



Part number RD3015
1999-05 VW
Jetta IV, Golf IV
1.8T, 2.0L 4 cyl.

- 1- Injen cold air intake
- 1- 2.75" (70mm) Injen filter (#1010)
- 1- 2.75" (70mm) straight hose (#3043)
- 2- Power-Bands (.312) .040 (#4003)
- 1- 2020 extension bracket (#20011)
- 1- m6 vibra-mount (#6020)
- 1- m6 flange nuts (#6002)
- 2- fender washer (#6010)
- 2- m8 flange nut (#6017)
- 1- m8 x m16 hex head bolt (#6018)
- 2- medium wire ties (#8001)
- 1- instruction

Note: This installation does require removal of the front and plastic shrouds which can be difficult. This installation requires mechanical skills. A qualified mechanic is always recommended.



Hydro-shield used is X-1035





Figure 1

Disconnect the sensor harness from the mass air flow sensor.



Figure 2

The stock air intake box and air intake duct have been removed from the engine compartment.



Figure 3

The 70mm straight hose is pressed over the mass air flow sensor.



Figure 4

Power-bands are used to secure the hose in place, tighten the hose on the sensor.

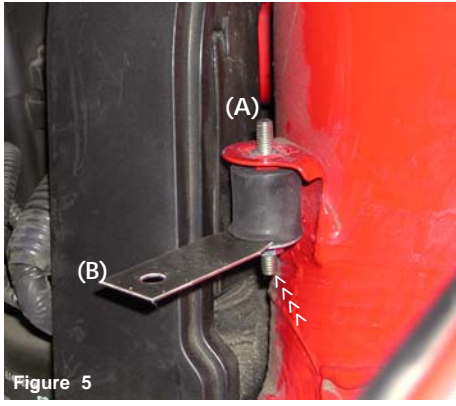


Figure 5

The vibra-mount is screwed under the strut tower mount brace (A). Mount the 2020 bracket to the bottom side of the vibra-mount (B). Use flange nut.



Figure 6

Remove the plastic plugs (A) and lift the plastic shrouds from the cross member (B).

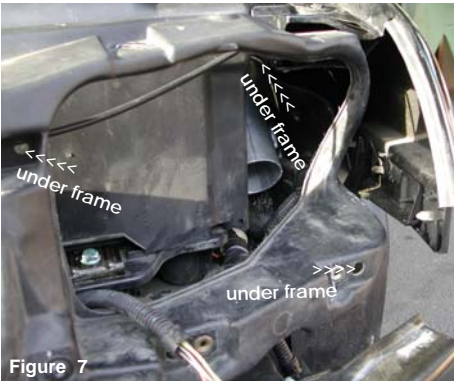


Figure 7

A screwdriver is used to remove three plastic plugs. This is required in order to remove the resonator air vent from the driver side head lamp.



Figure 8

The plastic resonator air vent is now removed from the back side of the head lamp. **Note: Steps 6 thru 9 may only apply to US applications**



Figure 9

Some models may require removal of the head lamp in order to remove the air vent. The Circles represents mounting points for the plastic plugs removed.



Figure 10

Use the zip tie to secure the harness away from the intake.



Figure 11

The intake is lower into the engine compartment and lined up to the hose on the mass air flow sensor. Press the top section of the intake into the 2 3/4" hose located on the mass air sensor. position the intake but do not tighten the power-band at this point.



Figure 12

Positioning the intake: As the intake is lined up to the mass air flow sensor and inserted into the head lamp area, the intake bracket is lined up to the fender wall stud.



Figure 13

The intake is pressed into the mass air sensor hose as shown above.

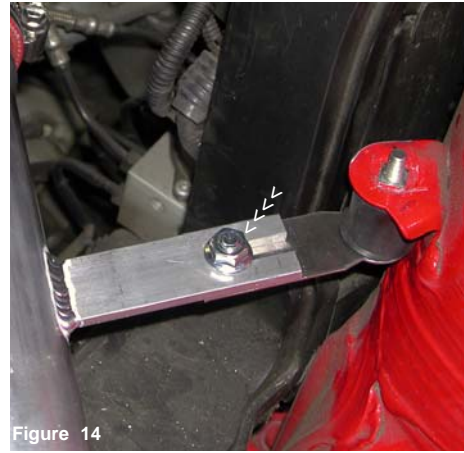


Figure 14

The intake bracket is lined up to the 2020 bracket and the m8 flange nut and bolt are used to retain the intake in place.

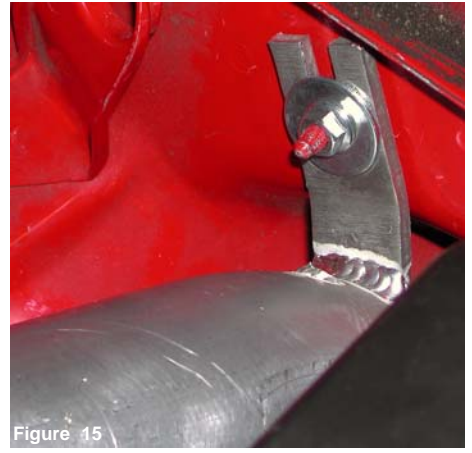


Figure 15

The second intake bracket is lined up to the fender well threaded stud. The m6 flange nut and fender washer are used to secure the intake to the fender well.



Figure 16

The air pump pressure fit clip is pressed over the machined air pump adapter until it snaps in.



Figure 17

All mounting points and air pump flex-line has been installed (Top picture). The intake and filter is completely installed (Bottom picture).

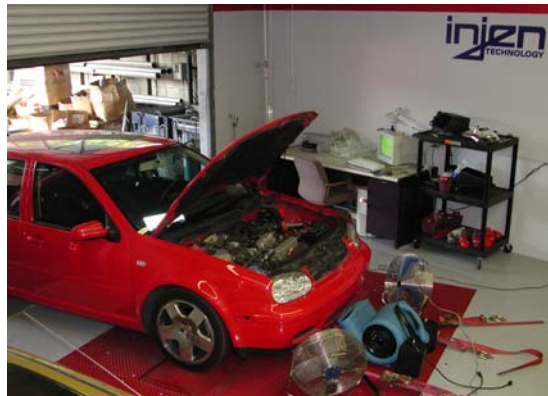


Figure 18

The intake is pressed over the filter neck. Once the intake is butted up to the built in filter stops, continue to tighten the filter clamp.



Figure 19



Injen Technology Research & Development team seen here testing its final design on Injen's own in-ground Dyno-jet.

Injen proto-typed various types of bends and tube size until peak power was achieved.

Dyno-graph shows a 9.0 Hp gain at high end. Torque shows 9.6 ft./lbs at low to mid range.

Note: Disconnect the negative battery terminal before starting this installation.

1. Remove the air intake box and air intake duct that leads to the round end of the mass air sensor. You also need to remove the front bumper for this installation. Remove the resonator box in the bumper and the plastic frame around the head lamp as illustrated in figures 5 and 6. The plastic retaining frame will need to be taken out in order to make room for the cold air intake. First start by taking the two plastic shrouds out behind the battery. (See figs. 7-9)
Now remove the three plastic plugs that hold the frame in place illustrated in figure 5 then remove the retainer. (See fig. 6)
2. Slip the 2 3/4" straight hose over the air mass sensor and use two clamps. Tighten the clamp on the air mass sensor at this point. (See figs. 3-4)
3. Screw the vibra-mount into the bracket that is welded to the fender wall as illustrated in figure 5. Take the 2020 bracket and place it under the vibra-mount and use the m6 nut and fender washer to hold the bracket in place. (See fig. 5)
4. In some cars a small section or corner of the head light cavity will need to be cut out with a hack saw or utility knife in order to make more room for the intake. This will be required in some cases, only at the filter point of entrance. (See figs. 10 and 18)
If your car has a wire loom harness in the head light cavity use the wire tie to pull the harness aside away from the hole where the intake will be inserted. (See fig. 10)
5. Position the intake by inserting the filter end into the opening by the head light as seen in figure 12. Once the filter end has been positioned and the top swaged end pressed into the 2 3/4" hose, the band on the air mass sensor is tightened. (See fig. 13)
6. Place the bracket on the intake over the stock m6 stud on the fender wall and use the m6 nut and fender washer to fasten the bracket to the fender wall. (See figs. 12 and 15)
Align the other bracket to the 2020 extension on the vibra-mount and join the two brackets with the m8 nut and bolt. (See fig. 14)
7. **For cars equipped with an air pump**-Take the stock air line connected to the air pump and press round clip over the CNC machined adapter on the extended 1 1/4" port on the intake. Press until you here the clip snap at which point you should have a good clean seal. (See fig. 16) If the car is not equipped with an air pump make sure to cap-off the end with a plastic cap and electrical tap. (See Fig. 16)
8. Take the Injen filter and slip it over the end of the intake located in the bumper and tighten the filter neck clamp. (See fig. 18)
9. Align the entire intake assembly for best fit. Once proper clearance has been made continue to tighten all nuts, bolts and clamps until the cold air intake is securely fastened. (See figs. 17 and 19)
10. Replace the front bumper, head lights and two shrouds. Reconnect the signal light harness and negative battery terminal. Allow 10-15 minutes with the engine running in order for the ECU to adjust to the new volume of air.
11. Remove all tools and rags from the engine compartment before starting the engine.
12. Congratulations! You have just completed the installation!