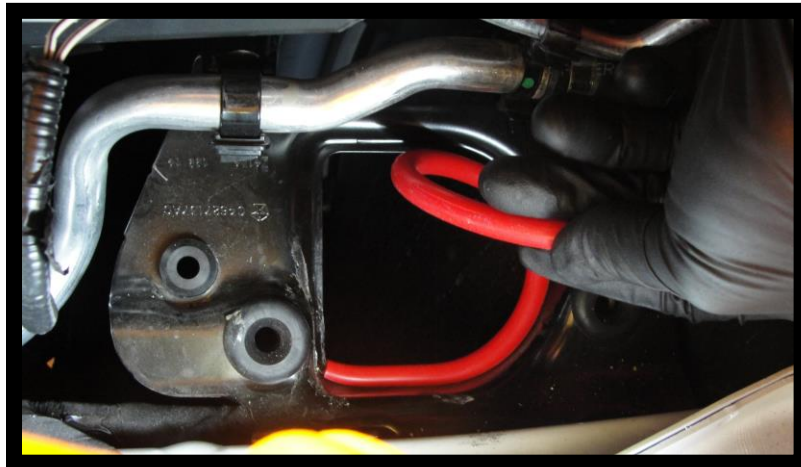




- Place included washer and nut on engine head stud. **Hand tighten** until the joiner is secured, **DO NOT use wrench to tighten it yet.**



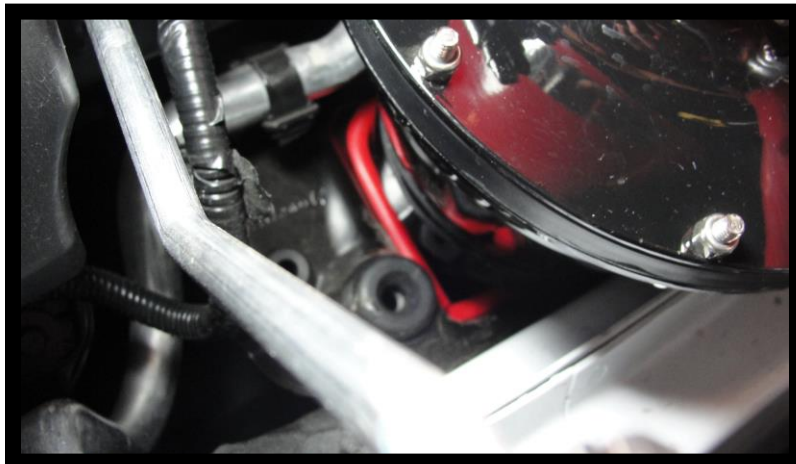
- If you removed the stock resonator in wheel well be sure to use included split silicone hose to line the inside of the air box mount.



- Place piece 2 onto Apollo filter.
- Place Apollo filter tip into hose lined hole, facing the port on the side of the filter towards the engine.
- Insert backside of piece 2 onto joiner.



- Rotate piece 2 and Apollo filter until desired clearance. Make sure Apollo filter is inserted into the hose lined air box mount. Make sure the filter is clear on either side.



- Attach included 14mm breather hose to Apollo filter and fitting on engine block.



- You may need to adjust joiner angle to achieve perfect clearance.
- Tighten joiner nut.
- Tighten all clamps.

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