

## 2012 - UP JK Wrangler Cold Air Intake - 3.6L

### Contents:

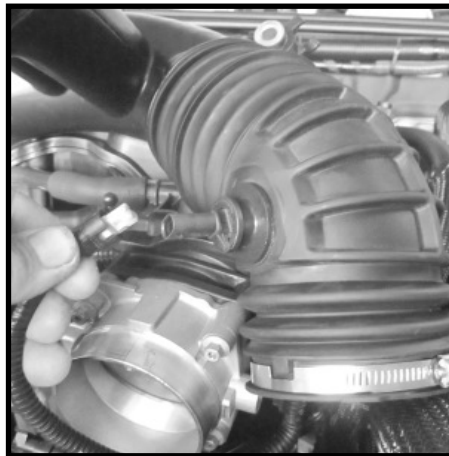
- |                               |                                 |
|-------------------------------|---------------------------------|
| 1. Intake Tube (1)            | 9. M6 Flat Washers (4)          |
| 2. Heat Shield (1)            | 10. M6 Nut (2)                  |
| 3. Weather Stripping (1)      | 11. M6 Aluminum Spacer (2)      |
| 4. Air Filter (1)             | 12. Rubber Isolator Mount (1)   |
| 5. Throttle Body Coupling (1) | 13. M6 Washers (2)              |
| 6. Large Hose Clamps (3)      | 14. M6 Nuts (2)                 |
| 7. Small Hose Clamps (2)      | 15. Grommet (1)                 |
| 8. M6 Mounting Bolt (2)       | 16. Heat Shield Rubber Trim (1) |
| 9. Rubber covered clamps (2)  |                                 |



1. Remove original air filter, air box, intake tube, intake temperature sensor, and breather tube.



Remove Intake, and breather tube



Disconnect air sensor



Pull air box free from inner fender

2. Remove mounting bushings from tray. Place aluminum spacers onto tray. Remove top passenger side radiator shroud bolt.



Remove bushings



Place spacers on top of tray



Remove upper shroud bolt

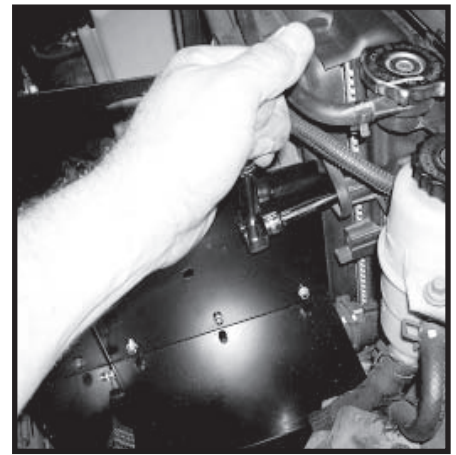
3. Set new heat shield on top of spacers and install M6 bolts and washers from below. Access can be gained by pulling inner fender liner to the side and inserting bolts and washers from inside fender well. With M6 hardware installed tighten heat shield to vehicle. Secure heat shield to radiator shroud.



Place heat shield over spacers

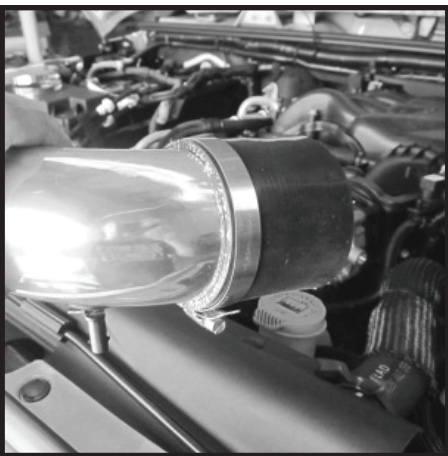


Install bolts from below

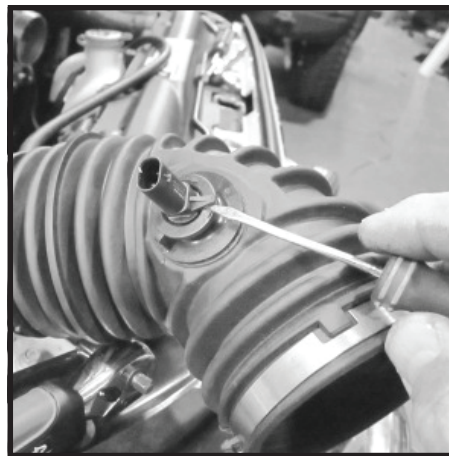


Tighten all heat shield bolts

4. Carefully remove temperature sensor from original intake pipe. Take care not to break the plastic sensor. Install rubber grommet into aluminum air tube. Install temperature sensor into grommet as shown. A small amount of grease or oil can be used to help install sensor. Clean as needed.



Install coupling to air tube

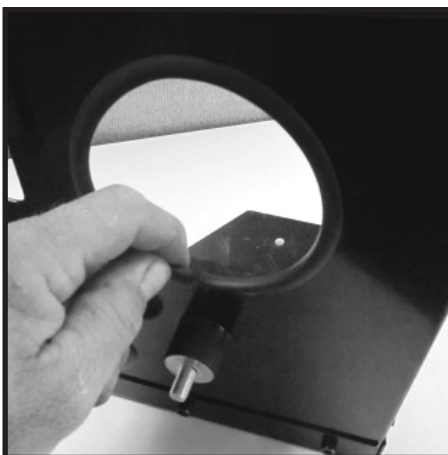


Remove temp sensor



Install sensor into new tube

5. Install rubber isolator mount to heat shield. Insert tube and coupling onto throttle body and secure with large 2.5" hose clamp ( Do not tighten at this time). Connect wire lead back to temperature sensor. Line heat shield filter opening with rubber trim.



Install isolator and trim to shield

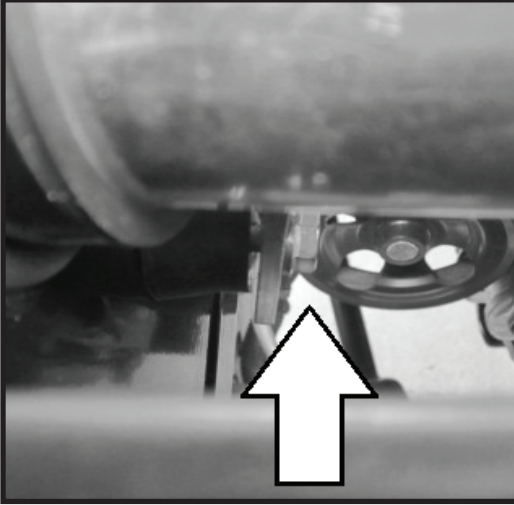


Attach tube to throttle body

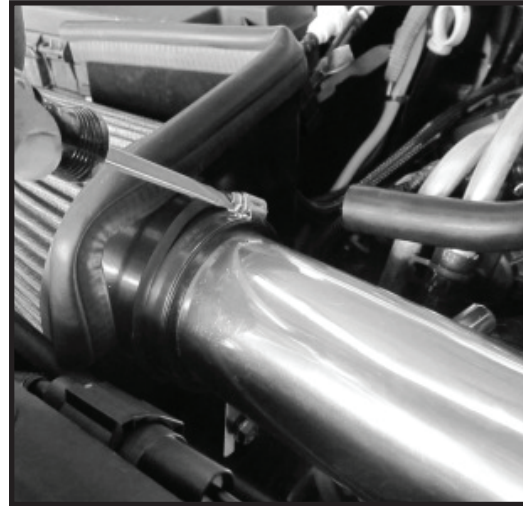


Connect sensor wire lead

6. Secure air tube to rubber isolator. Loosen all hose clamps to allow for movement of tube. Place 2.5" Hose clamp over aluminum air tube. Install air filter through heat shield opening. Secure 2.5" clamp. Note: This filter is polyester synthetic and never needs to be oiled. It can be cleaned with warm water and mild detergent dish soap.



Secure tube to heat shield

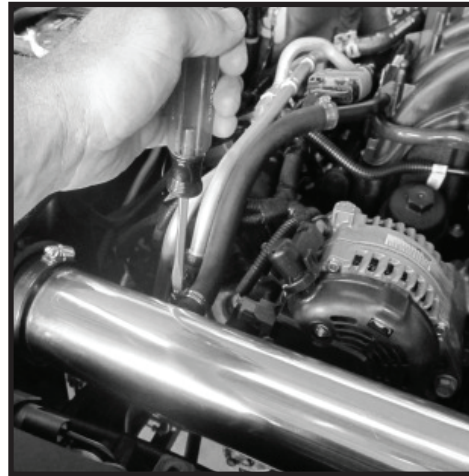


Install filter to intake tube

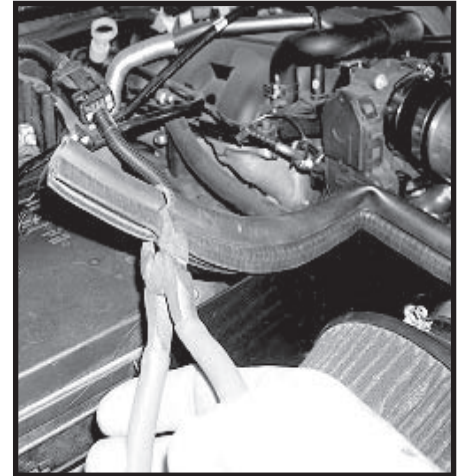
7. With tube secured to heat shield and filter installed tighten all hose clamps. reconnect breather tube back onto intake tube. Two small hose clamps have been provided to insure a tight fit to intake tube. Attach weather stripping to top of heat shield. Cut to fit.
8. Double check all hose clamps to insure there are no air leaks before driving.



Secure hose clamps

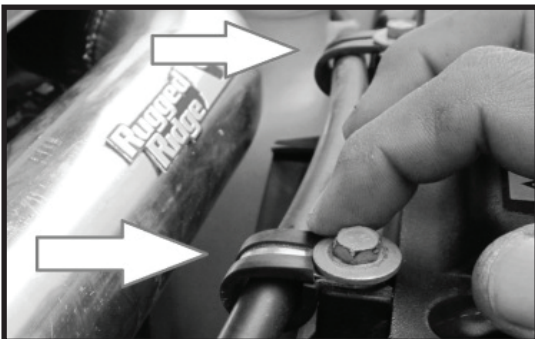


Connect breather hose with clamp



Install weather stripping

9. Install hose clamps to radiator overflow hose. Reusing bolts removed in step (#3) attach to radiator. Replace engine cover.



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