Part number RD1830

2002-04 Mitsubishi Lancer 2.0

manual transmission

1-	2 pc Injen intake system	(CA)
1-	**3.00" Injen filter**	**(#1014)**
1-	3" Composite adapter	(#14034)
1-	2 3/4" straight hose	(#3043)
1-	3" straight hose	(#3044)
1-	3 1/4" straight hose	(#3045)
2-	Power-Bands(.040)	**(.312)** (#4003)
2-	Power-Bands(.048)	**(.362)** (#4004)
2-	Power-Bands(.056)	**(.412)** (#4005)
1-	m6 vibra-mount	(#6020)
1-	m6 flange nut	(#6002)
1-	fender washer	(#6010)
4-	m6 x m25 bolts	(#6006)
1-	instruction	

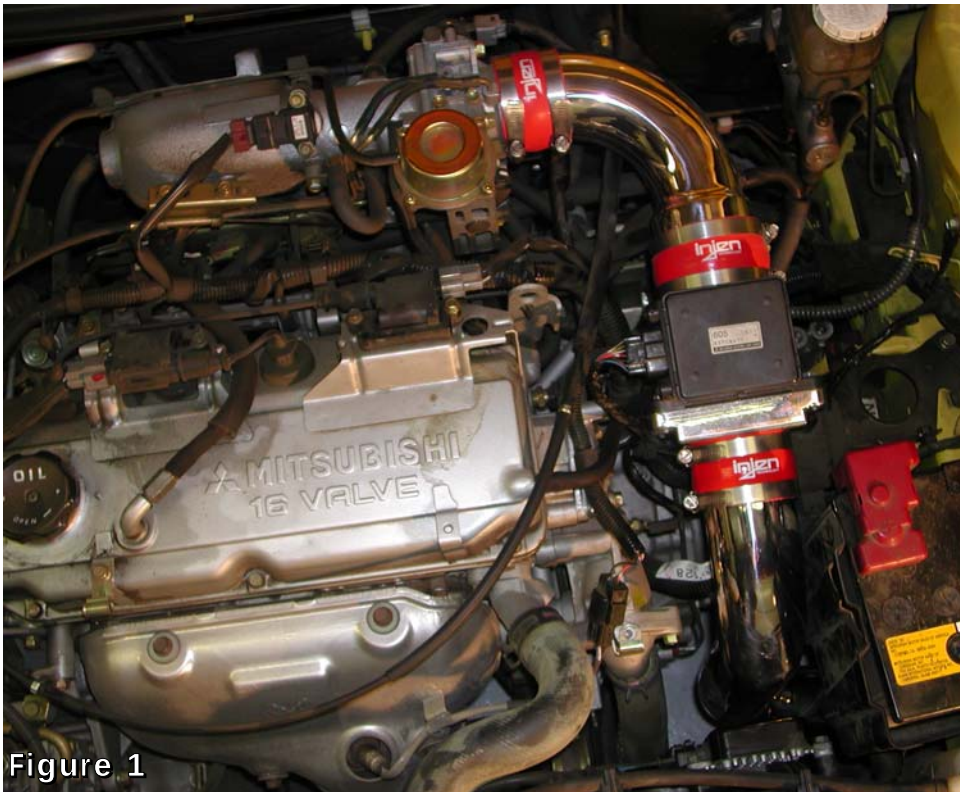
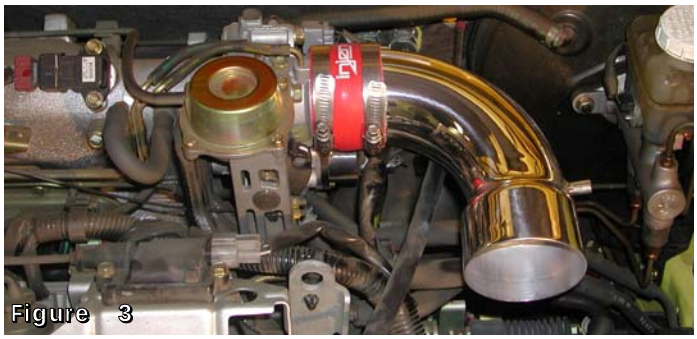


Figure 1

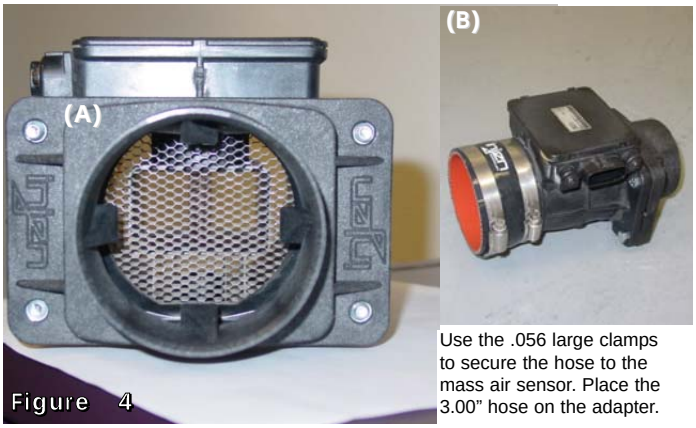
Now available, Hydro Shield by Injen
Part Number X-1033

Hydro Shield Sold Separately

Press the 2 3/4" hose over the end of the throttle body and use two clamps on the hose. Tighten only the clamp on the throttle body at this point.

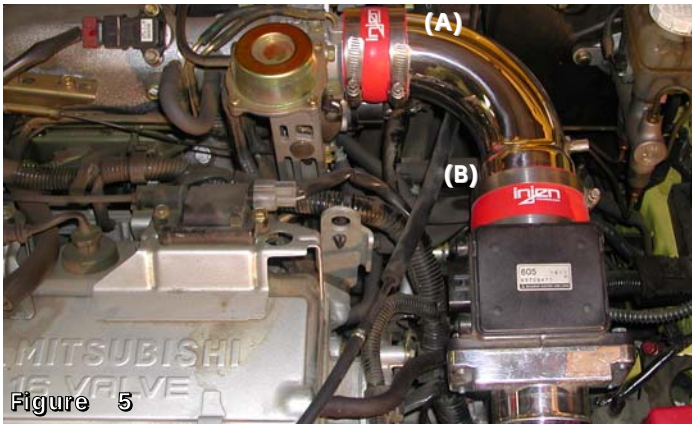


The primary intake is pressed into the 2 3/4" hose on the throttle body and secured with a clamp.



Use the .056 large clamps to secure the hose to the mass air sensor. Place the 3.00" hose on the adapter.

Butt the composite fin adapter to the flat side of the mass air flow sensor and screw the four m6 x m25 bolts into the adapter. The composite adapter has four m6 pre-tapped locating nuts for the bolts. Slip the 3 1/4" straight hose over the round end of the sensor and use two large clamps to hold the hose in place (B).

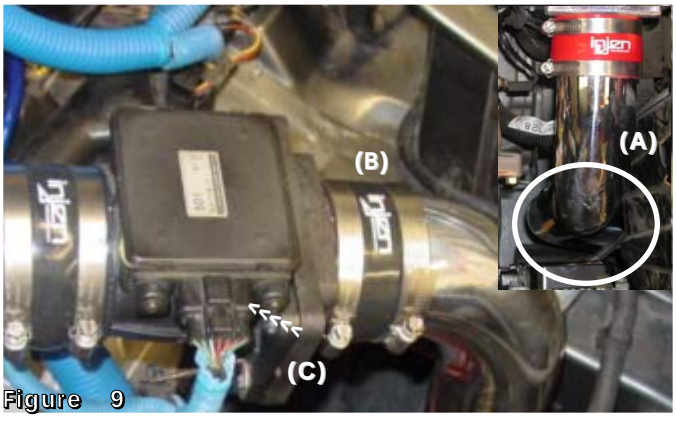


The 2 3/4" end on the primary intake is pressed into the hose located on the throttle body (A). Press the assembled mass air flow sensor over the end of the primary intake. Position the assembled intake for best fit and semi-tighten the clamp on the intake side(B)

After the front bumper has been removed a 4 1/2" x 5" hole will be cut in the plastic splash guard leading into the engine bay. This will allow easy access when the secondary intake is ready to be installed.

Screw the vibra-mount into the pre-tapped hole located on the side of the car frame.

The assembled air flow sensor is seen again over the end of the primary intake(A), position and semi-tighten the clamp. Press the stock crankcase vacuum line over the 3/8" port on the intake (B).



The secondary intake is lowered into the opening made earlier and into the bumper area (A). The top end is pressed into the 3.00"" hose on the composite adapter, Semi-tighten the clamp at this point (B). Take the harness clip and press it into the sensor until you hear a sharp snap (C).

Line up the bracket on the end of the secondary intake to the vibra-mount stud. Use the m6 flange nut and bolt to secure the intake to the vibra-mount.

Press the filter on the end of the secondary intake and tighten the clamp on the filter neck. The splash guard in this picture is sold separately as an added accessory.

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

1. Remove the air intake box and air intake duct leading to the throttle body. Remove the mass air sensor from the box to be used later in step 5. For this installation we recommend you remove the front bumper to make this installation easier. You can also remove the driver side wheel and remove clips and screws holding the wheel well splash guard.
2. Place the 2 3/4" silicone hose over the throttle body and use two clamps, tighten the clamp on the throttle body at this point. (See fig. 2)
3. Take the primary intake with the swaged end and press the 2 3/4" side into the hose on the T/B. (See fig. 3)

4. Press the stock vacuum hose coming from the valve cover port over the 3/8" nipple on the intake. (See fig. 6)

5. Take the mass air flow sensor and composite fin adapter and butt them together, use the four m6 x m25 bolts to fasten them together. (See fig. 4A) Slip the 3.00" straight hose over the composite adapter and use two clamps, tighten the clamp on the adapter. (See fig. 9B) Take the 3 1/4" straight hose and slip it over the round end of the mass air sensor use two clamps and tighten the clamp on the mass air flow sensor at this point. (See fig. 4B)

6. Take the assembled mass air flow sensor and press the 3 1/4" hose over the swaged end of the primary intake and semi-tighten the clamp to hold the intake in place. (See fig. 5)
   Remember to reconnect the harness clip to the mass air flow sensor. (See fig. 9C)

7. The next step is to make clearance for the secondary intake. Take a razor knife or utility knife and cut a 4 1/2" x 5" hole in the wall of the splash guard this will make clearance for the secondary intake. (See fig. 8)
8. Screw the vibra-mount in place to the side of the car frame this is where the bracket will be attached to. (See fig. 7)

9. Take the secondary intake and insert the filter end into the cut out made in the splash guard. Press the top end of the intake into the 3.00" straight hose on the composite flange then semi-tighten the clamp. (See fig. 9)
   The bracket on the intake is attached to the vibra-mount stud and the m6 nut and fender washer secures the bracket in place. (See fig 10)
10. Take the 3.00" Injen filter and slip it over the end of the secondary intake in the bumper section. Tighten the clamp on the filter at this point. (See fig. 11)
    If a splash guard is being installed assemble it together before you place it on the secondary intake. (See fig. 11)

11. Align the entire cold air intake system for best fit. Make sure there is plenty of clearance throughout the length of the intake. When proper clearance has been make continue to tighten all nuts, bolts and clamps. (See fig. 1)
12. Remove all tools and rags from the engine compartment, reconnect the negative battery terminal. Allow 10 to 15 minutes for the computer to reset or adjust itself for the extra air taken into the throttle body. Continue to reinstall the front bumper back to its stock location.
13. Congratulations! You have just completed the installation.