

CMD

COMBUSTION MANAGEMENT DEVICE

2004-2006

Subaru Impreza WRX STi 2.5L

Dynojet CMD-1011



Dynojet

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2004-2006 Subaru Impreza WRX STi 2.5L - CMD-1011 - Installation Instructions

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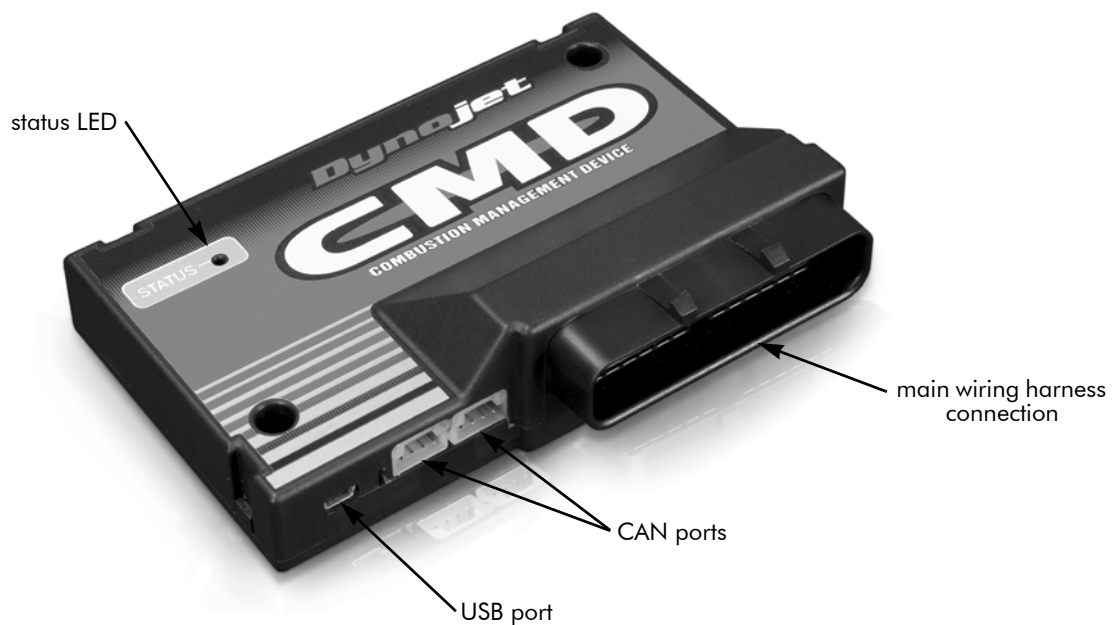
PARTS LIST

quantity	description
1	CMD Module
1	Dynojet Master Control Center Software
1	Instruction Manual
1	Registration Card
1	CMD Plug & Play Harness
1	Dynojet CAN-Link Cable
1	USB COM Cable
2	CAN Port Seals
1	USB Port Seal
2	Dual Lock Fasteners
6	Zip Ties
1	Alcohol Swab

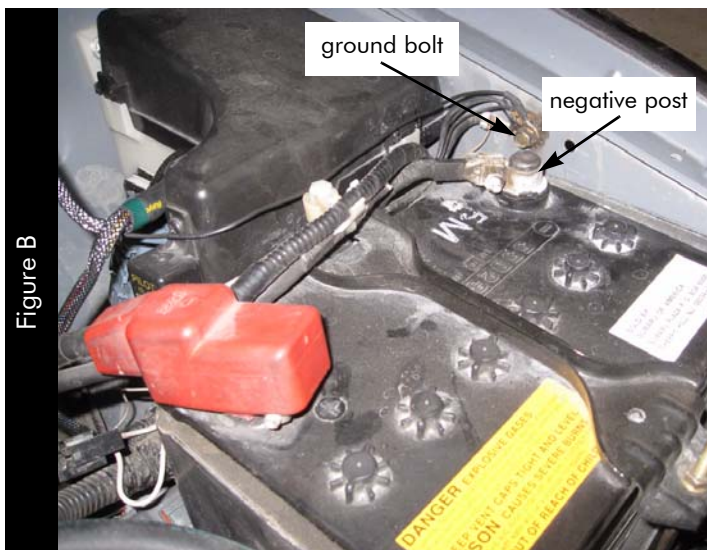
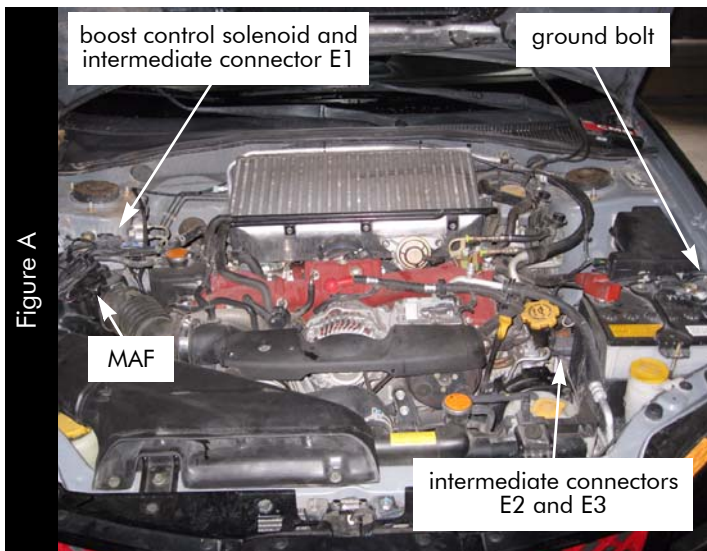
TOOLS REQUIRED

- 10mm socket with ratchet
- 10mm combination wrench
- zip tie cutters
- flat blade screwdriver

OVERVIEW: CMD MODULE



OVERVIEW: VEHICLE



- 1 Using a 10mm socket with ratchet, loosen the nut and remove the negative battery cable from the negative post of the battery.
- 2 Using a 10mm socket with ratchet, remove the grounding bolt from the inner fender.

This grounding bolt is located on the drivers' inner fender behind the battery as shown in Figure B.



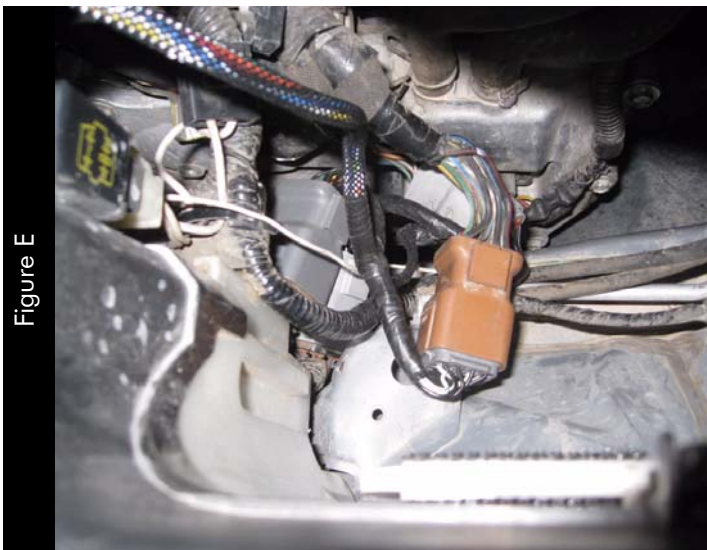
- 3 Using a 10mm wrench, remove the bolt holding the fuse box to the inner fender.

Figure D



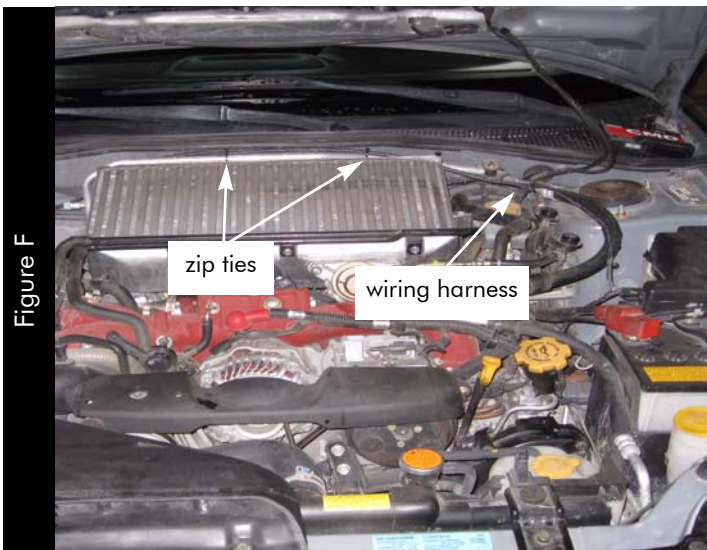
- 4 Locate the two front wiring harness plugs E2 and E3.
The E2 and E3 plugs are located below the fuse box.
- 5 Disconnect the E2 and E3 plugs.

Figure E



- 6 Attach the female connectors from the CMD harness to the two front wiring harness plugs E2 and E3.
- 7 Attach the male connectors from the CMD harness to the stock connectors.

Figure F



- 8 Reinstall the fuse box using the bolt removed earlier.
- 9 Bolt the ground wire from the CMD harness to the grounding bolt on the drivers' inner fender.
- 10 Route the CMD wiring harness around the back of the engine, across the A/C lines, and over to the boost control solenoid location.
Zip ties are provided for a clean installation.

Figure G



- 11 Moving to the passenger side of the engine compartment, disconnect the bulkhead wiring harness plug E1.

Figure H



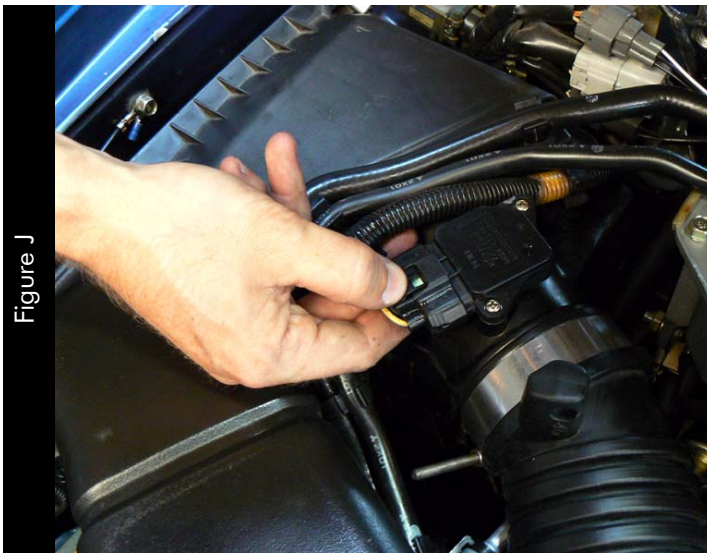
- 12 Attach the female connector from the CMD harness to the bulkhead wiring harness plug E1.
- 13 Attach the male connector from the CMD harness to the stock connector.

Figure I



- 14 Unplug the boost control solenoid connector from the solenoid.
- 15 Attach the connectors from the CMD harness to the boost control solenoid connector and the stock connector.

Figure J



- 16 Unplug the MAF connector from the MAF sensor.
- 17 Attach the connectors from the CMD harness to the MAF sensor connector and the stock connector.

Figure K



- 18 Allow for some engine movement and install zip ties where needed.

Figure L



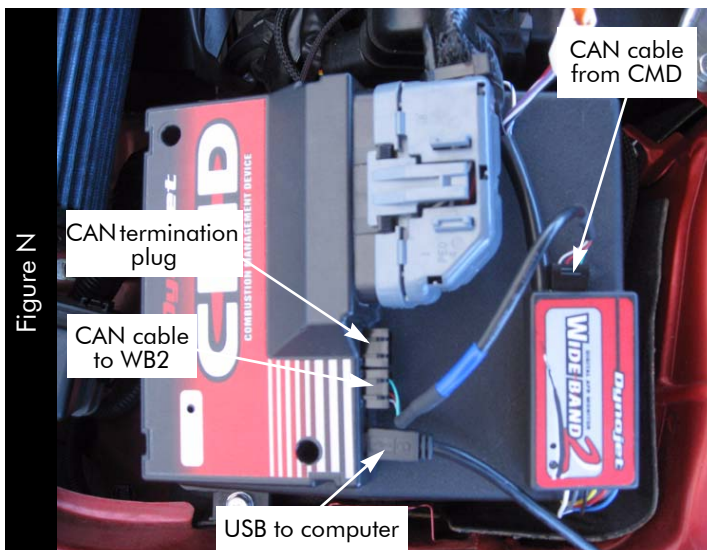
- 19 Locate a suitable mounting location for the CMD module.
Note: Leave the two connectors on the side of the CMD accessible. This allows you to easily connect to the CMD for programming without having to disturb its mounting location.
The CMD module fits nicely beside the fuse box as shown in Figure M. Your mounting location may vary.
- 20 Affix the provided adhesive backed dual-lock fasteners to the back of the CMD module approximately as shown in Figure L.
Make sure to clean the CMD and mounting location to remove any oil, dirt, or grease to ensure secure adhesion.

Figure M



- 21 Attach the main CMD harness to the CMD module connector and ensure that it locks in place.
- 22 Reconnect the negative battery cable to the negative post on the battery and tighten.

Figure N



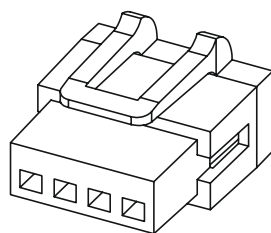
USING AUTOTUNE WITH CMD

To take advantage of Dynojet's AutoTune feature with the CMD, you first need to install a Wideband 2 (WB2) on your vehicle. The Dynojet Master Control Center software allows you to enable and configure Autotuning.

Refer to the Wideband 2 Installation Guide (P/N 98200017) for more information on installing the Wideband 2.

Refer to the Master Control Center Help for more information on enabling and configuring AutoTune.

Figure O



CAN termination plug

CONNECTING THE CMD TO THE WIDEBAND 2

- 1 Verify the Wideband 2 is installed correctly. Refer to the Wideband 2 Installation Guide.
- 2 Connect the CMD to the Wideband 2 using the CAN to CAN cable. Refer to Figure N.
The CAN to CAN cable is provided with the CMD.
- 3 In one of the open CAN ports on either module, attach the provided CAN termination plug. Refer to Figure N and O.