



Part number RD6070  
03-05 Mazda 6  
3.0L, V6

- 1- Injen Intake (CA)
- 1- **3 1/2" Injen filter (#1015)**
- 1- 2.75"x3" Molded 45 degree elbow (#3013)
- 2- Power-Bands(.048)(.362) (#4004)
- 1- 7" 8mm vacuum hose (#3091)
- 1- m6 vibra-mount (#6020)
- 1- m6 flange nut (#6002)
- 1- fender washer (#6010)
- 1- Wire tie (#8001)
- 1- **3 1/2" Heat shield (#11024)**
- 3- composite HS brackets (#4010)
- 3- 5/16" flange bolts (#6019)
- 1- instruction



Figure 1



Figure 2

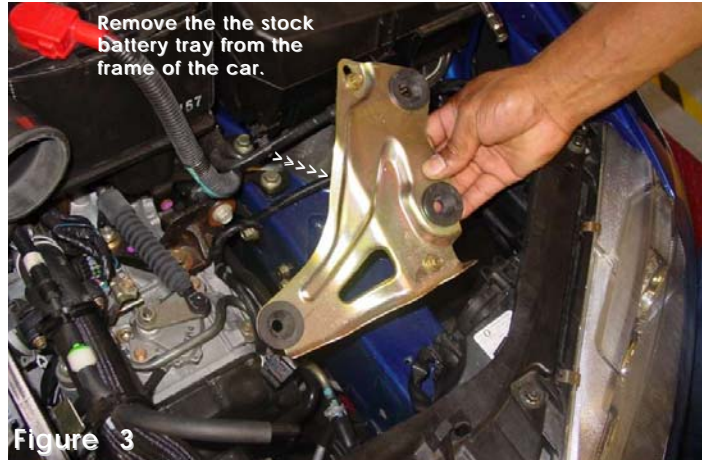


Figure 3



Figure 4

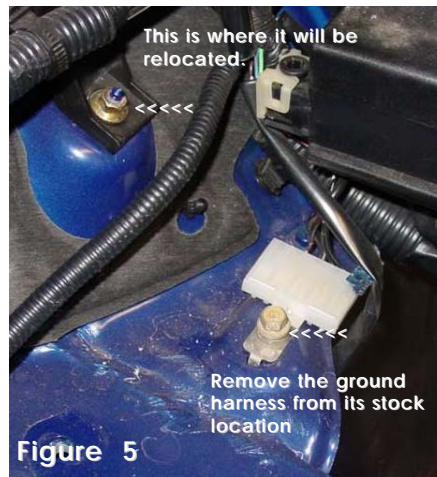


Figure 5

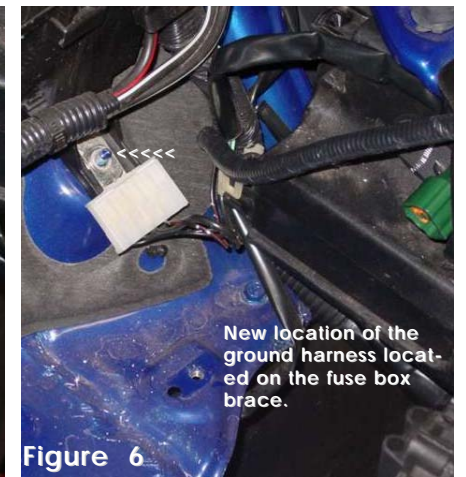


Figure 6

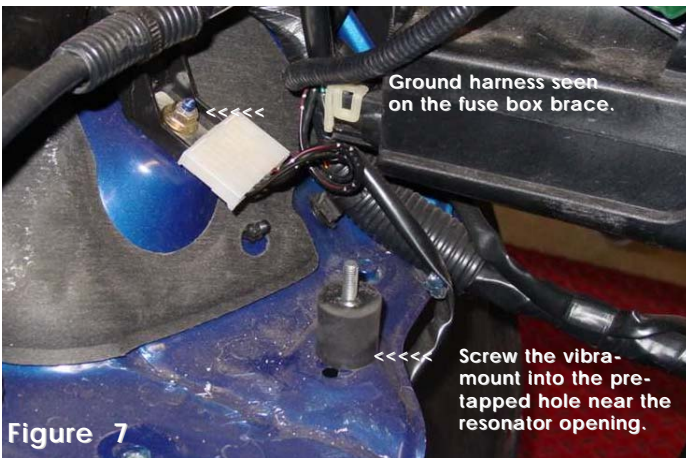


Figure 7



Figure 8

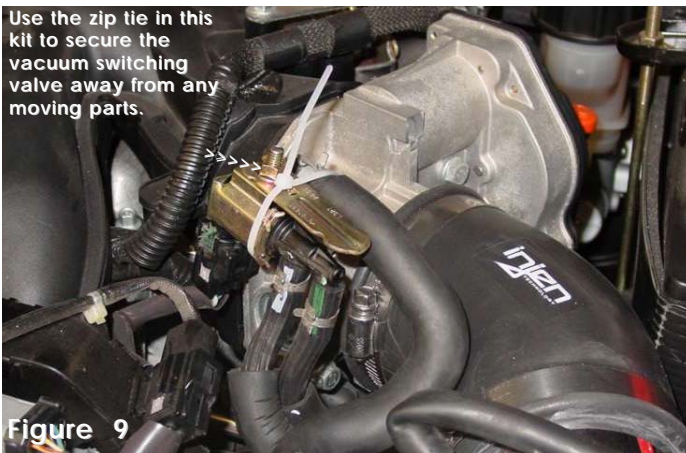
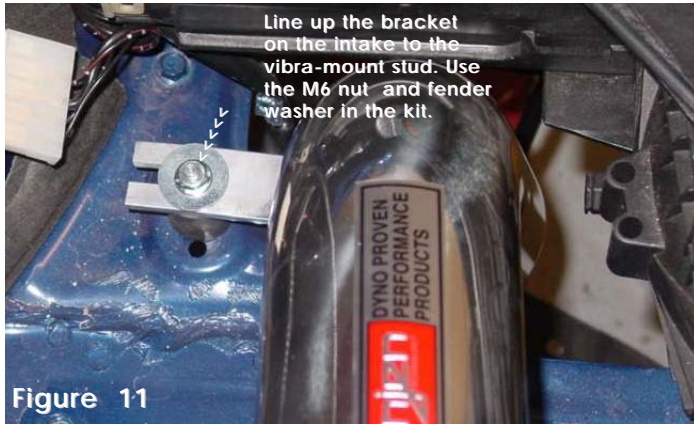


Figure 9

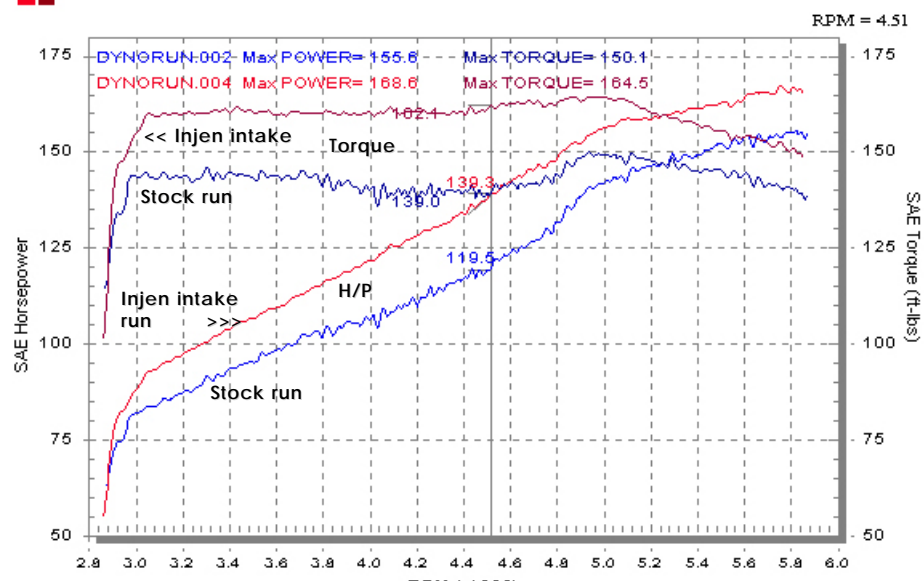


Figure 10



DYHORUH.002 BASELINE-2 RO 0/20/03 3:45:40 PM  
 DYHORUH.004 RD6070-2 RO 0/20/03 3:56:22 PM

<b>Max power gain</b>		
H/P		
Injen intake	168.6	
stock run	155.6	13.0
<b>Torque</b>		
Injen intake	164.5	
Stock run	150.1	14.4
<b>Peak power gain</b>		
H/P		
Injen intake	139.3	
stock run	119.5	19.8
<b>Torque</b>		
Injen intake	162.1	
Stock run	139.0	23.1



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

- 1- Before starting this installation you need to remove the following: The stock air intake box, stock air intake duct leading to the throttle body and air box brace. (See fig. 3) When the air intake box is removed the green vacuum switching valve will remain intact with the air box. (See figs. 2) The removal of these items will make clearance for the cold air intake tract that leads into the resonator opening. A portion of the driver side bumper will be detached for easy removal of the resonator box. Remove half of the screws and clips in order to pull the driver side bumper out. Pull the bumper out just enough to remove the air intake box resonator. (See fig. 4) You will also have to remove the air temperature sensor from the stock air intake box.
- 2- Remove the ground harness from the stock location in order to make clearance for the cold air intake. (See fig. 5) Remove the m6 nut from the base of the fuse box brace and set the ground harness over the stud, use the same m6 nut to secure the ground harness in place. (See fig. 6)
- 3- Screw the vibra-mount into the pre-tapped hole near the resonator opening. (See fig. 7)
- 4- Press the 2 3/4" end of the 45 degree elbow over the throttle body and use two clamps. Semi-tighten the clamp on the throttle body at this point only. (See fig. 8)
- 5- Use the zip tie supplied in this kit to secure the vacuum switching valve in one place, this will also avoid the **VSV** from coming into contact with any moving objects. (See fig. 9)
- 6- Press the top end of the intake into the 45 degree elbow on the throttle body and semi-tighten the clamp on the elbow at this point. (See fig. 10)
- 7- Line up the bracket on the intake to the vibra-mount stud and use the m6 nut and fender washer to secure the intake in place. (See fig. 11)
- 8- Press the stock one way check valve over the 3/16 nipple(port) on the intake and press the stock breather hose over the 3/8" nipple(port) . (See figs. 12 and 13)
- 9- Press the air temperature control sensor into the machined adapter on the intake and use the stock self-tapping screws. (See fig. 14)
- 10- **Assembling the filter to the wind deflecting shield:** Line up the slotted "L" brackets to the press nuts on the wind deflector. Screw the 5/16" flange nuts into the press nuts and semi-tighten the "L" brackets to the wind deflecting shield. Remove the clamp from the filter and set the wind deflecting shield over the filter. Slip the clamp over the hooked ends of the "L" brackets and filter neck and semi-tighten the clamp on the filter.(See fig. 15)
- 11- Press the assembled filter and wind deflecting shield over the end of the cold air intake and tighten the clamp on the filter (See fig. 16)
- 12- Align the entire intake for best fit. Once proper clearance has been made through out the length of the intake continue to tighten all nuts, bolts and clamps. (See fig. 1)
- 13- Remove all tools and rags from the engine compartment. Check all vacuum lines and connections for any possible leaks, reconnect the negative battery terminal and put the bumper back to its stock position.
- 14- **Congratulations!** You have just completed the installation.