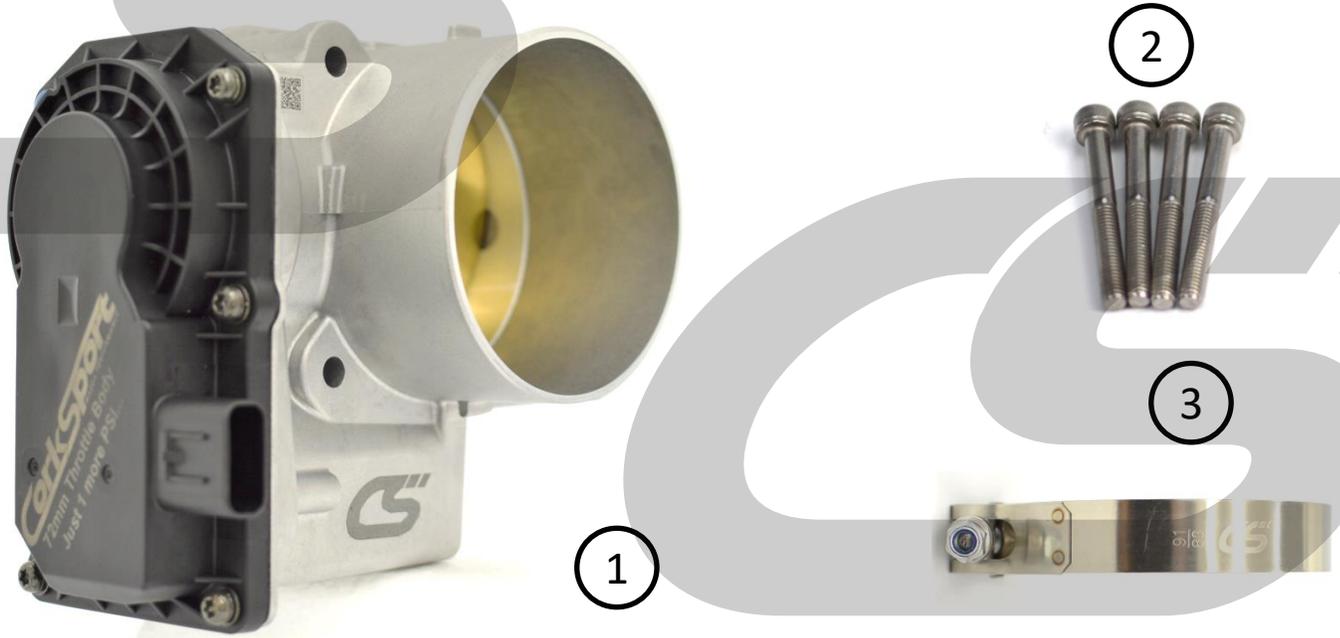


CorkSport DISI MZR 72mm Throttle Body

2007 – 2013 Mazdaspeed 3, 2006 – 2007 Mazdaspeed 6, &
2007-2012 Mazda CX-7



This package should contain:

- ❑ 1. One (1) CorkSport DISI MZR 72mm Throttle Body
- ❑ 2. Four (4) M6x1.0x55mm Stainless Socket Cap Screws
- ❑ 3. One (1) 83-91mm Stainless Steel T-Bolt Clamp
- ❑ 4. One (1) 3" Straight Silicone Coupler and One (1) 3" to 2.5" Straight Silicone Coupler
OR One (1) 3" to 2.75" Silicone Elbow
OR One (1) 3" to 2.75" Straight Silicone Coupler

CorkSport DISI MZR 72mm Throttle Body

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Thank you for purchasing the CorkSport DISI MZR 72mm Throttle Body. The CorkSport Throttle Body takes performance and OE fitment and combines them to create a combination that performs and fits without compromise. If a higher flow capacity throttle body is what you desire, there is no substitute for the CorkSport Throttle Body.

Please let us know what you think by submitting a review at:
<https://corksport.com/performance-throttle-body-for-2006-2013-mazdaspeed.html>

Pre-Installation Notes:



Make sure your vehicle is completely cooled down prior to starting installation. If you are going to work on your car within an hour or two of having driven it, use a fan to cool off the car.



This throttle body does not reuse the OE throttle body coolant lines. This does not cause any adverse effects, however, you will need to reroute these lines upon installation of the CS TB.



These instructions were written for reference only and the use of a factory service manual is recommended. Please read these instructions thoroughly prior to starting installation.



These instructions were made using a 2009 Mazdaspeed 3. Installation for earlier Mazdaspeed 3, Mazdaspeed 6, and Mazda CX-7 will be similar.

Materials and Time:



General Info.

Part #: GEN-6-497-10

Time Est: 2-3 hours

Wrench Rating: 3/5



Tooling List

Flat Head Screwdriver

Phillips Head Screwdriver

Needle Nose Pliers

8mm Wrench

10mm Wrench

12mm Wrench

Small Vise-Grips or C-Clamps

Tooling List

8mm Shallow Socket

8mm Deep Socket

10mm Deep Socket

12mm Deep Socket

4" Extension

3/8" Drive Ratchet

5mm Allen or 5mm Hex Socket

Torque Wrench

Parts List

One (1) CorkSport DISI MZR 72mm Throttle Body

Four (4) M6x1.0x55mm Stainless Socket Cap Screws

One (1) 83-91mm T-Bolt Clamp

One (1) 3" Straight Silicone Coupler and One (1) 3" to 2.5" Straight Silicone Coupler

OR One (1) 3" to 2.75" Silicone Elbow

OR One (1) 3" to 2.75" Straight Silicone Coupler



Need Help With Your Installation?

Call (360) 260-CORK

Order of Operations & Table of Contents

 Engine Disassembly	
Section 1: Intercooler and Intake Removal	Pg. 2-3
Section 2: Throttle Body Removal	Pg. 4
 Throttle Body Installation	
Section 3: OE Coolant Line Reroute	Pg. 5
Section 4: CorkSport Throttle Body Installation	Pg. 6
 Engine Assembly	
Section 5: Engine Reassembly	Pg. 7

Silicone Options:

Depending on the silicone option you purchased, you may have one of the below options. Please follow the instruction for your kit:

- **Front Mount Intercooler Kit:**
 - Includes two silicone couplers: 3" Straight and 2.5" to 3" Adapter. Both silicones are included to simplify the ordering process for you. Please use the appropriate silicone coupler for your FMIC setup. The 3" side will install onto the CorkSport Throttle Body.
- **Top Mount Intercooler Kit with 90 Degree Boost Elbow:**
 - Includes one silicone coupler: 3" to 2.75" 90 Degree Elbow. This is the most common coupler used with the TMIC setup and is the OE setup on most Mazdaspeed 3 and CX-7s. Some Mazdaspeed 6 may have this setup, but it is not the OE setup. The 3" side will install onto the CorkSport Throttle Body.
- **Top Mount Intercooler Kit with Reducer Coupler:**
 - Includes one silicone coupler: 3" to 2.75" Reducer Adapter. This is the OE setup for TMIC equipped Mazdaspeed 6. The 3" side will install onto the CorkSport Throttle Body.

Detailed Instructions



These instructions were made using a 2009 Mazdaspeed 3. Installation for earlier Mazdaspeed 3 and Mazdaspeed 6 will be similar.

1. Intercooler and Intake Removal

- a) Remove the negative battery terminal and place the plastic cover back over the battery (green arrow in Figure 1a).



Figure 1a

- b) Remove the two 10mm bolts fastening intercooler shroud to the intercooler. Push the shroud towards the firewall to unhook it and remove it from the vehicle (red circles in Figure 1b).

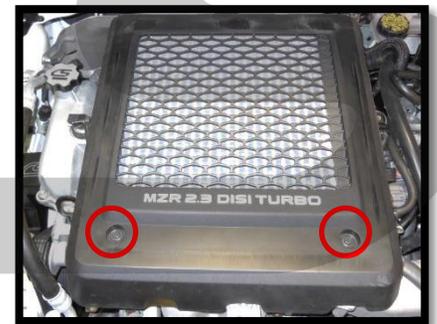


Figure 1b



We recommend using plastic Ziploc bags and a sharpie to label all bolts and parts throughout the install.

- c) Remove the clamps for the throttle body and turbo boost tubes from the intercooler. Use a 10mm socket to loosen the clamps (green circles in Figure 1c).

- d) Detach the bypass valve (BPV) from the intake. Remove the vacuum signal hose (red arrow), and the large BPV to intake hose by compressing the clamp with pliers (green arrow in Figure 1c). Leave the bypass valve attached to the intercooler pipe.

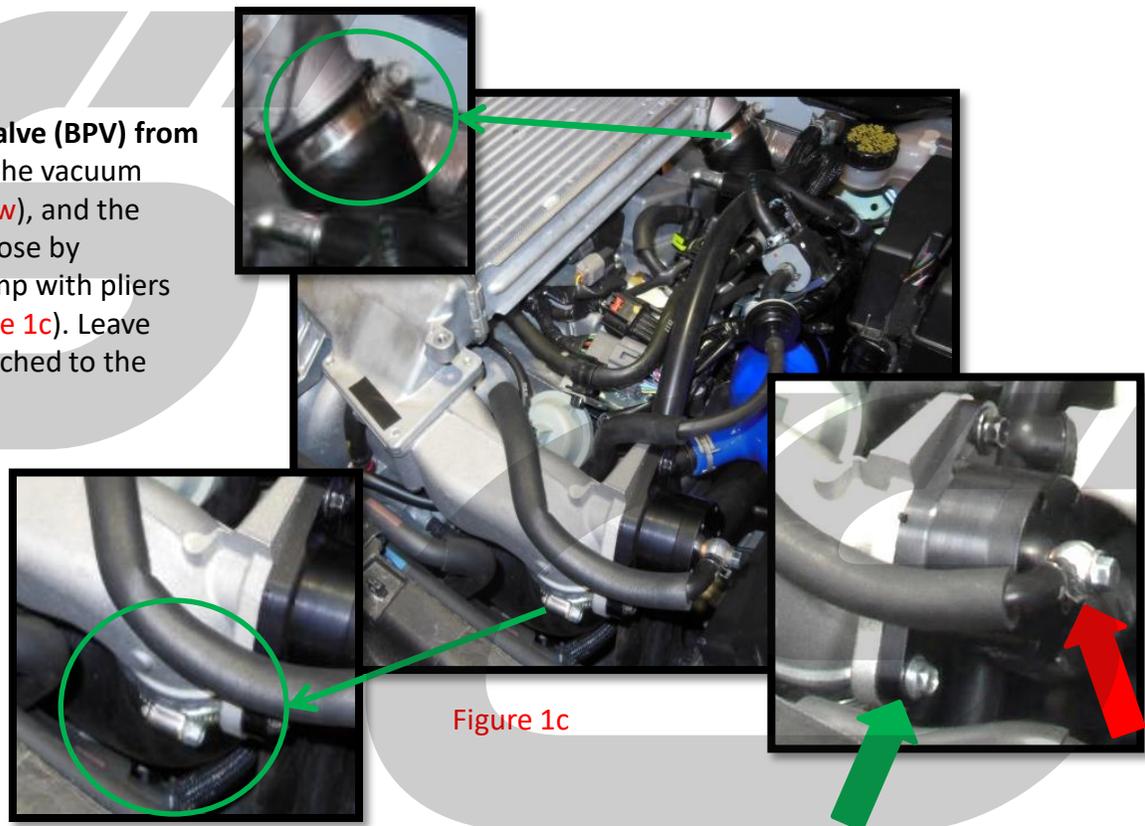


Figure 1c

1. Intercooler and Intake Removal (continued)

- e) Remove the three (3) 12mm nuts fastening the intercooler to the top of the engine and remove the intercooler from the vehicle by pulling upward (Figure 1d).



Figure 1d

- f) Remove the intake. Loosen the hose clamp connecting the intake elbow to the turbo inlet pipe with a 10mm socket wrench (red circle in Figure 1e).

- g) Remove the breather pipe from the valve cover (red arrow in Figure 1e) and unplug the MAF sensor (green arrow in Figure 1e).

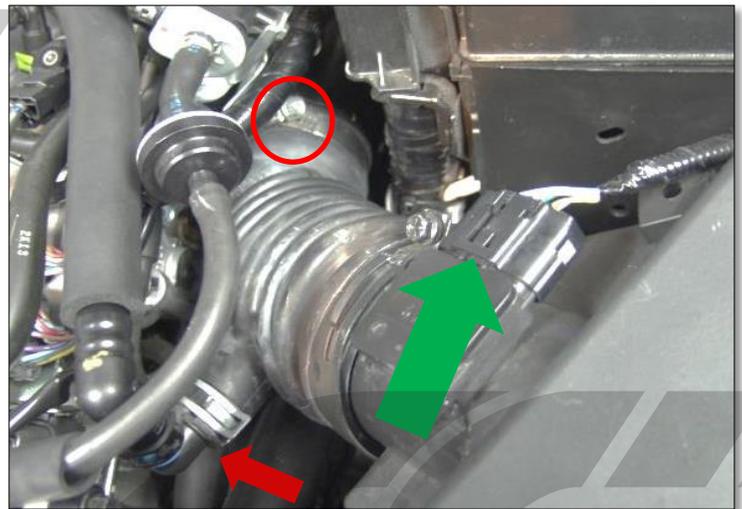


Figure 1e

- h) Remove intake from engine bay.

2. Throttle Body Removal

- a) **Unclamp the throttle body coolant line and slide the clamps back.** Use the needle nose pliers to grab and loosen the clamps. **Green circles** in **Figure 2a**



Do not remove the hoses off the ports until the vise grips or c-clamps have been installed in the next step. Failure to do so will led to messy coolant everywhere!

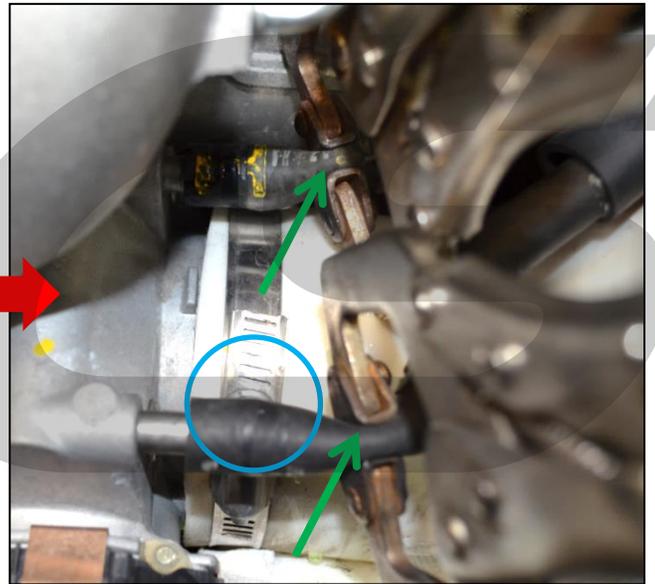
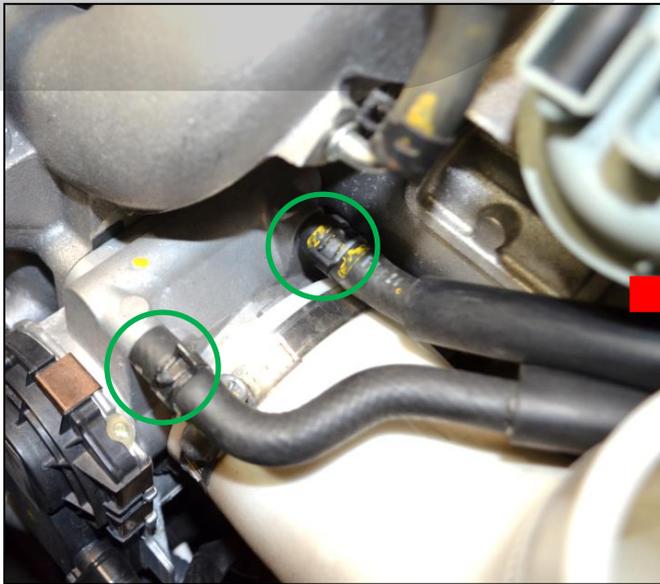


Figure 2a

- b) **Clamp the coolant hoses** with the vise-grips or c-clamps to stop the coolant flow. Excessive clamping force is not required. Clamping location shown with the **green arrows** in **Figure 2a**.
- b) **Remove the throttle body inlet hose** using a 10mm socket wrench. Shown with the **blue circle** in **Figure 2a**.
- c) **Unplug the throttle body wiring** from the connector shown with **green circle** in **Figure 2b**.
- d) **Remove the throttle body** using an 8mm socket wrench and extension. The four bolts are shown with **red circles** in **Figure 3b**. Peel the gasket off the intake manifold. Gasket tab shown with **blue arrow** in **Figure 2b**.

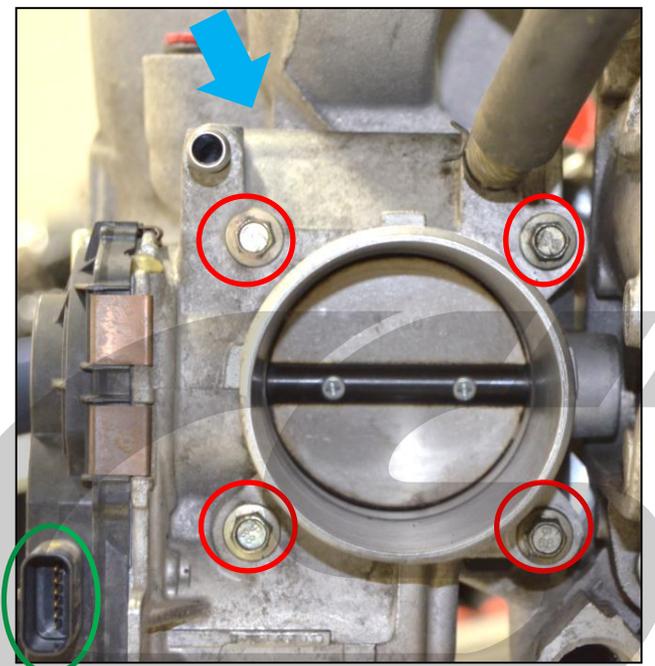


Figure 2b

3. OE Coolant Line Reroute

- a) Trace the coolant lines to where they connect to the engine.
1. One line will connect to a metal port on the right side of the engine. (See Figure 3a)
 2. The other line will connect to a different coolant line located below where the throttle body installs (See Figure 3b).

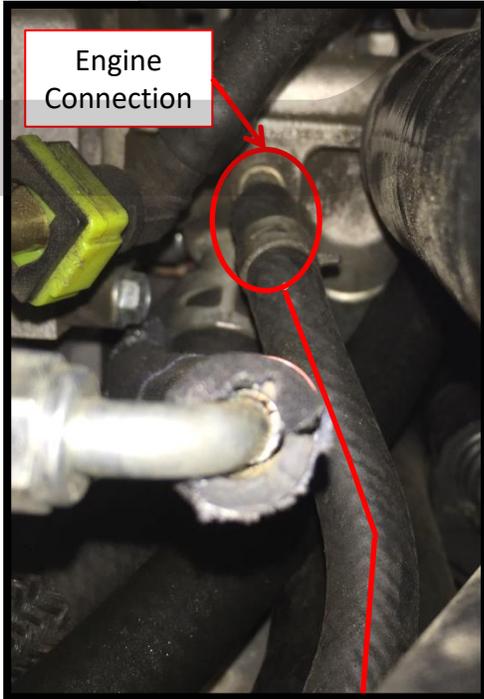


Figure 3a

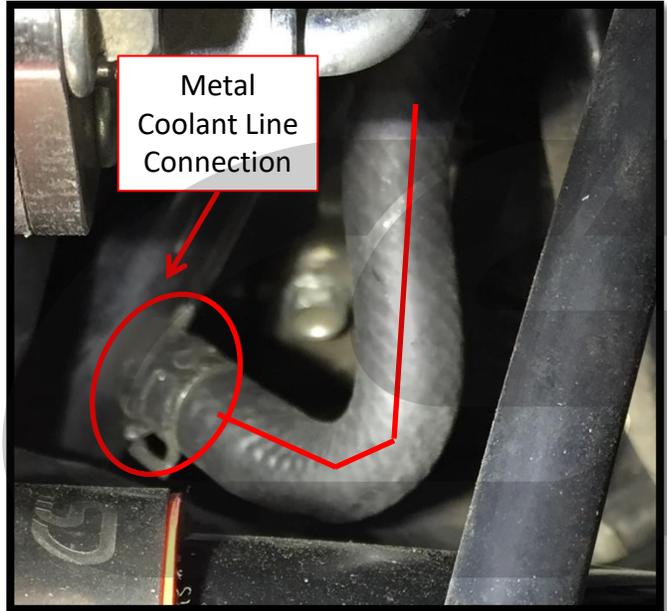


Figure 3b

- b) Using vice grips or c-clamps, pinch the end of the line shown in Figure 3b.
- c) Undo the clamp that keeps the hose attached to the metal coolant line. Red circle in Figure 3b.
- d) Quickly disconnect the rubber hose from the metal coolant line (Figure 3b), and attach the other rubber hose to this port. Figure 3c shows what the line should look like after rerouting.



You will likely spill some coolant during this step. Top off your coolant if needed.

- e) Reposition the clamp to ensure it holds the rubber hose.
- f) Remove the vice-grips or c-clamps from each line.

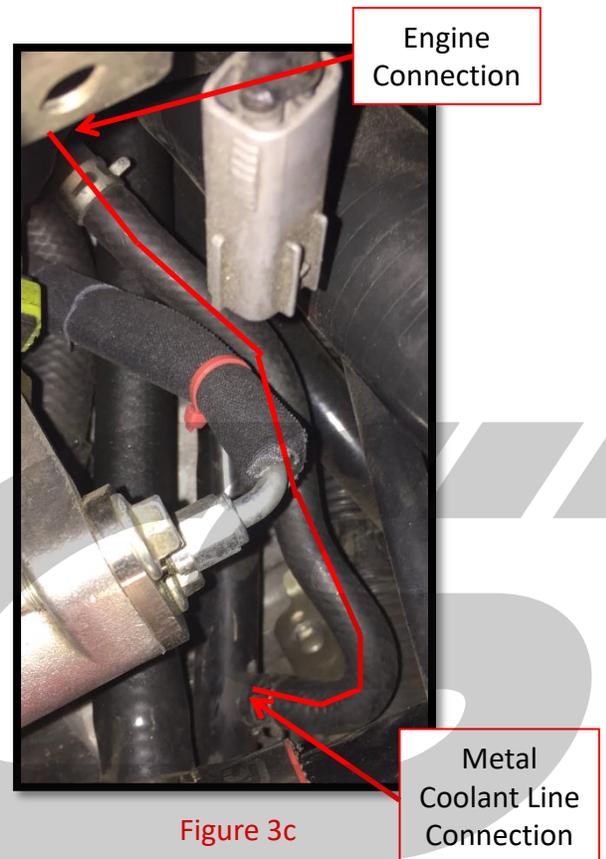


Figure 3c

4. CorkSport Throttle Body Installation

- a) **Inspect the O-ring to ensure that it is fully seated.** The O-ring should very slightly protrude from mounting face. See **red arrow** in **Figure 4a**.



Due to O-ring, you do **not** reuse the OE throttle body gasket.



Figure 4a

- b) **Install CorkSport Throttle Body using supplied four (4) M6 Socket Cap Screws.** Tighten to **10-14 ft-lbs.** using a 5mm Allen socket.

- c) **Attach the throttle body inlet silicone using supplied T-bolt clamp.** Ensure silicone is fully seated on tabs of CS throttle body. Tabs shown with **red circles** in **Figure 4b**.

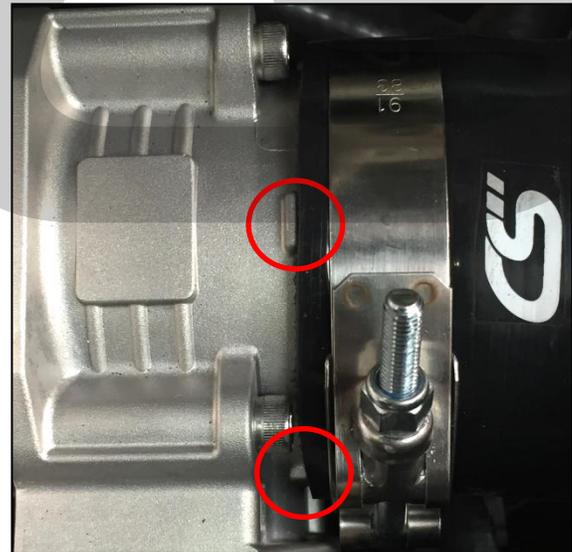


Figure 4b



Only two tabs can be seen in **Figure 4b**. There are 4 tabs around the edge of the TB.

- d) **Plug in the throttle body wiring** to the connector shown with **red arrow** in **Figure 4c**.



Figure 4c

5. Engine Reassembly

- a) Reinstall any additionally removed components following OE procedures and torque specs.
- b) Follow Section 1 in reverse to reinstall components removed in these instructions.
- c) Boost leak check the system to verify there are no leaks from the throttle body or other components.



This completes the installation of your CorkSport 72mm Throttle Body. Perform a boost leak test and inspect for leaks and any loose fasteners before starting the vehicle!
Enjoy!

What's Next:

CorkSport VTA BPV

The CorkSport Binary VTA BPV provides features and performance to suit stock cars and on up to big turbo high power setups. The CorkSport Binary VTA BPV holds 50psi, responds in 50 milli-sec, and won't stall your car every shift. All this comes in a compact design with nozzle adjustability to allow for easy installation in even the most cramped engine bay or with custom piping.



CorkSport DISI MZR Fuel Injector Seals

CorkSport DISI MZR Fuel Injector Seals for the 2007-2013 Mazdaspeed 3 & 2006-2007 Mazdaspeed 6. Constructed from beryllium copper; the CorkSport fuel injector seals will lock in every PSI of boost so that every bit of your hard earned horsepower keeps you moving forward.



CORKSPORT Mazdaspeed 3 High Pressure Fuel Line

This fuel line is designed to replace the OEM fuel line which are prone to failure at the brazed connection at the rail. The custom machined fittings designed to work with the OEM rail and fuel pump outlet for a bolt in design. The lines are rated to 3000psi and have been burst tested to 16000psi.

