



OVERVIEW

PART NUMBER
D440-16xx-xxx

APPLICATION:
Various -- see chart below

Congratulations for being selective enough to use a DINANTRONICS Performance Tuner. We have spent many hours developing this system to assure that you will receive maximum performance and durability with minimum difficulty in installation.

Please take the time to read these instructions thoroughly before proceeding. When performing the installation, read the entire numbered instruction before working on the car. If you feel that you do not have the requisite skill, please arrange for a qualified repair facility to perform the installation.

**** WARNING ****

The DINANTRONICS ECU, harness, and software are designed for use in specific applications as detailed in the chart below. Do not install this product into a vehicle not listed for the specific ECU & software you have. Damage will occur if this kit is misapplied!

As indicated in the DINAN product catalog, certain DINANTRONICS software products were designed for use with additional high performance hardware components including, but not limited to, Free-Flow Exhaust systems, cold air intake systems, and intercooler systems. Use of such DINANTRONICS software products without the required associated hardware components voids any and all warranties. For any questions about compatibility, please contact DINAN at 408-779-8584.

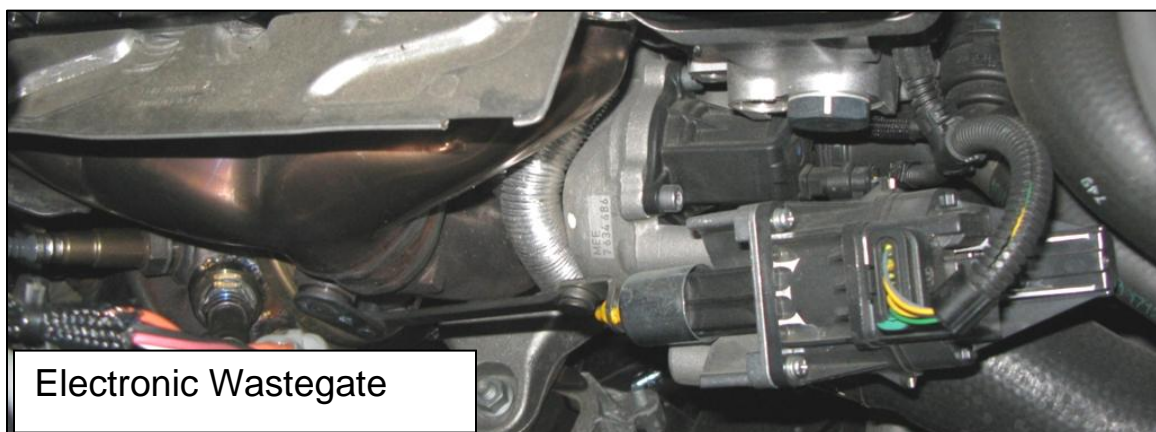
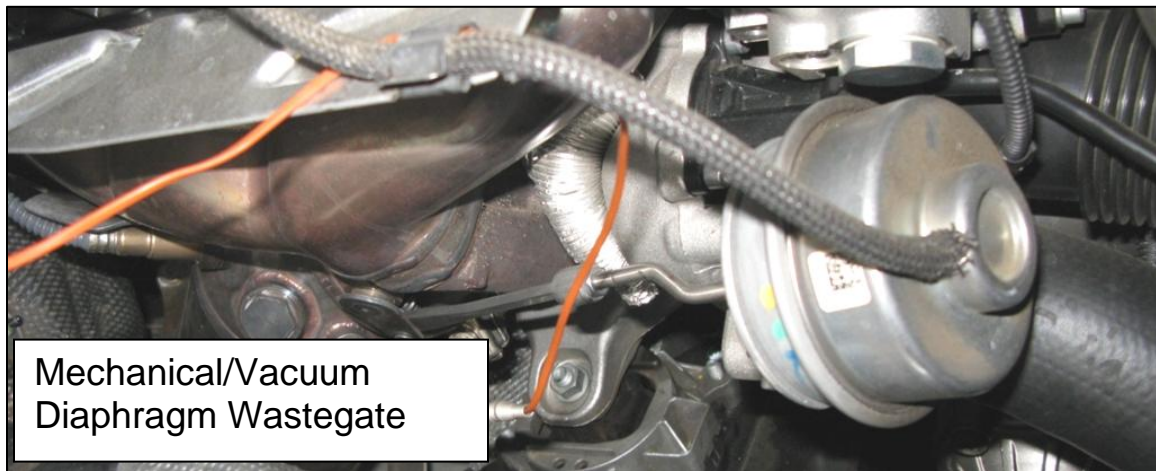
**** IDENTIFY TYPE OF WASTEGATE ****

To ensure you have the correct kit for your vehicle, you must first identify the type of wastegate installed in your car.

Most BMW turbo engines are equipped with two styles of wastegates: mechanical diaphragm vs. electronic. The two wastegates styles require different software. Before installing DINANTRONICS, you must determine the type of wastegate attached to the turbocharger(s) on the vehicle. Use the following illustrations as a guide.

Check Wastegate on N20/N26 4-cylinder engines:

Look at the turbo to determine which type of wastegate is installed on your car. Look for a vacuum hose or electric wire connector.

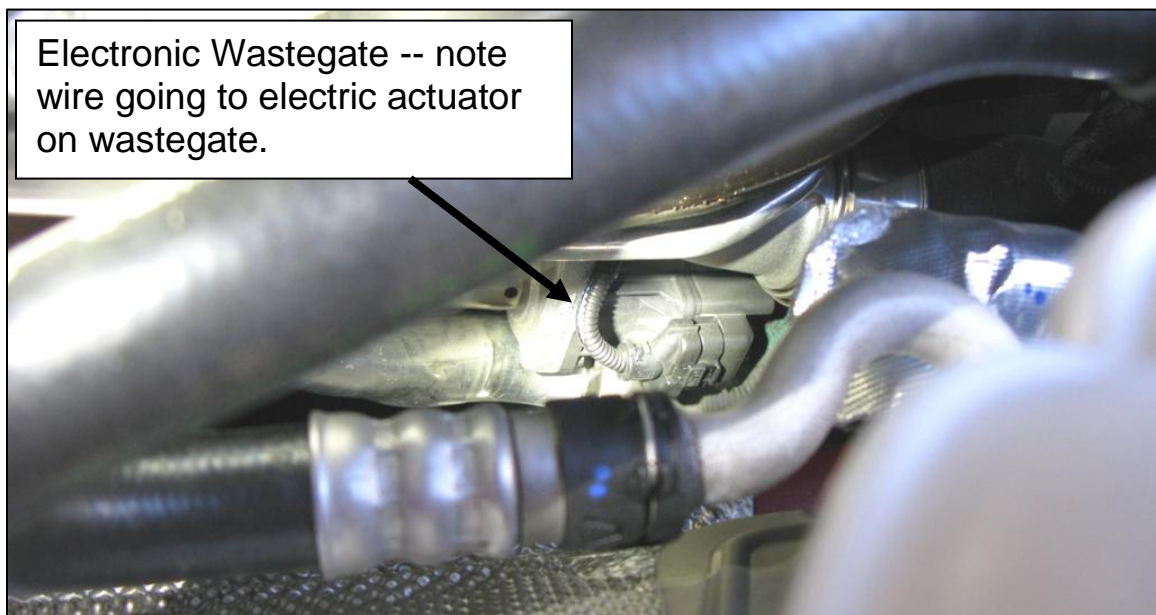
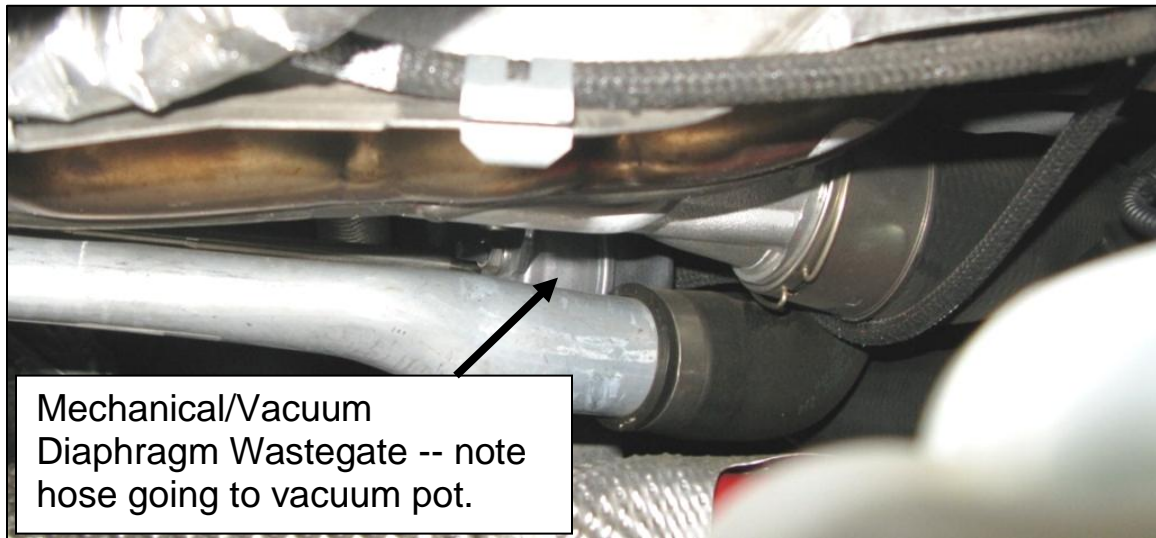


Wastegate on S55 6-cylinder engines (M3 & M4):

The S55 engine in the F8x M3 & M4 were only equipped with an electronic wastegates, so no visual identification is necessary.

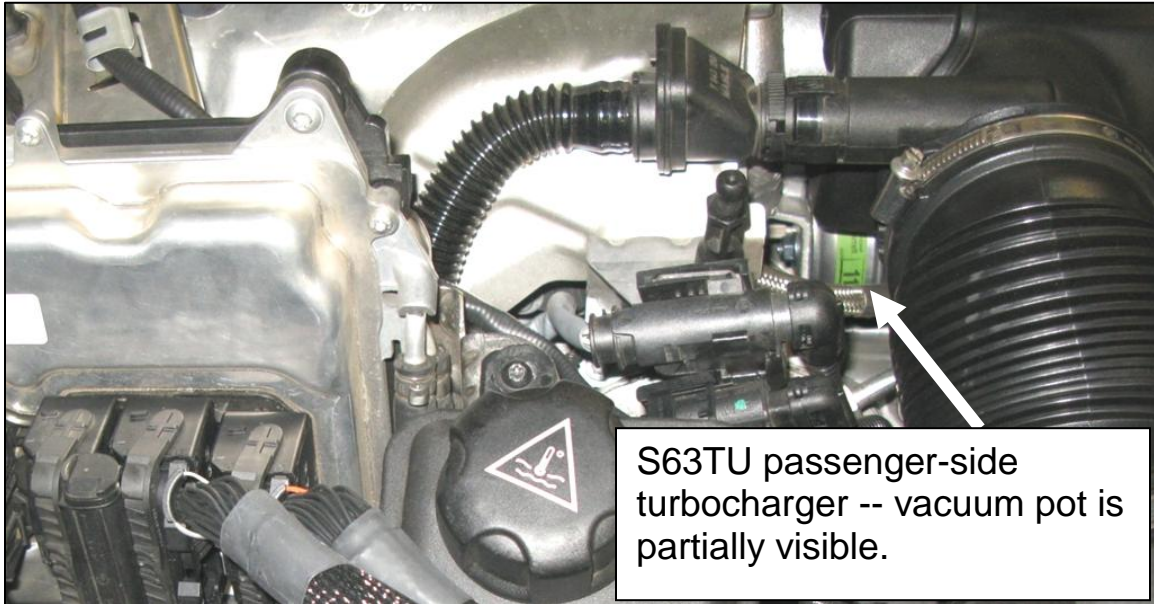
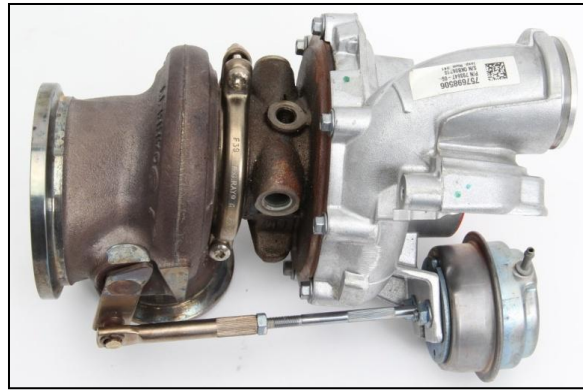
Check Wastegate on N55 6-cylinder engines:

Look at the turbo to determine which type of wastegate is installed on your car.
Look for a vacuum hose or electric wire connector.

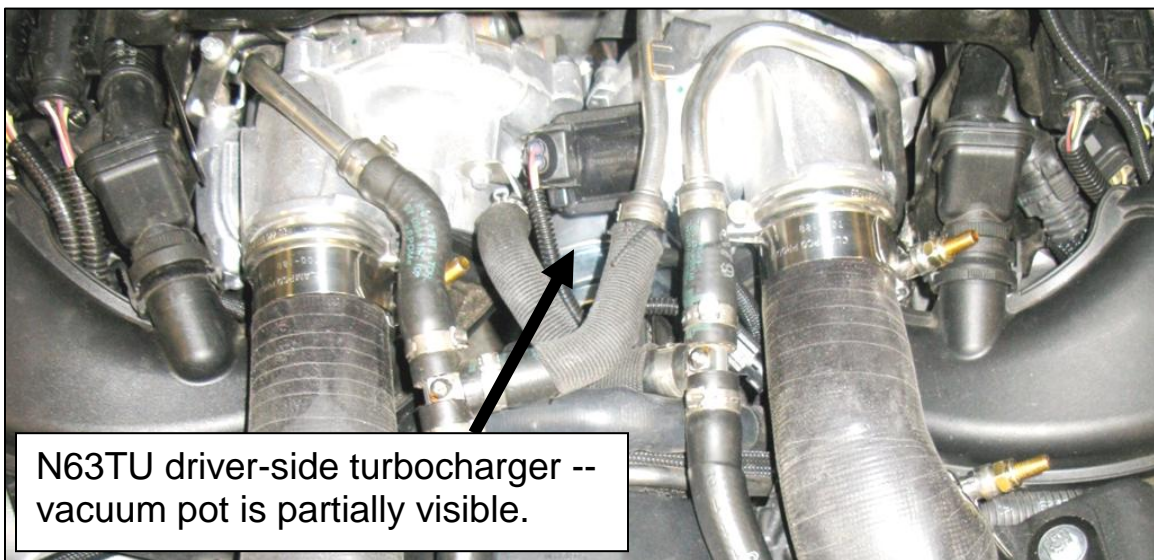


**Check Wastegate on N63TU & S63
8-cylinder engines:**

In the photos below, a portion of the vacuum pot that actuates the Wastegate is visible. If your turbochargers have electronic wastegates, please stop and contact Dinan.



S63TU passenger-side turbocharger -- vacuum pot is partially visible.



N63TU driver-side turbocharger -- vacuum pot is partially visible.

**** CONFIRM CORRECT KIT FOR YOUR VEHICLE ****

Examine the kit part number shown on the outside of the packaging. See chart at the end of this section and confirm you have the correct kit for your application. Pay particular attention to the type of wastegate (vacuum vs. electric). Do not proceed if you do not have the correct kit for your application! Contact Dinan if you have any questions.

**** DOWNLOAD INSTALLATION INSTRUCTIONS ****

The latest instructions are available for download at the Dinan website:

- Open a web browser and navigate to www.dinancars.com
- Select your vehicle.
- Select the DINANTronics product.
- Click the "Download Installation Instructions" link.
- If desired, print the instructions and set aside.

**** PREPARE VEHICLE FOR INSTALLATION ****

During DINANTRONICS installation, the engine computer (ECU) will be disconnected from the vehicle. If the ECU is awake when it is disconnected, faults may be stored and the check engine light could be illuminated after installation. The vehicle may not function properly. To prevent this occurrence, it is essential to prepare the car correctly per the following procedure:

1. Park vehicle at the location where you will be installing DINANTRONICS.
2. Determine the range of the keys.
 - Step away from the vehicle and attempt to lock or unlock the car using the remote.
 - Continue to move away until the car no longer responds to the key. This is the range of the key.
 - During DINANTRONICS installation, ALL keys must be completely outside this range. If a key remains within range of the car, the vehicle may respond to the key and awaken unexpectedly, which could result in a stored fault and check engine light.
3. Unlock the car and open both the hood and trunk.
4. Close all the doors.
5. Move all keys beyond the range of the car.
6. After approximately one minute, you can hear the electronics in the engine compartment power down. This indicates that the electronics have gone to

sleep. If you should miss this event, you can wait five minutes, which ensures that all the electronics are asleep.

7. Disconnect negative terminal of battery.
8. Install the DINANTRONICS harness and ECU per the separate instructions. Note that harness installation in vehicles (such as the X1, X3, X4, X5, X6, and Z4) are covered in a supplement.
9. Reconnect negative battery cable.
10. Enjoy!

** Remember to submit a completed registration form to record your purchase with Dinan!

DINANTRONICS PERFORMANCE TUNER KIT APPLICATIONS

<u>Chassis</u>	<u>Engine</u>	<u>Vehicle</u>	<u>Wastegate</u>	<u>Stage 1 kit</u>	<u>Stage 2 kit</u>	<u>Stage 3 kit</u>
F22	N20	2014-2016 228i Coupe	Electric	D440-1632-ST1		
F22	N20	2015-2016 228i xDrive	Electric	D440-1632-ST1		
F30	N20	2013-16 320i	Electric	D440-1646-ST1		
F30	N20	2013-2016 320i xDrive	Electric	D440-1646-ST1		
F30	N20	2012-2016 328i	Vacuum	D440-1631-ST1		D440-1631-ST3
F30	N20	2012-2016 328i	Electric	D440-1632-ST1		
F30	N20	2013-2016 328i xDrive	Vacuum	D440-1631-ST1		D440-1631-ST3
F30	N20	2013-2016 328i xDrive	Electric	D440-1632-ST1		
F31	N20	2014-2016 328i xDrive Sports Wagon	Electric	D440-1632-ST1		
F34	N20	2014-2016 328i xDrive Gran Turismo	Electric	D440-1632-ST1		
F33	N20	2014-2016 428i Convertible	Electric	D440-1632-ST1		
F32	N20	2014-2016 428i Coupe	Electric	D440-1632-ST1		
F36	N20	2015-2016 428i Gran Coupe	Electric	D440-1632-ST1		
F32	N20	2014-2016 428i xDrive Coupe	Electric	D440-1632-ST1		
F33	N20	2015-2016 428i xDrive Convertible	Electric	D440-1632-ST1		
F36	N20	2015-2016 428i xDrive Gran Coupe	Electric	D440-1632-ST1		
F10	N20	2012-2016 528i	Vacuum	D440-1631-ST1		
F10	N20	2012-2016 528i	Electric	D440-1632-ST1		
F10	N20	2012-2016 528i xDrive	Vacuum	D440-1631-ST1		
F10	N20	2012-2016 528i xDrive	Electric	D440-1632-ST1		
E84	N20	2013-2015 X1 sDrive28i	Electric	D440-1632-ST1		
E84	N20	2013-2015 X1 xDrive28i	Vacuum	D440-1631-ST1		
E84	N20	2013-2015 X1 xDrive28i	Electric	D440-1632-ST1		
F25	N20	2014-2016 X3 sDrive 28i	Electric	D440-1632-ST1		
F25	N20	2013-2016 X3 xDrive 28i	Vacuum	D440-1631-ST1		
F25	N20	2013-2016 X3 xDrive 28i	Electric	D440-1632-ST1		

Chassis	Engine	Vehicle	Wastegate	Stage 1 kit	Stage 2 kit	Stage 3 kit
F26	N20	2015-2016 X4 xDrive 28i	Electric	D440-1632-ST1		
E89	N20	2012-2016 Z4 sDrive 28i Roadster	Vacuum	D440-1631-ST1		
E89	N20	2012-2016 Z4 sDrive 28i Roadster	Electric	D440-1632-ST1		
F22	N26	2014-2016 228i Coupe SULEV	Electric	D440-1633-ST1		
F22	N26	2015-2016 228i xDrive Coupe SULEV	Electric	D440-1633-ST1		
F30	N26	2012-2016 328i Sedan SULEV	Electric	D440-1633-ST1		
F30	N26	2013-2016 328i xDrive SULEV	Electric	D440-1633-ST1		
F34	N26	2016 328i xDrive Gran Turismo SULEV	Electric	D440-1633-ST1		
F32	N26	2014-2016 428i Coupe SULEV	Electric	D440-1633-ST1		
F33	N26	2014-2016 428i Convertible SULEV	Electric	D440-1633-ST1		
F36	N26	2015-2016 428i Gran Coupe SULEV	Electric	D440-1633-ST1		
F32	N26	2014-2016 428i xDrive Coupe SULEV	Electric	D440-1633-ST1		
F33	N26	2015-2016 428i xDrive Convertible SULEV	Electric	D440-1633-ST1		
F36	N26	2015-2016 428i xDrive Gran Coupe SULEV	Electric	D440-1633-ST1		
F30	N55	2012-2015 335i Sedan	Vacuum	D440-1638-ST1	D440-1638-ST2	D440-1638-ST3
F30	N55	2012-2015 335i Sedan	Electric	D440-1639-ST1	D440-1639-ST2	D440-1639-ST3
F30	N55	2012-2015 335i Sedan (w/ M-Perf)	Vacuum	D440-1640-ST1	D440-1640-ST2	D440-1640-ST3
F30	N55	2012-2015 335i Sedan (w/ M-Perf)	Electric	D440-1641-ST1	D440-1641-ST2	D440-1641-ST3
F30	N55	2013-2015 335i xDrive Sedan	Vacuum	D440-1638-ST1	D440-1638-ST2	D440-1638-ST3
F30	N55	2013-2015 335i xDrive Sedan	Electric	D440-1639-ST1	D440-1639-ST2	D440-1639-ST3
F30	N55	2013-2015 335i xDrive Sedan (w/ M-Perf)	Vacuum	D440-1640-ST1	D440-1640-ST2	D440-1640-ST3
F30	N55	2013-2015 335i xDrive Sedan (w/ M-Perf)	Electric	D440-1641-ST1	D440-1641-ST2	D440-1641-ST3
F34	N55	2014-2015 335i xDrive Gran Turismo	Electric	D440-1639-ST1	D440-1639-ST2	D440-1639-ST3
F32	N55	2014-2016 435i Coupe	Electric	D440-1639-ST1	D440-1639-ST2	D440-1639-ST3
F32	N55	2014-2016 435i Coupe (w/ M-Perf)	Electric	D440-1641-ST1	D440-1641-ST2	D440-1641-ST3
F33	N55	2014-2016 435i Convertible	Electric	D440-1639-ST1	D440-1639-ST2	D440-1639-ST3
F33	N55	2014-2016 435i Convertible (w/ M-Perf)	Electric	D440-1641-ST1	D440-1641-ST2	D440-1641-ST3
F32	N55	2014-2016 435i xDrive Coupe	Electric	D440-1639-ST1	D440-1639-ST2	D440-1639-ST3
F32	N55	2014-2016 435i xDrive Coupe (w/ M-Perf)	Electric	D440-1641-ST1	D440-1641-ST2	D440-1641-ST3
F33	N55	2014-2016 435i xDrive Convertible	Electric	D440-1639-ST1	D440-1639-ST2	D440-1639-ST3
F33	N55	2014-2016 435i xDrive Convertible (w/ M-Perf)	Electric	D440-1641-ST1	D440-1641-ST2	D440-1641-ST3
F36	N55	2014-2016 435i Gran Coupe	Electric	D440-1639-ST1	D440-1639-ST2	D440-1639-ST3
F36	N55	2014-2016 435i Gran Coupe (w/ M-Perf)	Electric	D440-1641-ST1	D440-1641-ST2	D440-1641-ST3
F36	N55	2015-2016 435i xDrive Gran Coupe	Electric	D440-1639-ST1	D440-1639-ST2	D440-1639-ST3
F36	N55	2015-2016 435i xDrive Gran Coupe (w/ M-Perf)	Electric	D440-1641-ST1	D440-1641-ST2	D440-1641-ST3
F10	N55	2011-2016 535i Sedan	Vacuum	D440-1638-ST1		
F10	N55	2011-2016 535i Sedan	Electric	D440-1639-ST1		
F10	N55	2011-2016 535i Sedan (w/ M-Perf)	Electric	D440-1641-ST1		
F07	N55	2011-2016 535i Gran Turismo	Vacuum	D440-1638-ST1		
F07	N55	2011-2016 535i Gran Turismo	Electric	D440-1639-ST1		
F10	N55	2011-2016 535i xDrive Sedan	Vacuum	D440-1638-ST1		
F10	N55	2011-2016 535i xDrive Sedan	Electric	D440-1639-ST1		
F10	N55	2011-2016 535i xDrive Sedan (w/ M-Perf)	Electric	D440-1641-ST1		

Chassis	Engine	Vehicle	Wastegate	Stage 1 kit	Stage 2 kit	Stage 3 kit
F07	N55	2011-2016 535i xDrive Gran Turismo	Vacuum	D440-1638-ST1		
F07	N55	2011-2016 535i xDrive Gran Turismo	Electric	D440-1639-ST1		
F12	N55	2012-2016 640i Convertible	Vacuum	D440-1642-ST1		
F12	N55	2012-2016 640i Convertible	Electric	D440-1643-ST1		
F13	N55	2012-2016 640i Coupe	Vacuum	D440-1642-ST1		
F13	N55	2012-2016 640i Coupe	Electric	D440-1643-ST1		
F06	N55	2013-2016 640i Gran Coupe	Vacuum	D440-1642-ST1		
F06	N55	2013-2016 640i Gran Coupe	Electric	D440-1643-ST1		
F12	N55	2014-2016 640i xDrive Convertible	Vacuum	D440-1642-ST1		
F12	N55	2014-2016 640i xDrive Convertible	Electric	D440-1643-ST1		
F13	N55	2014-2016 640i xDrive Coupe	Vacuum	D440-1642-ST1		
F13	N55	2014-2016 640i xDrive Coupe	Electric	D440-1643-ST1		
F06	N55	2014-2016 640i xDrive Gran Coupe	Electric	D440-1643-ST1		
F02	N55	2013-2015 740Li	Vacuum	D440-1642-ST1		
F02	N55	2013-2015 740Li	Electric	D440-1643-ST1		
F02	N55	2013-2015 740Li xDrive	Vacuum	D440-1642-ST1		
F02	N55	2013-2015 740Li xDrive	Electric	D440-1643-ST1		
F01	N55	2013-2015 740i	Vacuum	D440-1642-ST1		
F01	N55	2013-2015 740i	Electric	D440-1643-ST1		
F22	N55	2014-2016 M235i Coupe	Electric	D440-1641-ST1	D440-1641-ST2	D440-1641-ST3
F22	N55	2015-2016 M235i xDrive Coupe	Electric	D440-1641-ST1	D440-1641-ST2	D440-1641-ST3
F25	N55	2013-2016 X3 xDrive 35i	Vacuum	D440-1638-ST1		
F25	N55	2013-2016 X3 xDrive 35i	Electric	D440-1639-ST1		
F26	N55	2015-2016 X4 xDrive 35i	Vacuum	D440-1638-ST1		
F26	N55	2015-2016 X4 xDrive 35i	Electric	D440-1639-ST1		
F15	N55	2015-2016 X5 sDrive 35i	Electric	D440-1639-ST1		
F15	N55	2015-2016 X5 sDrive 35i (w/ M-Perf)	Electric	D440-1641-ST1		
F15	N55	2015-2016 X5 xDrive 35i	Electric	D440-1639-ST1		
F15	N55	2015-2016 X5 xDrive 35i (w/ M-Perf)	Electric	D440-1641-ST1		
F16	N55	2015-2016 X6 sDrive 35i	Electric	D440-1639-ST1		
F16	N55	2015-2016 X6 sDrive 35i (w/ M-Perf)	Electric	D440-1641-ST1		
F16	N55	2015-2016 X6 xDrive 35i	Electric	D440-1639-ST1		
F16	N55	2015-2016 X6 xDrive 35i (w/ M-Perf)	Electric	D440-1641-ST1		
F10	N63TU	2014-2016 550i Sedan	Vacuum	D440-1634-ST1	D440-1634-ST2	D440-1634-ST3
F07	N63TU	2013-2016 550i Gran Turismo	Vacuum	D440-1634-ST1	D440-1634-ST2	D440-1634-ST3
F10	N63TU	2014-2016 550i xDrive Sedan	Vacuum	D440-1634-ST1	D440-1634-ST2	D440-1634-ST3
F07	N63TU	2013-2016 550i xDrive Gran Turismo	Vacuum	D440-1634-ST1	D440-1634-ST2	D440-1634-ST3
F12	N63TU	2013-2016 650i Convertible	Vacuum	D440-1634-ST1		D440-1634-ST3
F13	N63TU	2013-2016 650i Coupe	Vacuum	D440-1634-ST1		D440-1634-ST3
F06	N63TU	2013-2016 650i Gran Coupe	Vacuum	D440-1634-ST1		D440-1634-ST3
F12	N63TU	2013-2016 650i xDrive Convertible	Vacuum	D440-1634-ST1		D440-1634-ST3
F13	N63TU	2013-2016 650i xDrive Coupe	Vacuum	D440-1634-ST1		D440-1634-ST3
F06	N63TU	2013-2016 650i xDrive Gran Coupe	Vacuum	D440-1634-ST1		D440-1634-ST3

Chassis	Engine	Vehicle	Wastegate	Stage 1 kit	Stage 2 kit	Stage 3 kit
F01	N63TU	2013-2015 750i	Vacuum	D440-1634-ST1	D440-1634-ST2	D440-1634-ST3
F02	N63TU	2013-2015 750Li	Vacuum	D440-1634-ST1	D440-1634-ST2	D440-1634-ST3
F01	N63TU	2013-2015 750i xDrive	Vacuum	D440-1634-ST1	D440-1634-ST2	D440-1634-ST3
F02	N63TU	2013-2015 750Li xDrive	Vacuum	D440-1634-ST1	D440-1634-ST2	D440-1634-ST3
F01	N63TU	2013-2015 Alpina B7	Vacuum	D440-1635-ST1	D440-1635-ST2	
F02	N63TU	2013-2015 Alpina B7 LWB	Vacuum	D440-1635-ST1	D440-1635-ST2	
F01	N63TU	2013-2015 Alpina B7 xDrive	Vacuum	D440-1635-ST1	D440-1635-ST2	
F02	N63TU	2013-2015 Alpina B7 xDrive LWB	Vacuum	D440-1635-ST1	D440-1635-ST2	
F06	N63TU	2015-2016 Alpina B6 xDrive Gran Coupe	Vacuum	D440-1635-ST1		
F15	N63TU	2015-2016 X5 xDrive 50i	Vacuum	D440-1634-ST1		
F85	S63TU	2015-2016 X5 M	Vacuum	D440-1647-ST1		
F16	N63TU	2015-2016 X6 xDrive 50i	Vacuum	D440-1634-ST1		
F86	S63TU	2015-2016 X6 M	Vacuum	D440-1647-ST1		
F80	S55	2015-2016 M3 Sedan	Electric	D440-1644-ST1	D440-1644-ST2	
F82	S55	2015-2016 M4 Coupe	Electric	D440-1644-ST1	D440-1644-ST2	
F83	S55	2015-2016 M4 Convertible	Electric	D440-1644-ST1	D440-1644-ST2	
F10	S63TU	2013-2016 M5	Vacuum	D440-1636-ST1	D440-1636-ST2	
F10	S63TU	2014-2016 M5 Competition	Vacuum	D440-1637-ST1	D440-1637-ST2	
F12	S63TU	2013-2016 M6 Convertible	Vacuum	D440-1636-ST1	D440-1636-ST2	
F12	S63TU	2014-2016 M6 Convertible Competition	Vacuum	D440-1637-ST1	D440-1637-ST2	
F13	S63TU	2013-2016 M6 Coupe	Vacuum	D440-1636-ST1	D440-1636-ST2	
F13	S63TU	2014-2016 M6 Coupe Competition	Vacuum	D440-1637-ST1	D440-1637-ST2	
F06	S63TU	2014-2016 M6 Gran Coupe	Vacuum	D440-1636-ST1	D440-1636-ST2	
F06	S63TU	2014-2016 M6 Gran Coupe Competition	Vacuum	D440-1637-ST1	D440-1637-ST2	
F10	S63TU	2015 M5 30th Anniversary Edition	Vacuum	D440-1636-ST1	D440-1636-ST2	



The Dinan app for Android or Apple iOS smart phones & tablets allows you to connect to a DINANTronics ECU and easily change between Bypass mode, and any licensed Stage.

To obtain the free DINANTRONICS app, search for 'dinantronics' on either the iTunes or Google Play stores, and download for your specific platform.

Requirement:

The app must be used with an Android or Apple device equipped with Bluetooth version 4.0, such as:

- Apple iPhone 4s or newer
- Apple iPad 3 or newer
- Apple iPad Air or newer
- Apple iPad mini or newer
- Samsung Galaxy S3 or newer
- numerous other Android devices

Please use a reference such as www.phonearena.com to research the Bluetooth capabilities of your device. Connection to a DINANTronics ECU requires Bluetooth version 4.0.



Harness INSTALLATION INSTRUCTIONS

PART NUMBER
D440-0022(B)

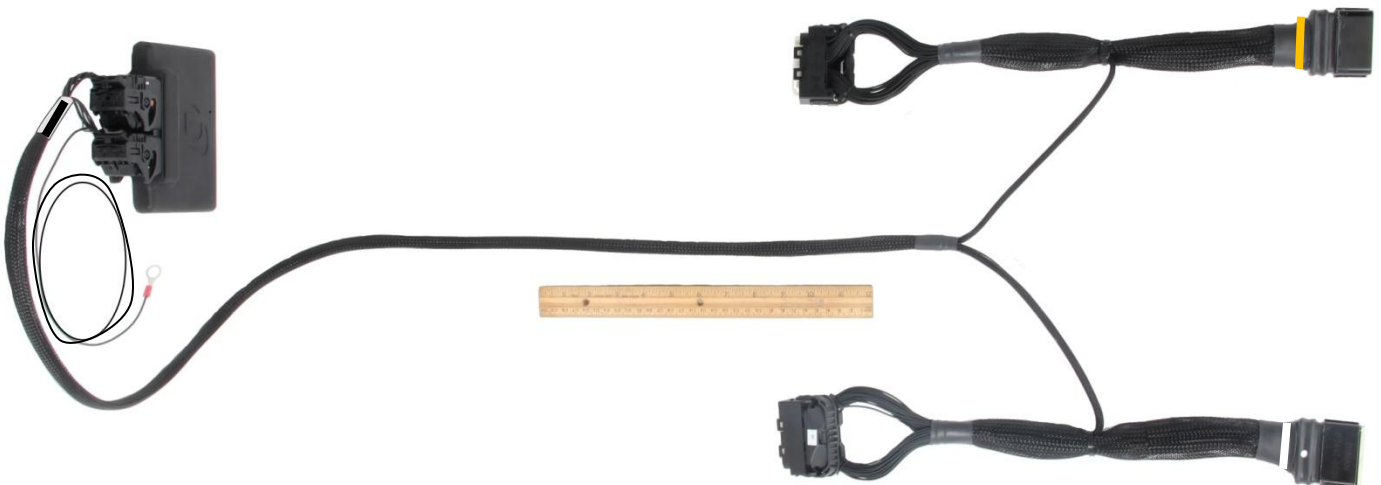
APPLICATION:
2014-16 F22 228i & xDrive
2012-16 F30 328i & xDrive, 2014-16 F31/F34 328i & xDrive
2014-16 F32/F33 428i & xDrive, 2015-16 F36 428i & xDrive
2013-16 F10 528i & xDrive

Congratulations for being selective enough to use a DINANTRONICS Performance Tuner (DPT). We have spent many hours developing this system to assure that you will receive maximum performance and durability with minimum difficulty in installation.

Please take the time to read these instructions thoroughly before proceeding. When performing the installation, read the entire numbered instruction before working on the car. If you feel that you do not have the requisite skill, please arrange for a qualified repair facility to perform the installation.

Notes:

- Evaluate and repair all faults stored in the ECU memories before installing any Dinan components.
- The harness must have a **BLACK BAND** near the DPT ECU connectors as shown below.

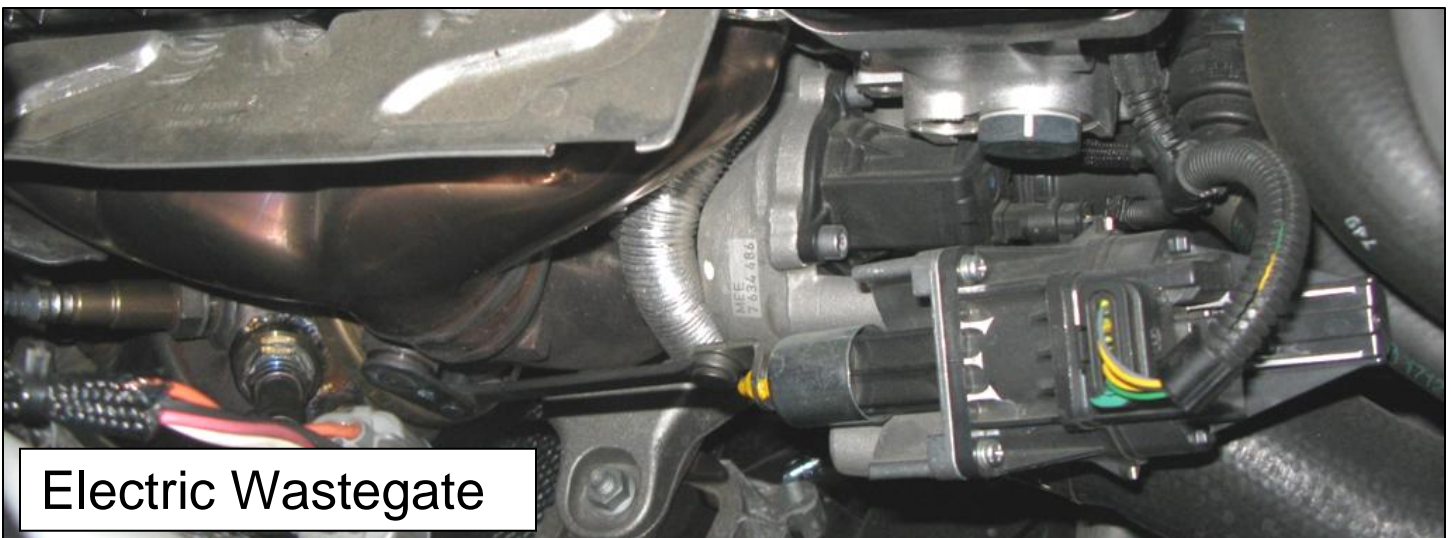
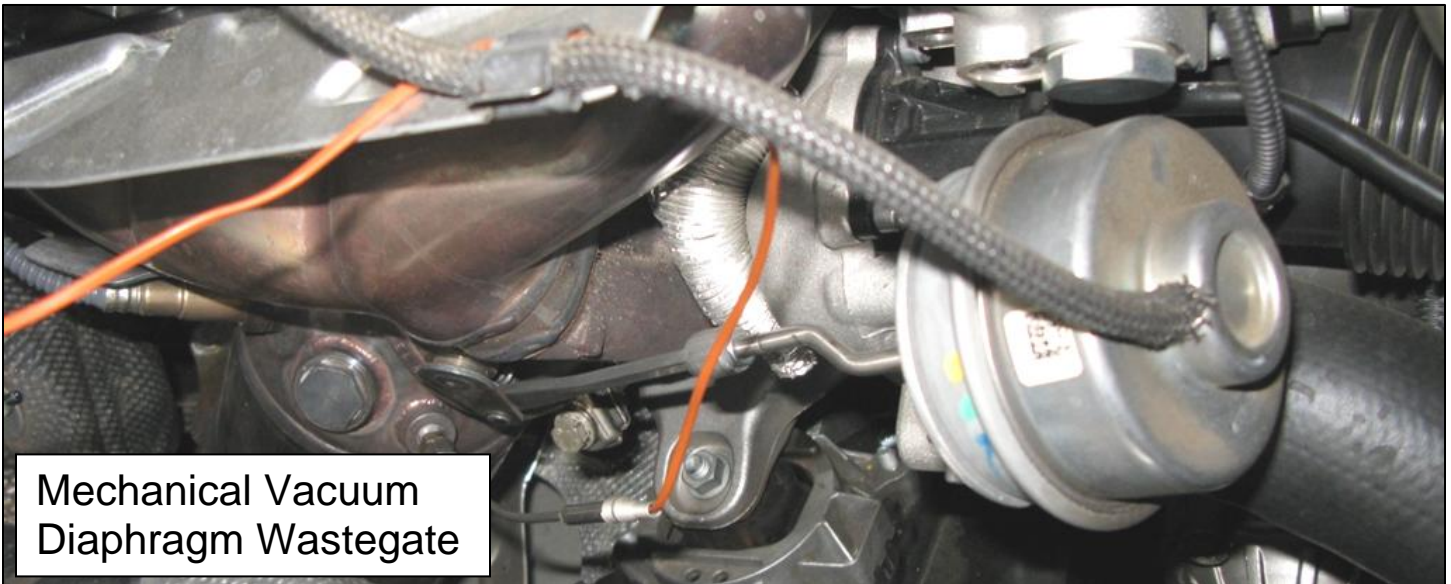


Warning!

Check Waste Gate on Turbo.

Look at the turbo to determine which type of waste gate is installed on your car.

The first two sections of the instructions for the 328i and the 528i were done with Mechanical Vacuum Wastegate cars. If your car has the Electronic Wastegate go to look at the third section of the instructions to get extra info for the installation. The engine cover does not have the vacuum reservoir with the two vacuum lines attached to it. The interconnect wire on the DME get routed slightly differently and you have to reroute the wire to the pressure sensor. See figures 36 thru 40 at the end of the instructions.



Warning!

Damage will occur if you do not follow instructions and install harness correctly.

Read and follow instructions step-by-step, making sure you plug harness in the correct position. Run the wires along the paths shown. The harness can be damaged if it is routed thru the wrong area.

Product Information.

The DINANTronics performance tuner box is not sealed. The electronics board inside of the box is. It is coated with a special material to waterproof it.

Installation: Photos for 228i, 328i & 428i are on pages 4-16. Photos for a 528i start on page 17.

1. Disconnect the negative battery lead.
2. The engine control unit is attached to the driver's side of the engine, On top of the intake manifold. Remove engine/ignition cover. Disconnect the two vacuum lines attached to the engine cover. Pull up on cover to get rubber mounts off of mounting pins. See figures 1 and 2.
3. Remove right side cover in engine compartment. Turn locks 90° counterclockwise. Unlock catch and pull cover up and outward. See figure 2.

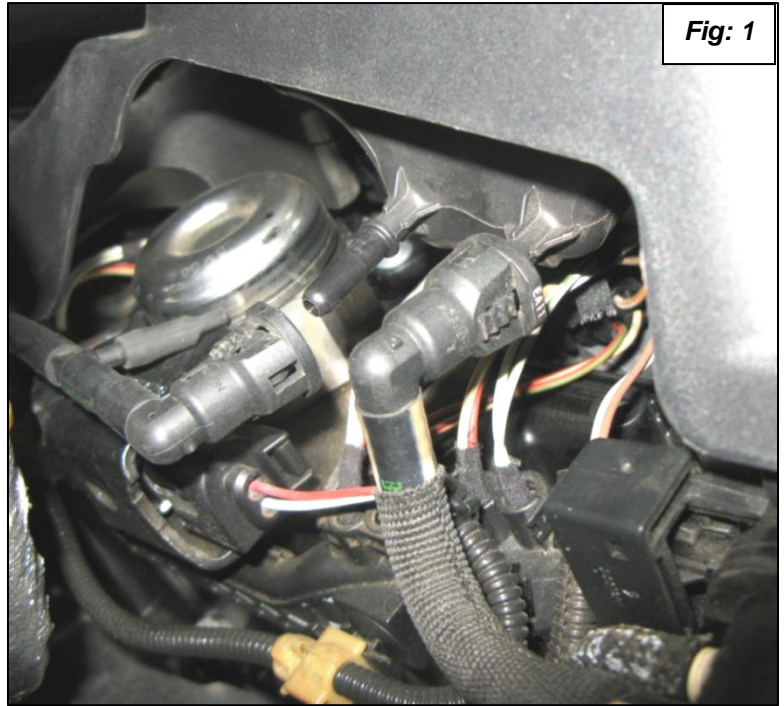


Fig: 1



Fig: 2

4. Disconnect the first three large connectors on the engine control unit. See figure 3. You have to start with the back large connector (1) and work your way forward to connector (3). You will be connecting the DPT wire harness connectors between the stock ECU and the stock ECU connectors.

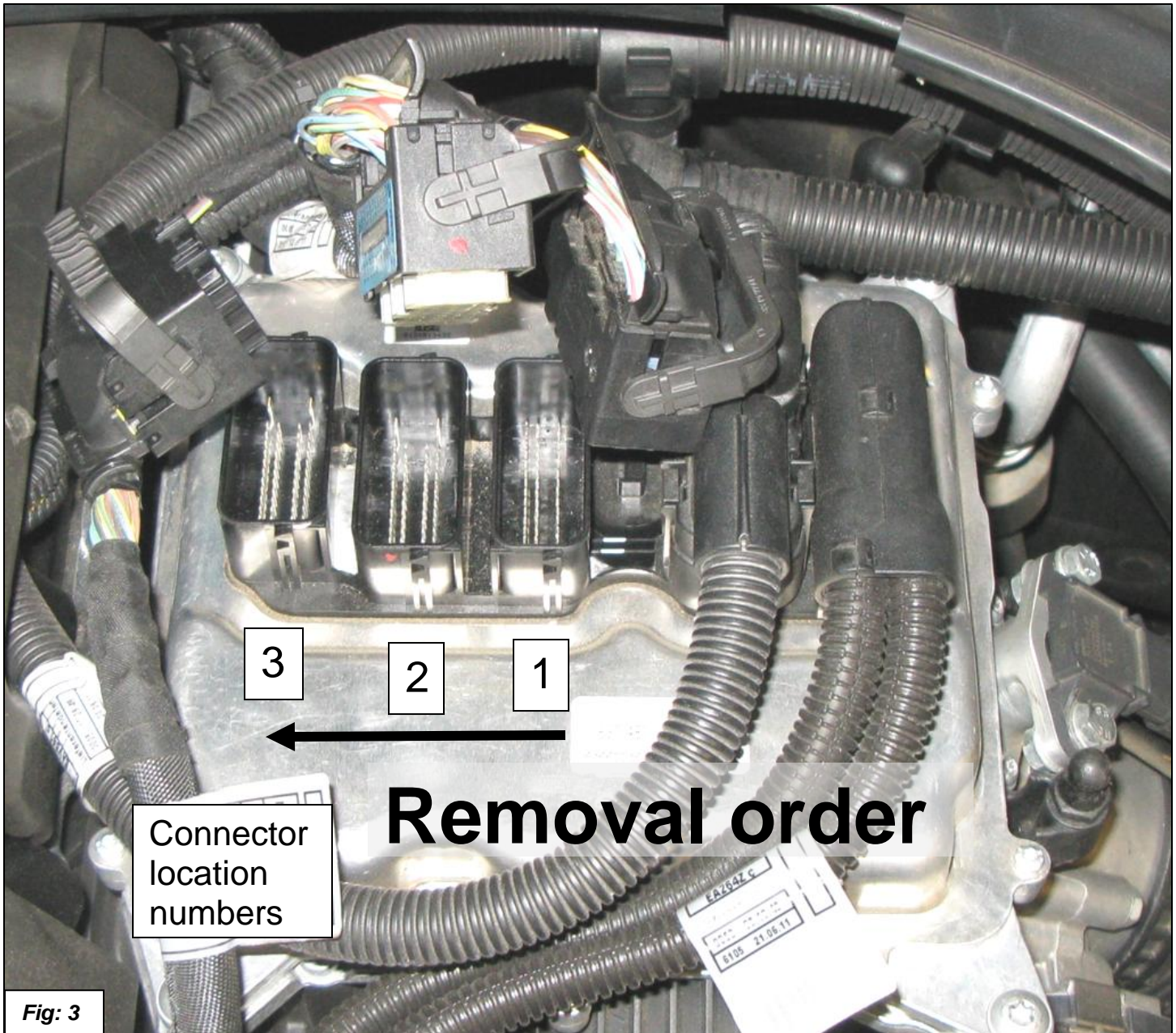


Fig: 3

Dinan has supplied you with a spray can of connector lubricant. You will need to spray it on all the connectors you remove and all the Dinan connections as you install them. Start by spraying the pins inside the connector housings on the ECU. Spray inside each end of each connector as you install them. **This is very important to spray every pin in every connector, it will help ease installation and inhibit corrosion. When installing the connectors push them together without using the locking lever. If you use the locking lever to pull them together the plug will not fully engage the pins. The plug must be fully pushed into the mating connector then locked with the lever!**

Fig: 4

5. Lay the DPT Harness on the car as shown in figure 4 to identify the connectors so you can install them in the correct locations.
6. The DPT Harness has two interrupt sections that connect at the stock ECU. The two interrupt sections are color coded so you can put them in right locations. One set has Orange dots (or zip-ties) on the connectors, and the other set has White dots (or zip-ties). See figure 5.

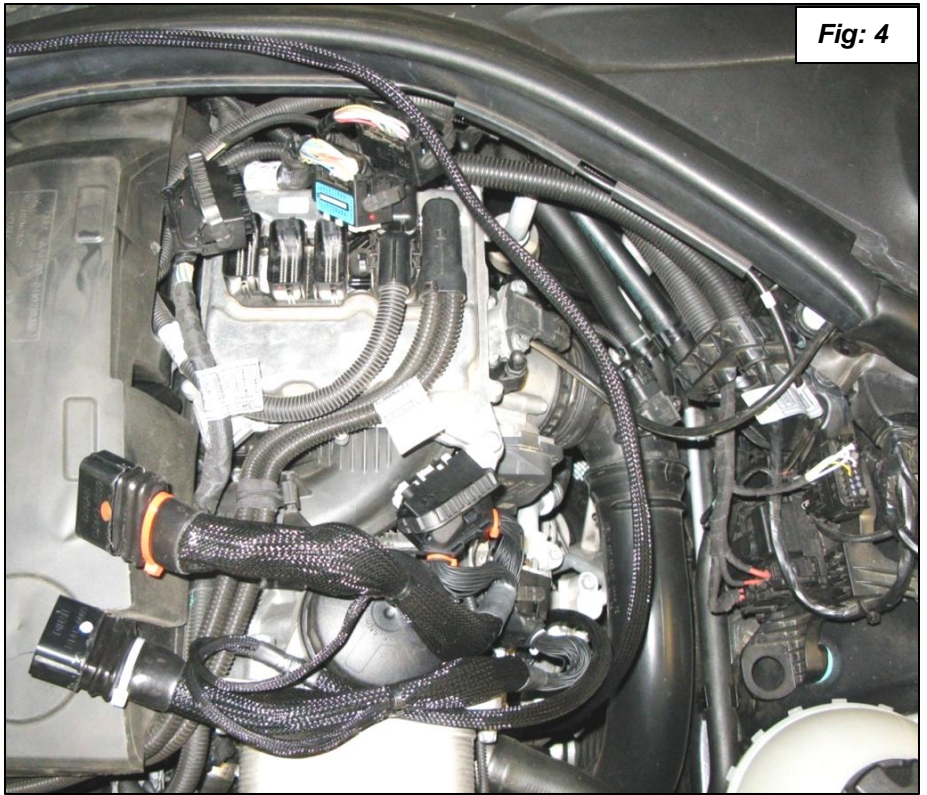
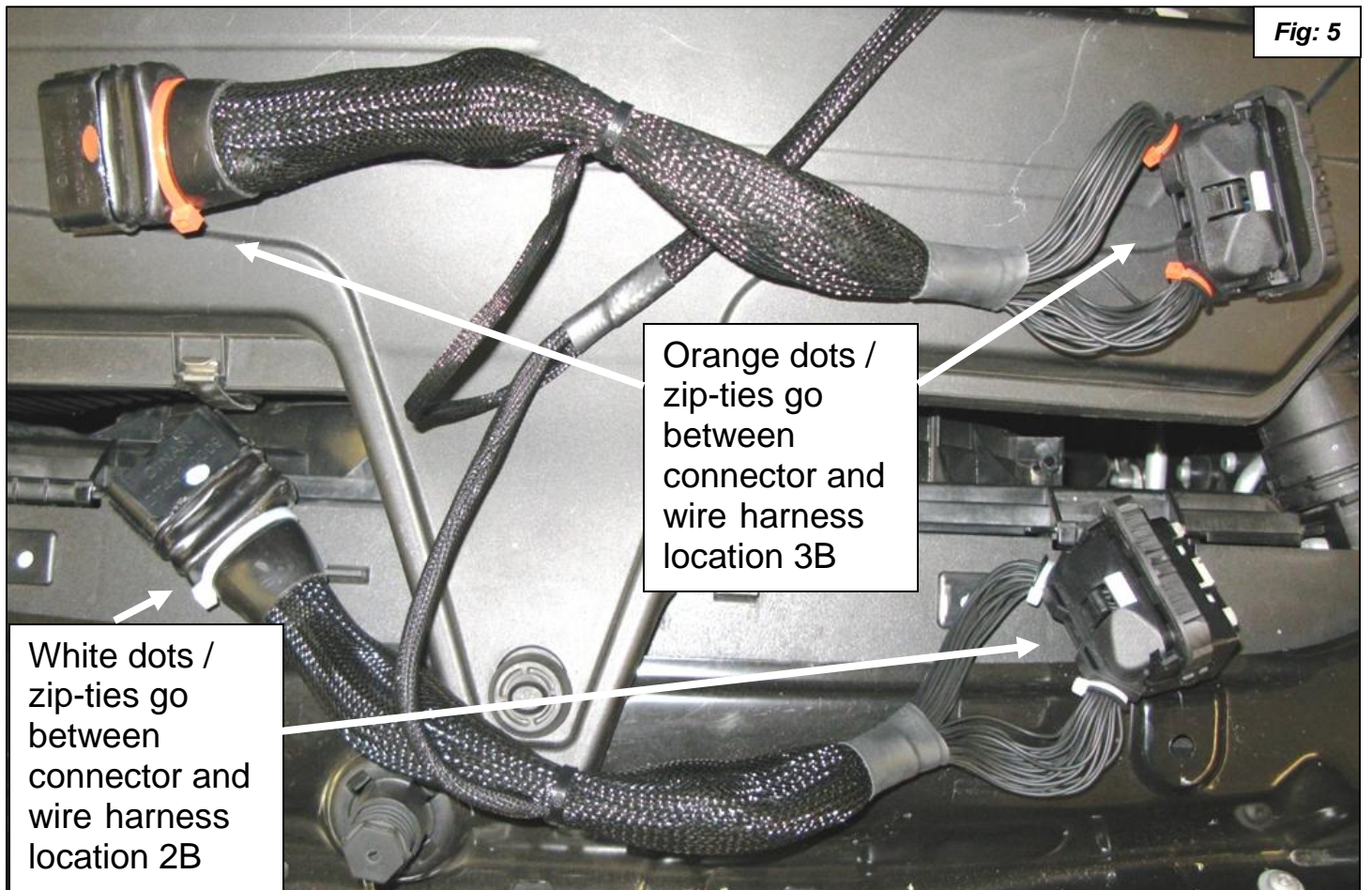
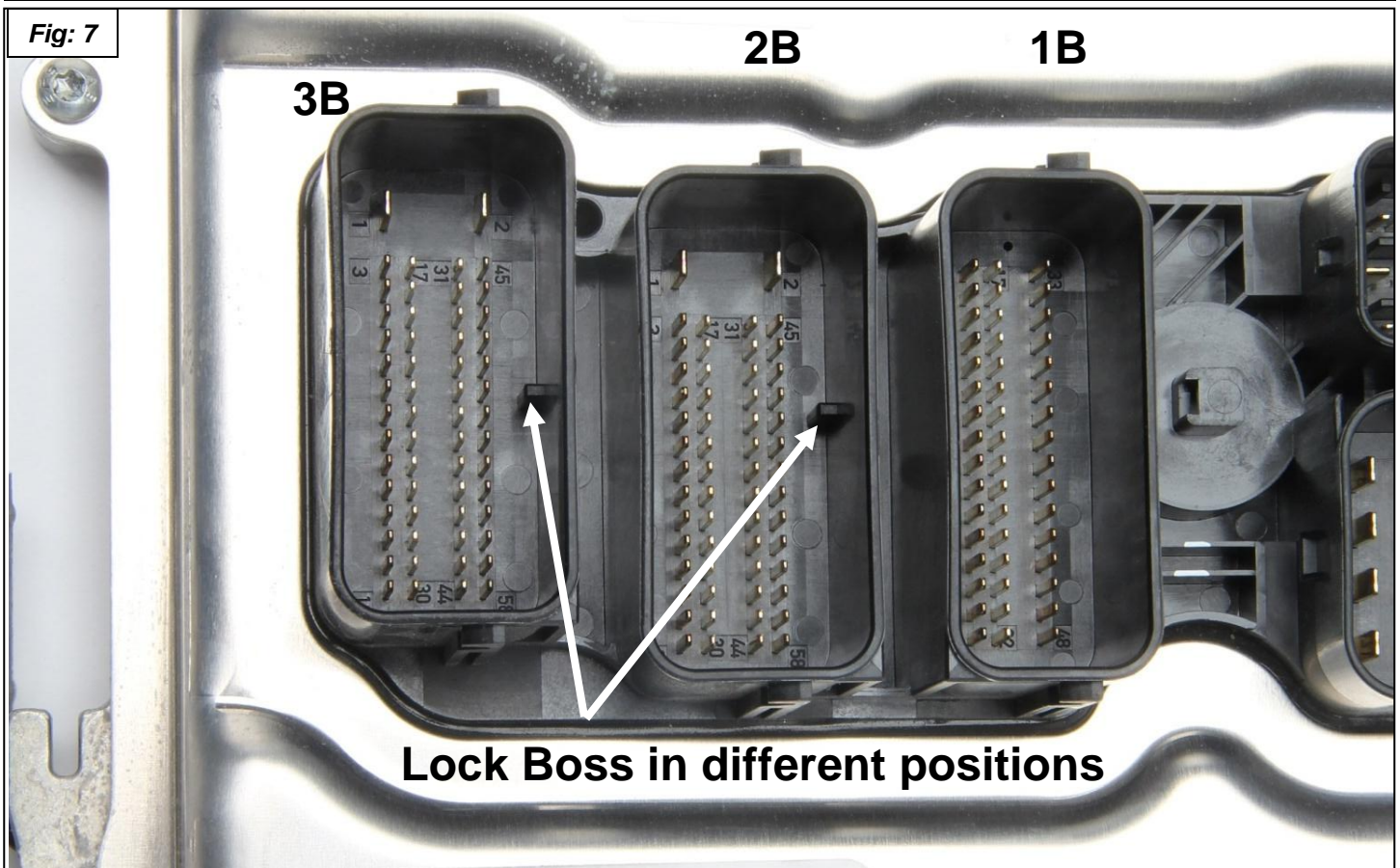
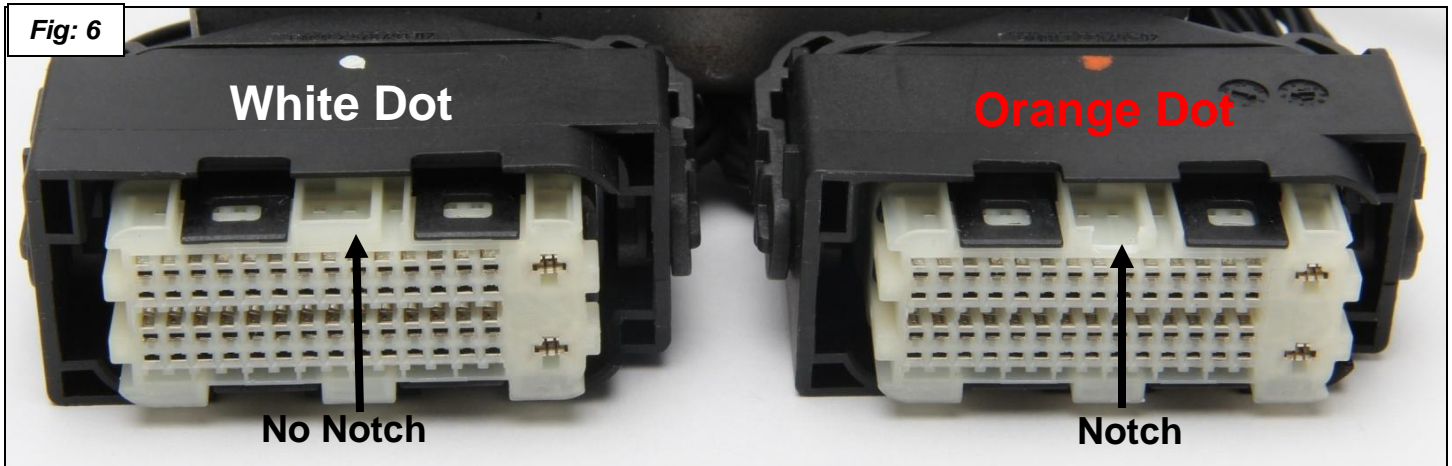


Fig: 5



7. The BMW connector ends of the Dinan interrupt sections are the same except for the color code. The Orange dot (or zip-tie) connector has a second lock notch so it will fit around Lock Boss that is in the connector receptacles on the ECU. They are in different locations between receptacle 2B and 3B. The Orange dot connector will physically fit in either 3B or 2B receptacles, but the White dot connector will only fit in the 2B receptacle. **Care must be taken to attach the connectors in the proper locations -- damage will occur if done wrong.** See figures 6 & 7.



8. The Orange Dot Interrupt section gets installed first. It goes between position (3B) on the ECU and the stock connector that has 4 rows of small connectors, two large connectors and is black in color. See figure 8.

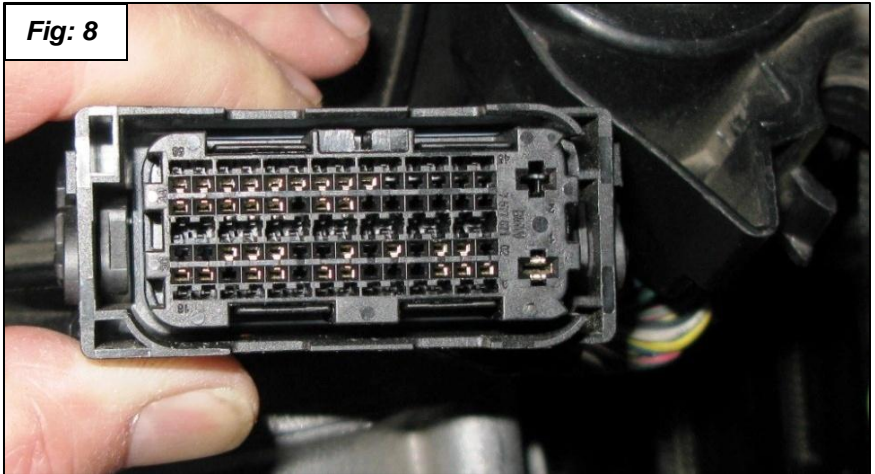


Fig: 8

9. Install the Orange Dot Dinan interrupt connector between position 3B on the stock ECU and the stock wire connector. Locate out of the way as shown so you can install the next connectors. You will relocate it in a later step. See figures 7, 8 and 9.

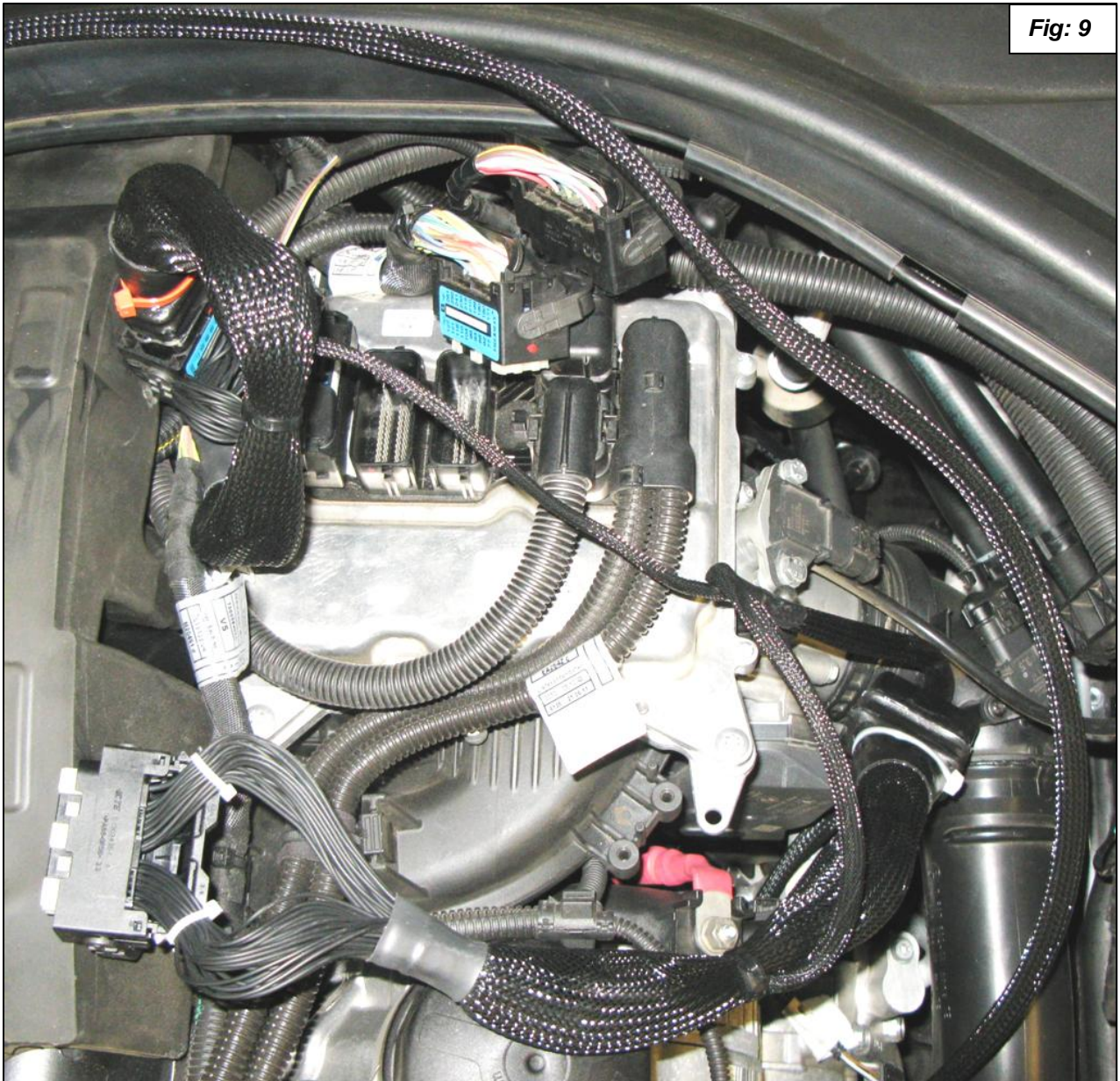


Fig: 9

- 10. Install the Interrupt section that has the White Dot between position (2B) on the ECU and the stock connector that has 4 rows of small connectors, two large connectors and is White in color. See figure 10.
- 11. Install the White Dot Dinan interrupt connector as shown in figure 11 and locate as shown so you can install the next connector.

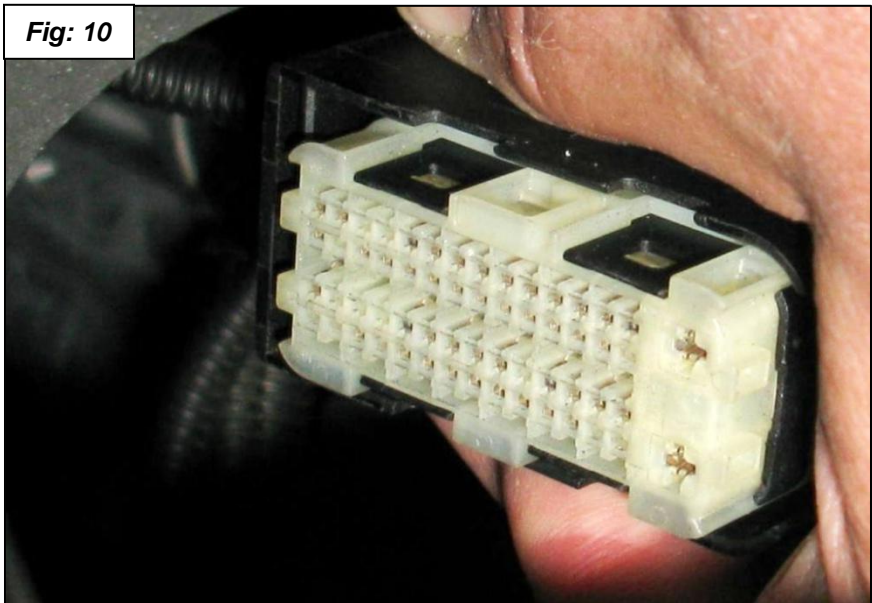


Fig: 10



Fig: 11

12. Install the last large connector that is the three row plug. It has no interrupt and goes back on as stock in position (1B).
13. Swing all the Interrupt sections down out of the way and position and zip tie them as shown in figures 12, 13 and 14.

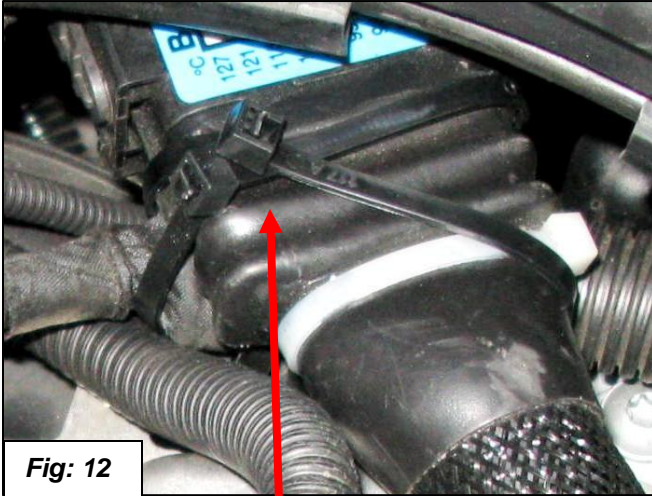


Fig: 12

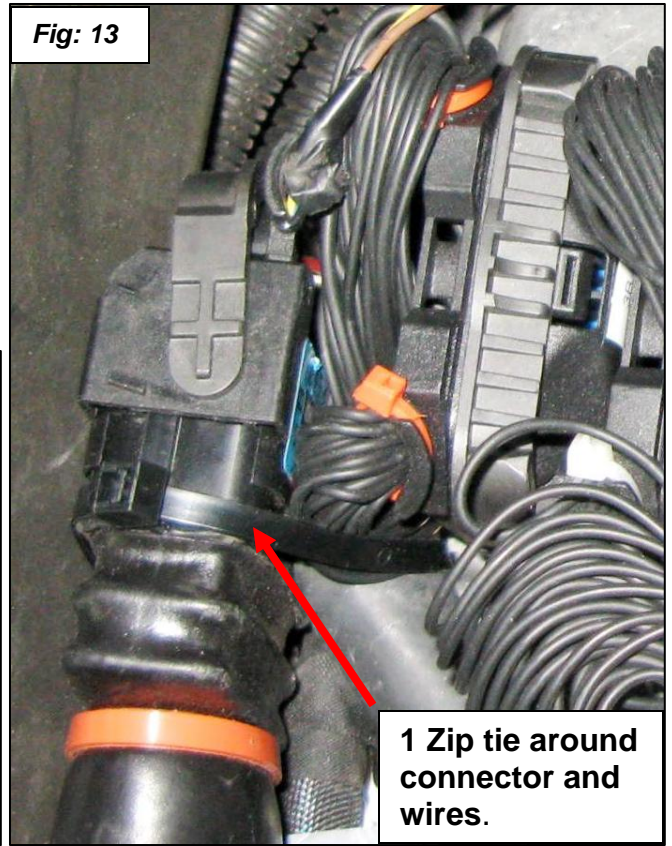


Fig: 13

1 Zip tie around connector and wires.

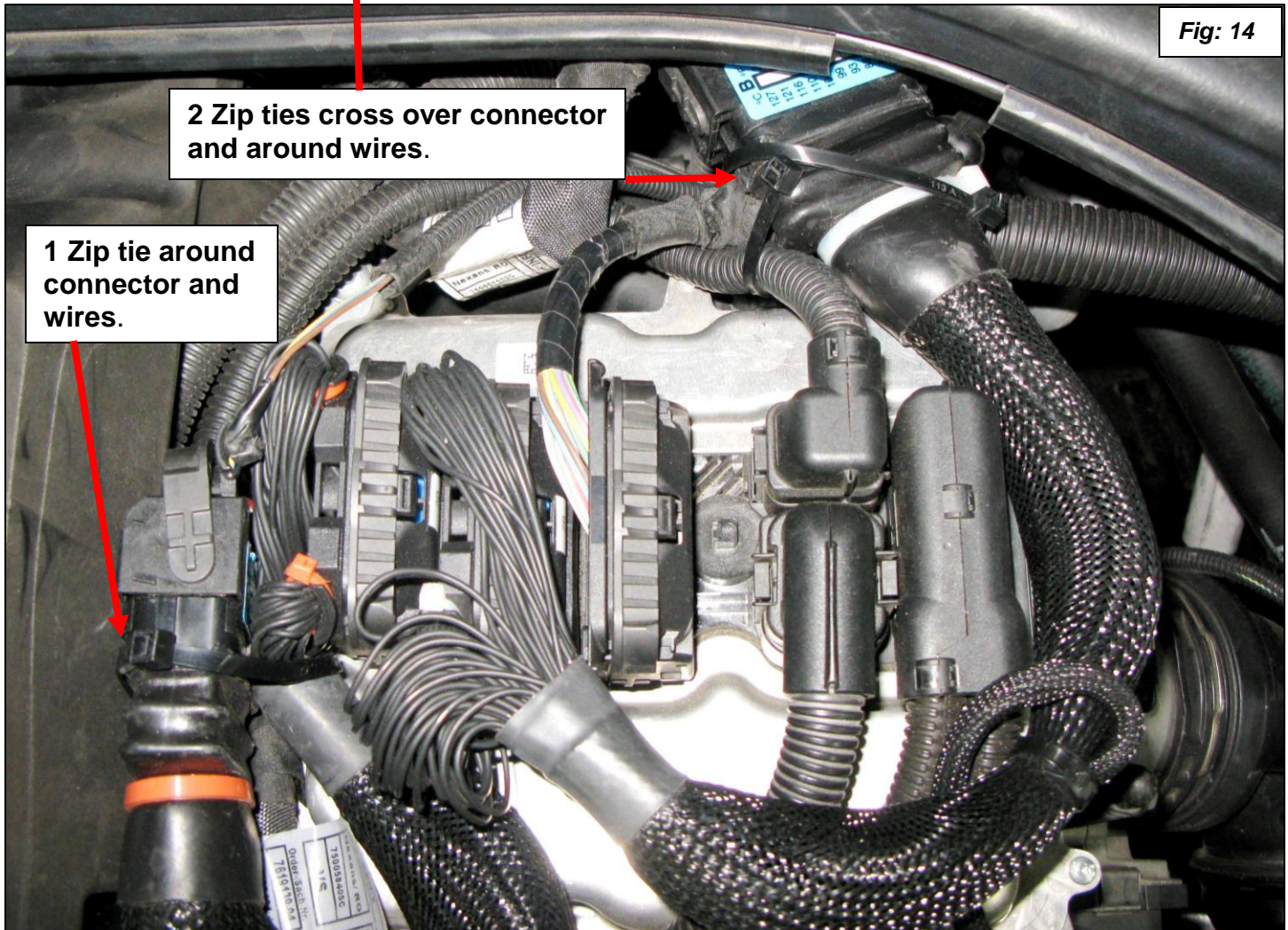


Fig: 14

2 Zip ties cross over connector and around wires.

1 Zip tie around connector and wires.

14. Run the DPT Harness thru the rubber seal as shown in figure 15 and 16.



Fig: 15



Fig: 16

15. Pull the DPT Harness around and run it under the cowl seal as shown in figure 17. Fix the rubber seal back over the cowl seal.

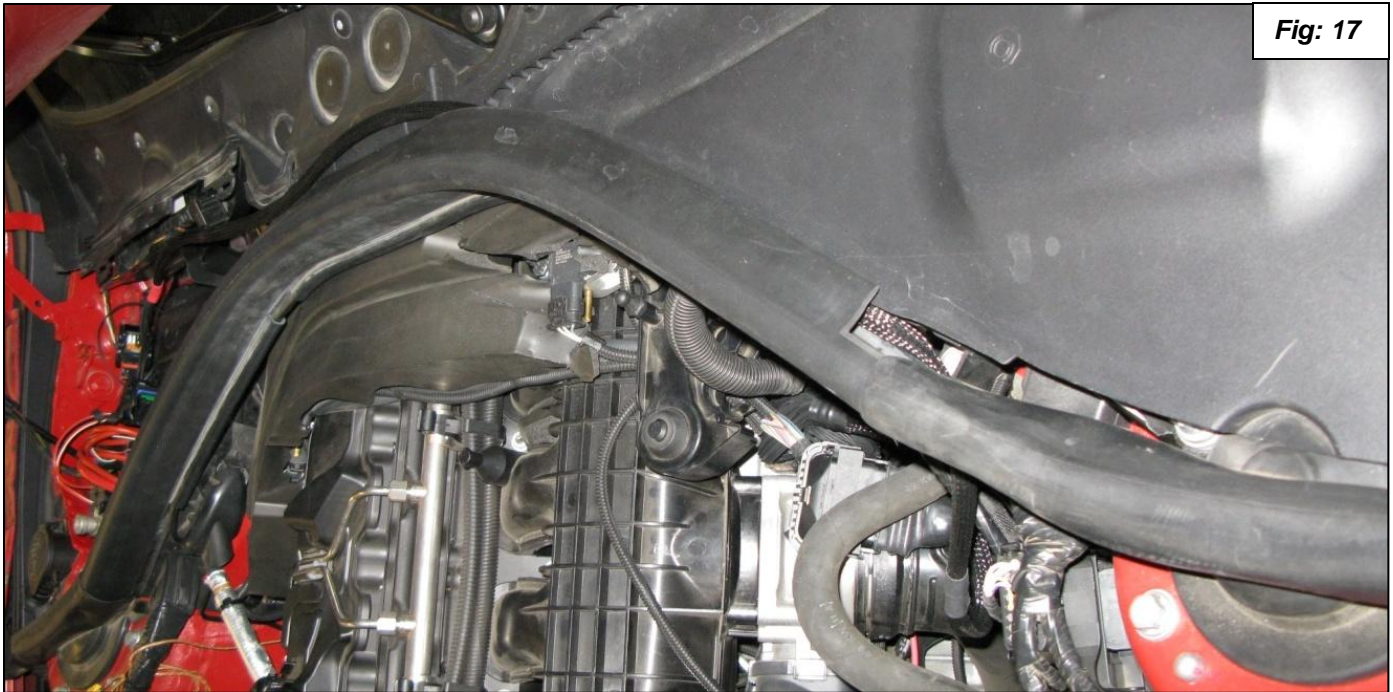


Fig: 17

16. Continue running the harness under the cowl seal as shown in figure 18.

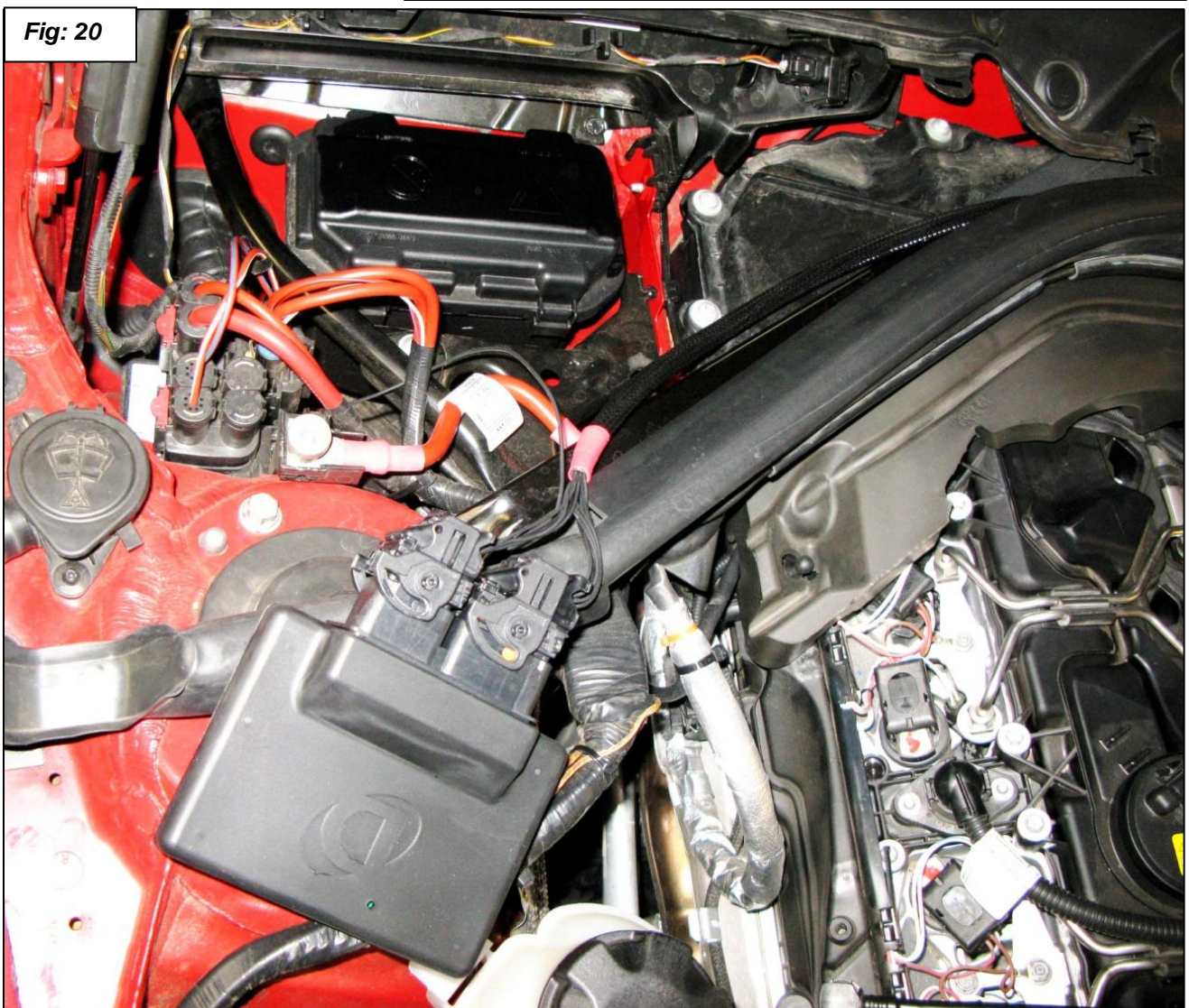


Fig: 18

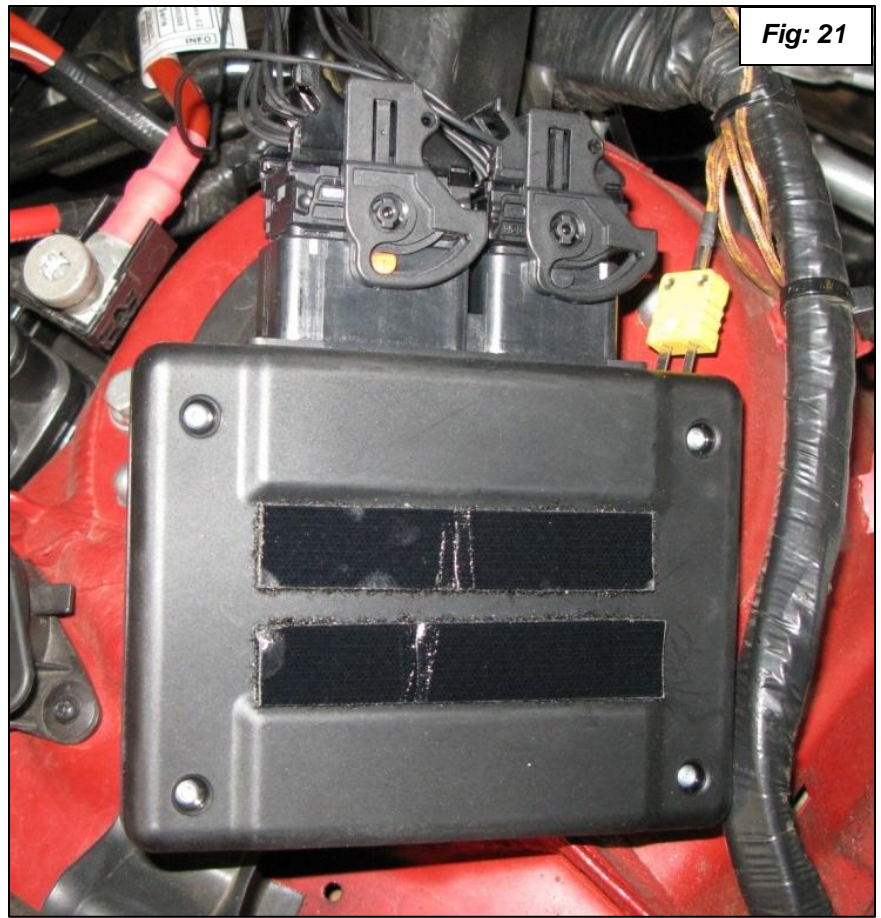
17. Attach Velcro strips using the double stick tape to the back of the DPT ECU. Attach the hard hook part to the box after cleaning the surface first. See figure 19.



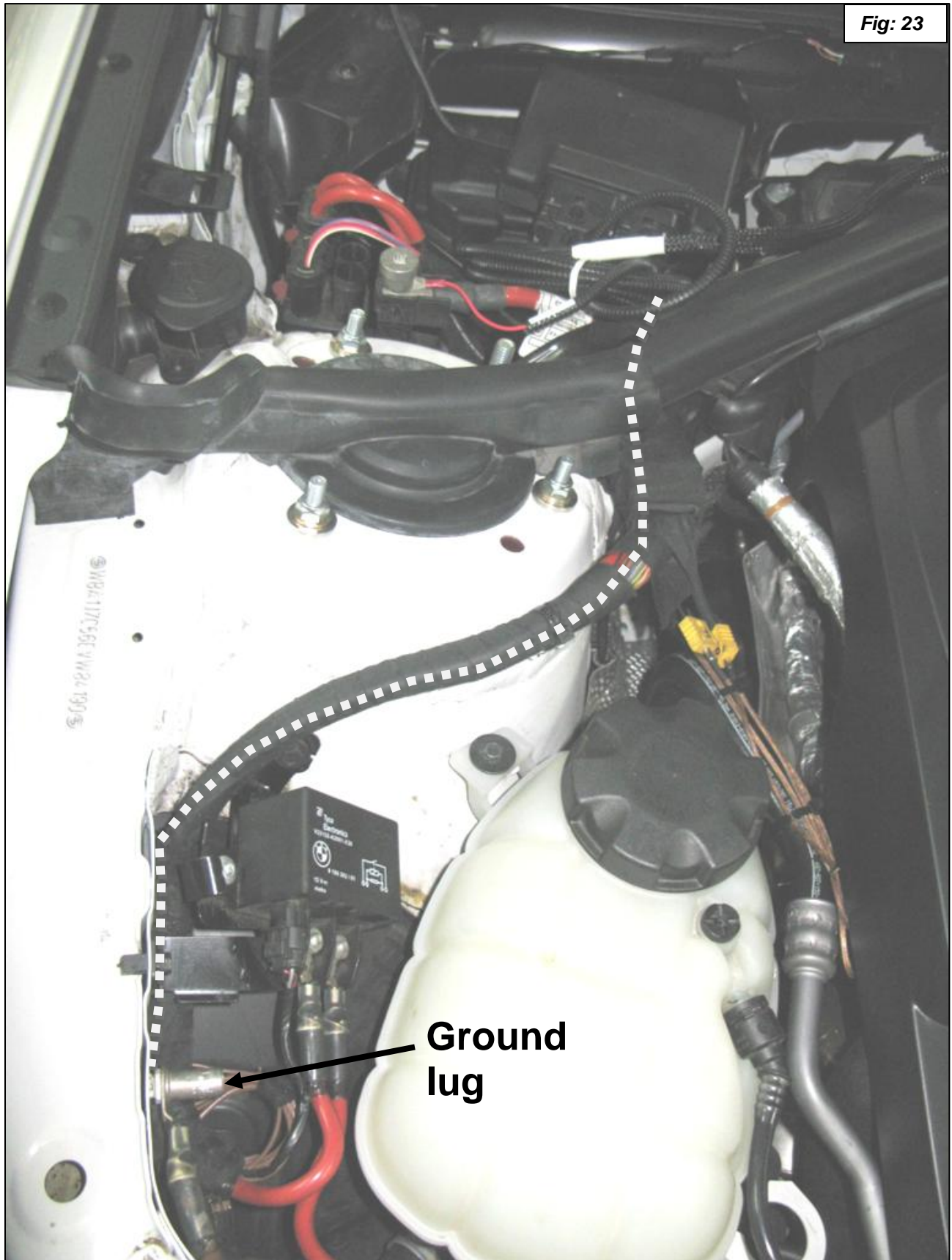
18. Attach the connectors to the DPT ECU starting with the large one first. See figure 20.



19. Clean the Lid of the Power Distribution Box so the Velcro double stick tape will adhere. Peel the cover off the Velcro and adhere the DPT ECU to the Lid. See figures 19, 20 and 21. Connect the power wire to the positive battery lug. Coil the excess wire and secure with a zip tie. See figure 22.



20. If your harness has a external ground wire along with the power wire you need to route it as shown if figure 23. Zip tie it to the stock harness.



21. Reinstall the cowl cover over the DPT ECU as shown in figure 24.

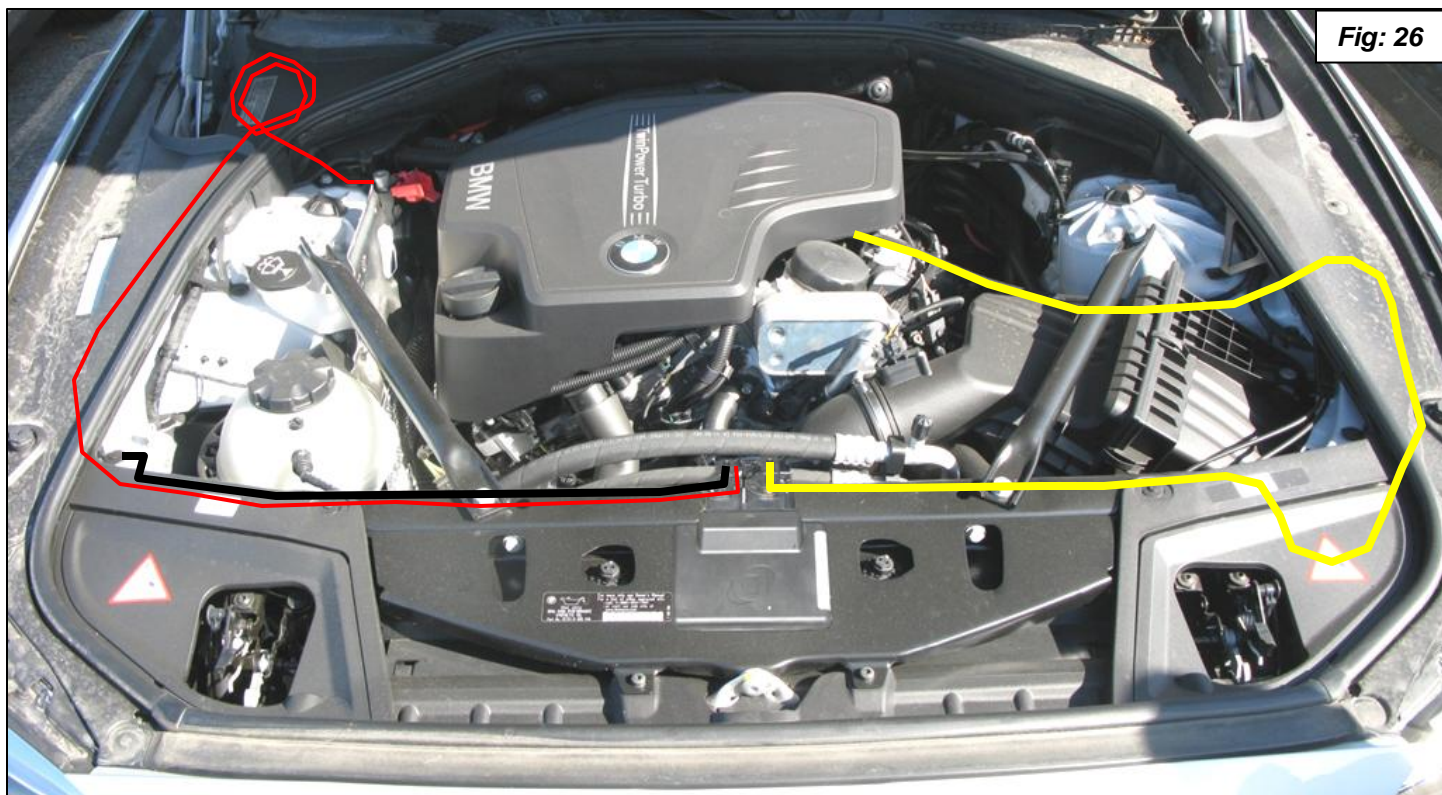


22. Reinstall the engine cover. See figure 25.

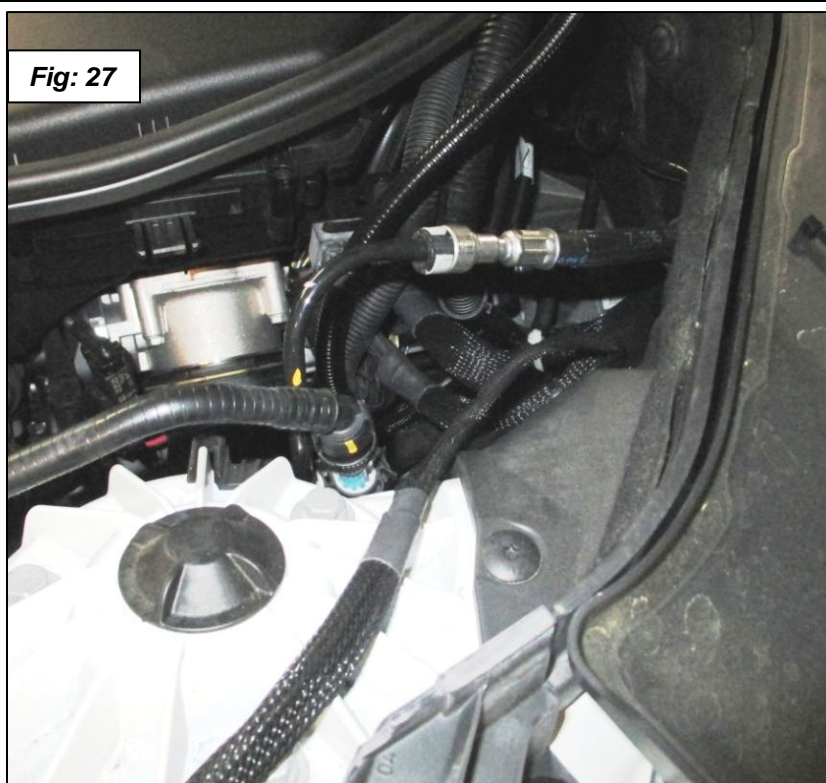


Photos for 528i

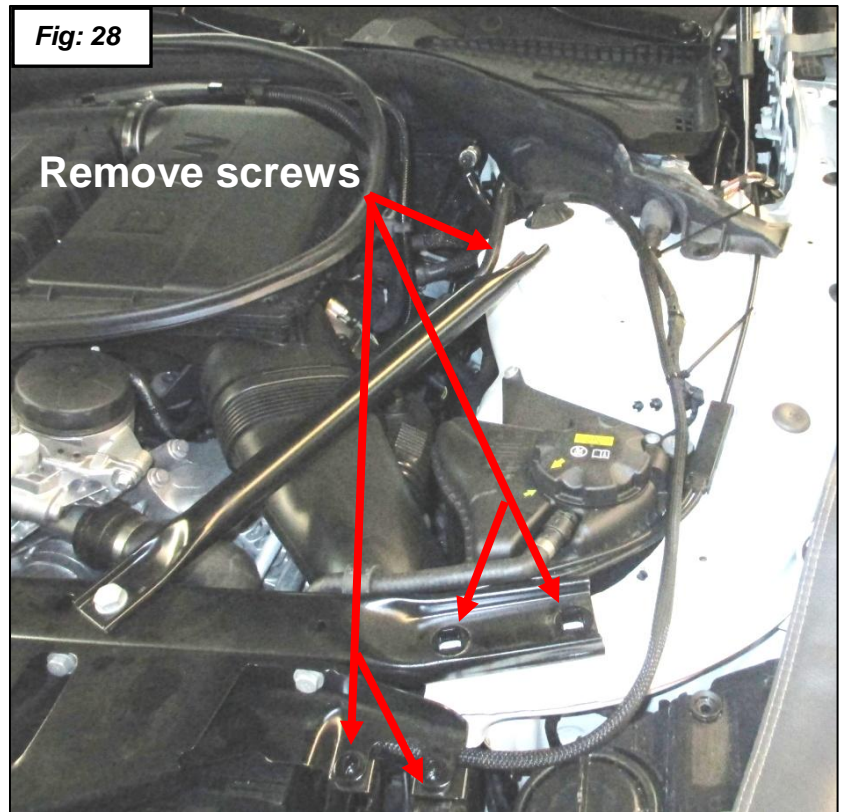
23. Some of the photos and instructions are shared with the 335i. Follow the next steps while looking back at the earlier steps on the 335i for details. Shown below in figure 26 is the overall routing of the harness on a 528i, the DPT ECU is mounted on the radiator support.



24. Look at steps **1 to 13** for details on location of **1B**, **2B** and **3B** connector location, taking note of **Orange** and **White zip ties** being connected to the proper connection.
25. Position the wires coming up from the stock ECU as shown in figure 27. Note: The following photos are of a 6 cylinder F10 but the harness follows the same path.



26. Remove the side covers so you can secure the wire harness to the car in the locations shown with zip ties in the following figures.
27. Remove the screws from the three locations shown in figure 28.



28. Lift up the end of the radiator support slightly so you can slip the wire harness under as shown in figure 29. It helps if you make a loop and push the end of the loop thru first.



29. Attach Velcro strips using the double stick tape to the back of the DPT ECU. Attach the hard hook side of the Velcro to the box after cleaning the surface first. See figure 30.

30. Attach the connectors to the DPT ECU starting with the large one first. See figure 30.

31. Clean the Radiator support so the Velcro double stick tape will adhere. Peel the cover off the Velcro and adhere the DPT ECU to the Bracket lining up the box as shown. See figures 29, 30 and 31.

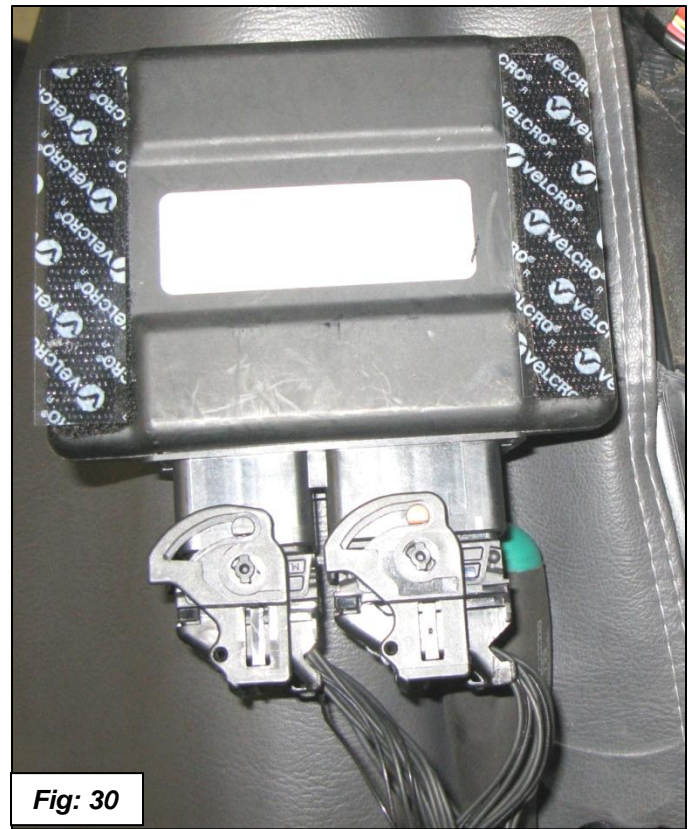


Fig: 30

32. Zip tie the harness to the bracket on the fan shroud as shown in figure 32.

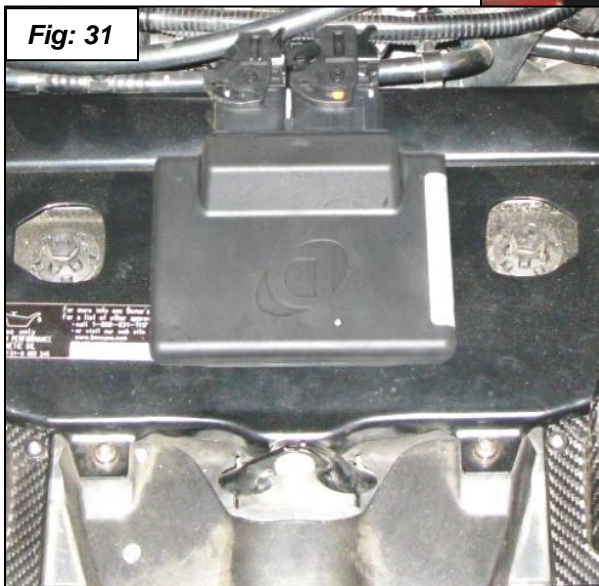


Fig: 31



Fig: 32

33. Work your way back from the DinanTronics ECU with the wire harness securing it. Zip tie the harness to the car at the corner of the hood latch bracket to keep it out of the hood latch. See figure 33. There will be a little extra wire over the top of the head light, make sure you don't pinch it as you install the bolts back onto the radiator support and brace that you removed in step 27.

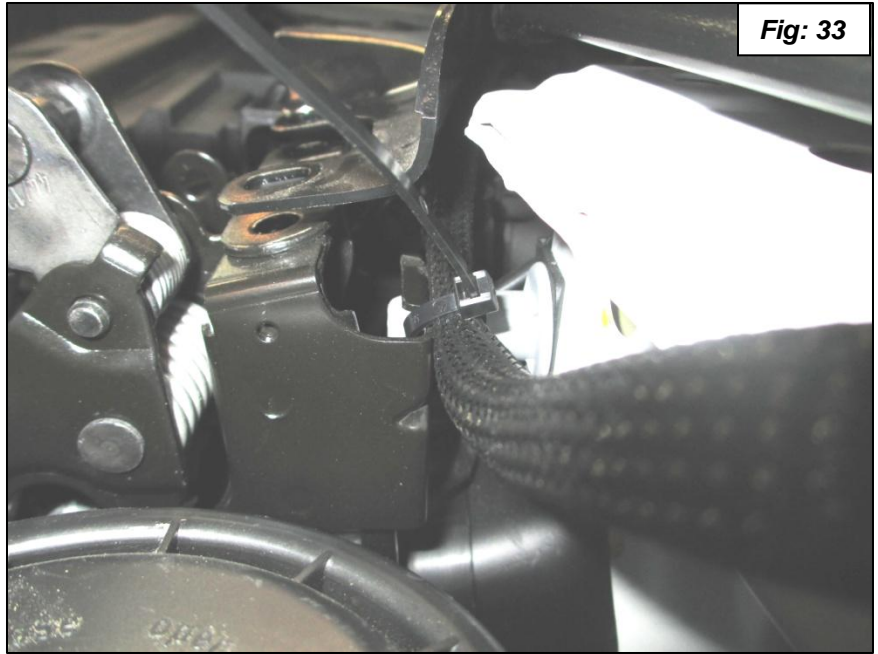


Fig: 33

34. Route the power and ground wires to the power lug and ground lug (if supplied) as shown in figure 26, 34 and 35. Secure them with Zip ties to the fan shroud and the existing harness. There will be extra wire that you can loop around as shown in figure 34.



Fig: 34

35. Install the all the covers.

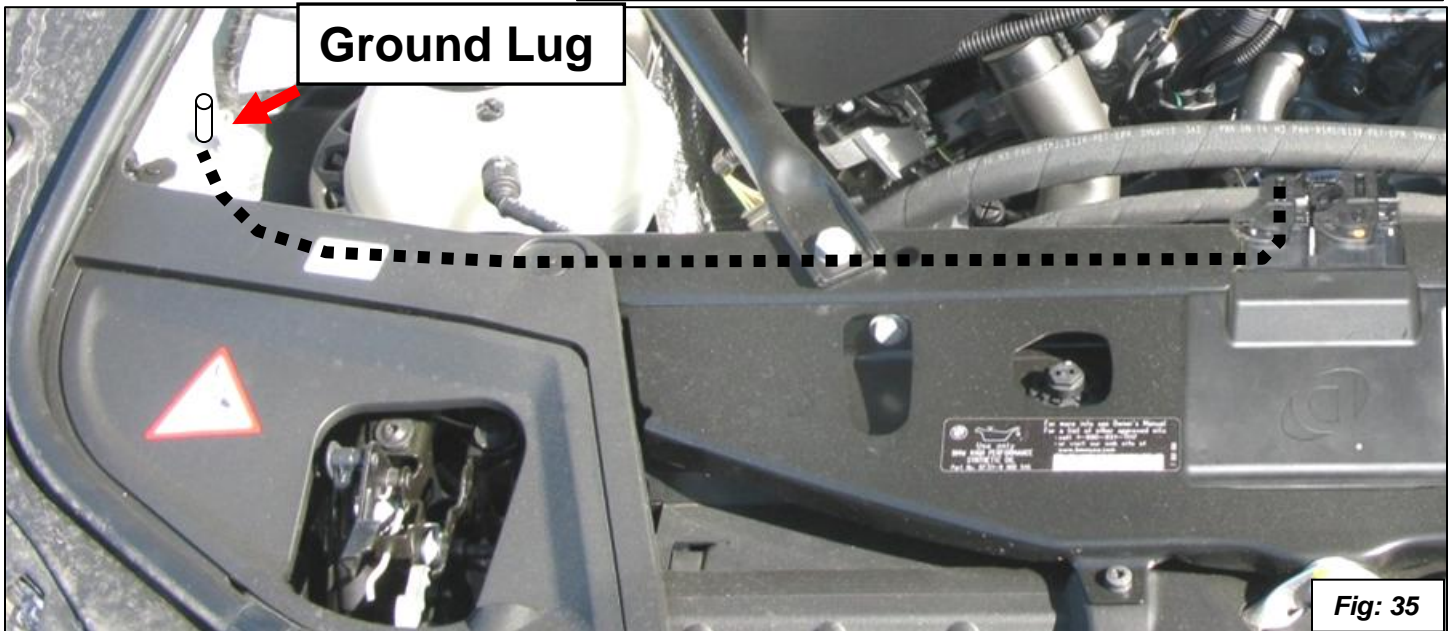


Fig: 35

Supplemental instructions for cars with Pressure Sensor in Vent Line.

Figure 36 shows the ECU with the wire coming from connector **2B** to the pressure sensor attached to the vent hose. Disconnect the connector to the sensor and reroute over the top of the 3 connectors that you don't remove.

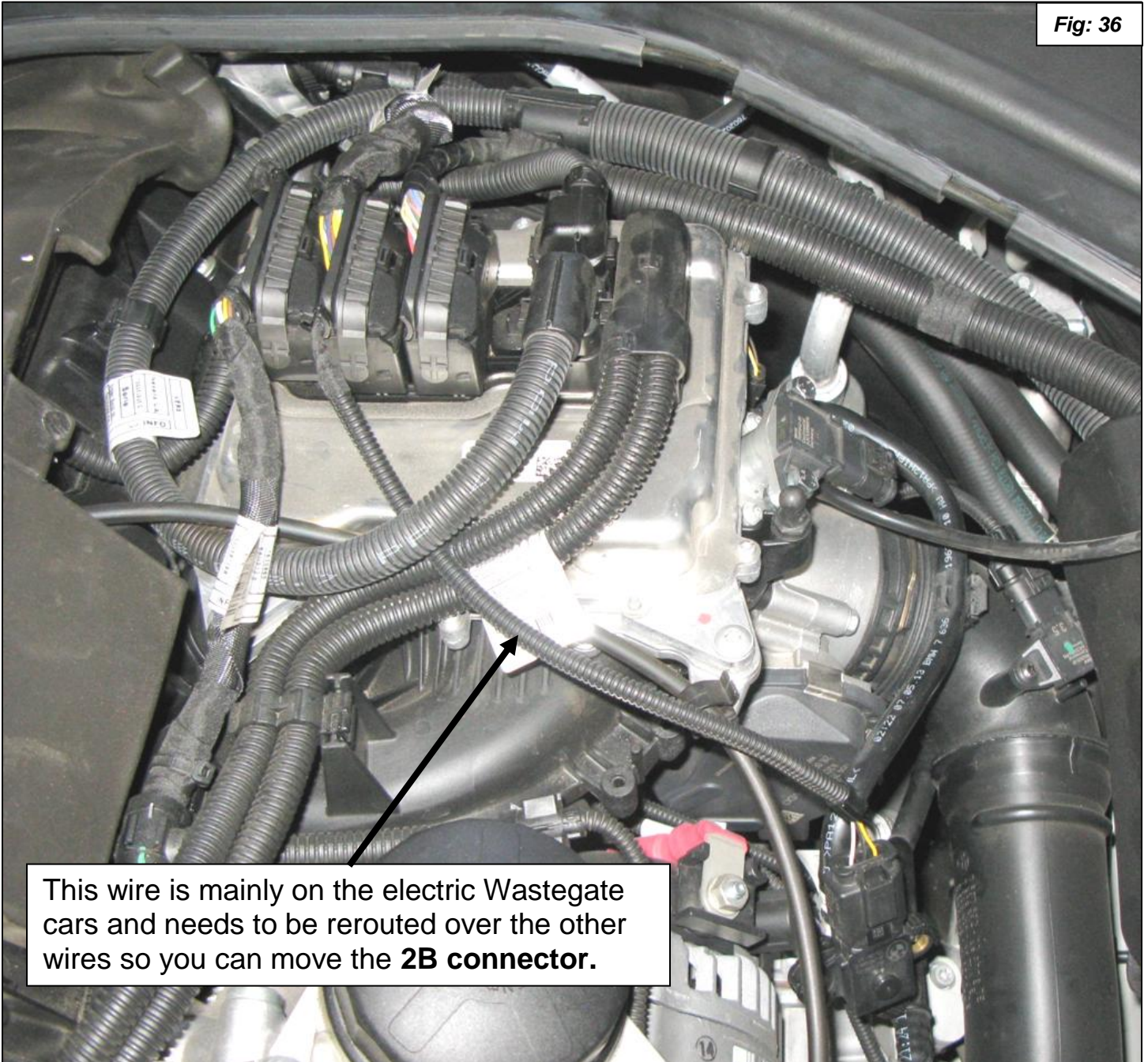


Fig: 36

This wire is mainly on the electric Wastegate cars and needs to be rerouted over the other wires so you can move the **2B** connector.

Disconnect the three connectors referring to step 4 figure 3. See figure 37.

Figure 38 shows the Orange Dot Interrupt section installed with a slightly different routing in compared to steps 8 and 9 and figure 9.

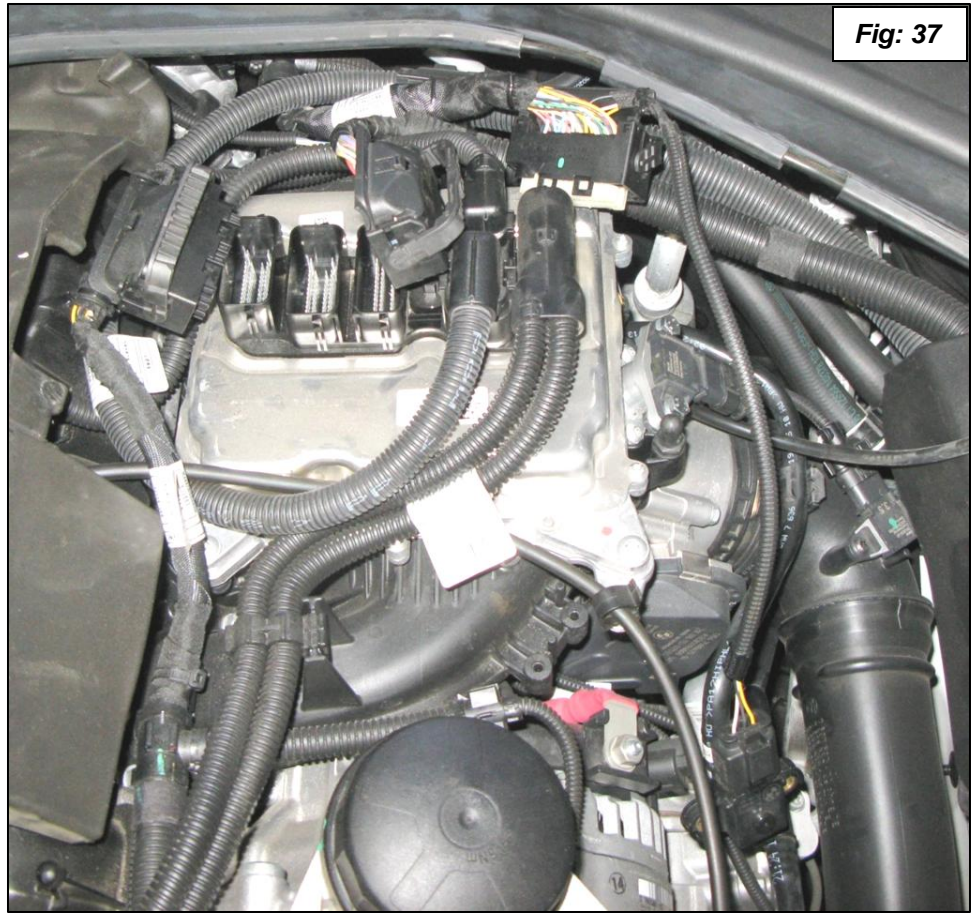


Fig: 37

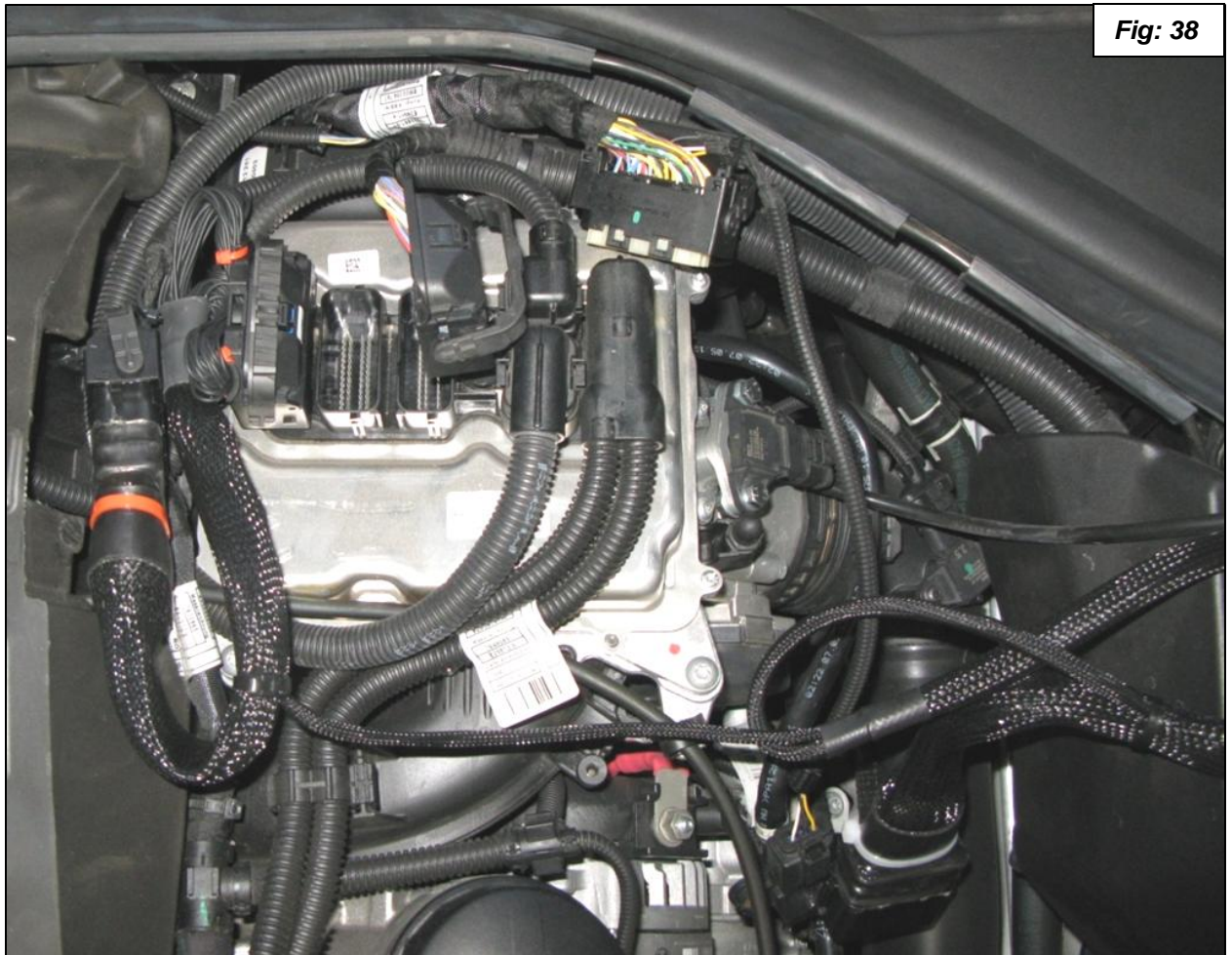


Fig: 38

Figure 39 shows the final routing of the harness with the wire going from stock connector **2B** going to the pressure sensor. Refer to steps 10 thru 14 and figures 10 thru 13. Zip tie the harness as shown. Refer to the instructions to continue on the car you are doing the installation on.

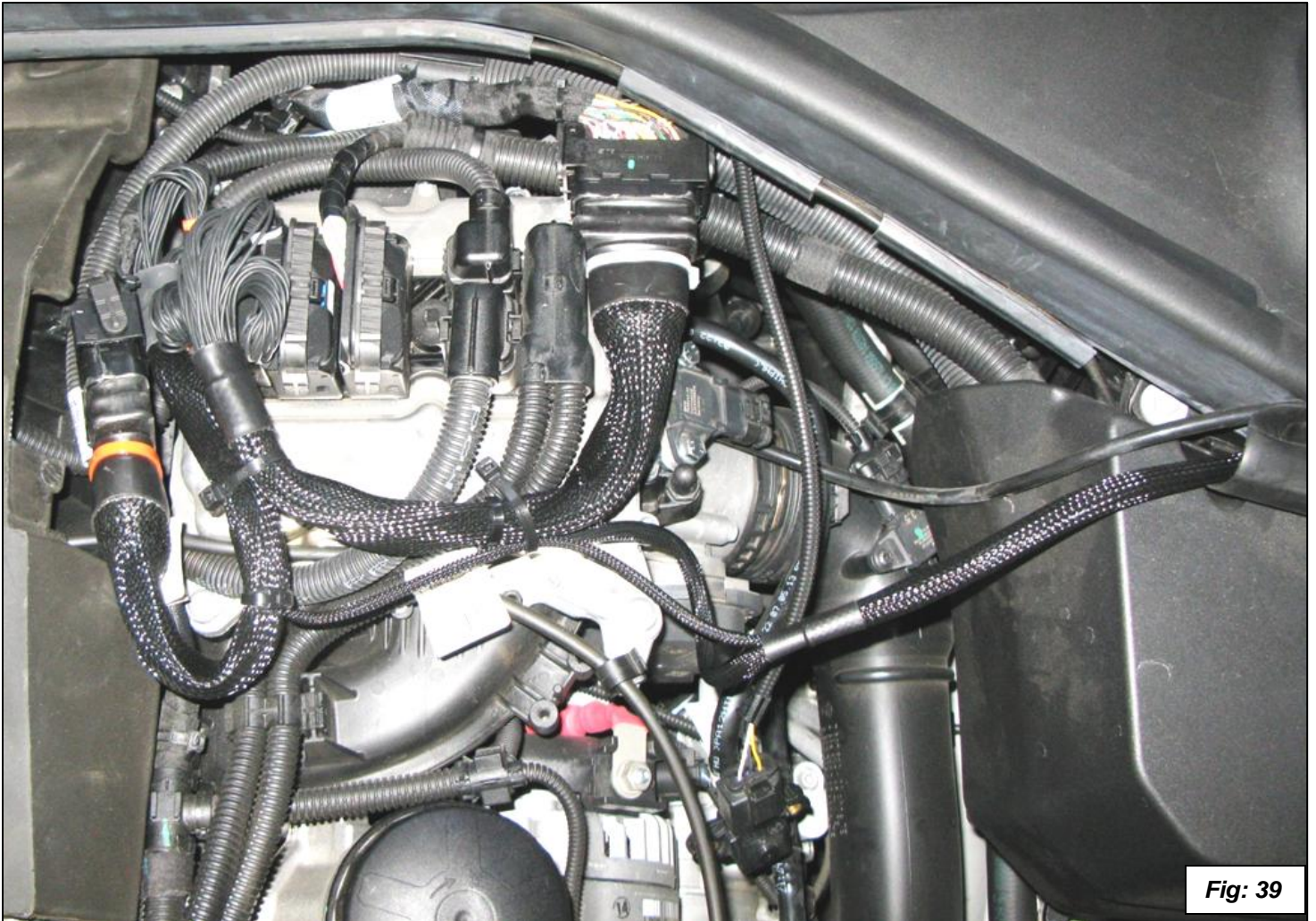


Fig: 39

Note: there is a update to add a wire clip on the hose by the sensor to protect the connectors in the sensor. See: FUB-HIL-HI-160001-A15 Pressure sensor wiring harness, Venturi nozzle.

Item	Explanation	Item	Explanation
1	Pressure sensor, Venturi nozzle	2	Pressure sensor wiring harness
3	Tank ventilation line	4	Clip as bracket



Fig: 40

Steps for All Cars Before starting

36. If necessary, program the DPT ECU following the instructions supplied with it.
Make sure you install the correct program with the type of Wastegate that your car has.

37. Check & clear faults before starting engine:
 - Turn the ignition on without starting by pressing start button without stepping on brake or clutch pedals.
 - Check for faults.
 - Clear any faults found.
 - Repeat process as necessary until no faults are found.
 - The engine may be started once the fault memory remains clear.



F25 X3 F26 X4 E84 X1 E89 Z4
Supplemental Install Kit
4 and 6 Cylinder Harness

INSTALLATION INSTRUCTIONS

PART NUMBER:

D443-0029

APPLICATION:

2013-15 E84 X1 sDrive/xDrive 28i
2013-16 F25 X3 sDrive/xDrive 28i
2013-16 F25 X3 xDrive 35i
2015-16 F26 X4 xDrive 28i
2015-16 F26 X4 xDrive 35i
2012-16 E89 Z4 sDrive 28i

Congratulations for being selective enough to use a DINANTRONICS Performance Tuner (DPT). We have spent many hours developing this system to assure that you will receive maximum performance and durability with minimum difficulty in installation.

Please take the time to read these instructions thoroughly before proceeding. When performing the installation, read the entire numbered instruction before working on the car. If you feel that you do not have the requisite skill, please arrange for a qualified repair facility to perform the installation.

Notes:

- Evaluate and repair all faults stored in the ECU memories before installing any Dinan components.
- The harness must have a **WHITE BAND** near the DPT ECU connectors if it's for a 6 Cylinder, and a **BLACK BAND** if it's for a 4 Cylinder as shown below.

D440-0026 Harness for 6 Cylinder



D440-0022 Harness for 4 Cylinder

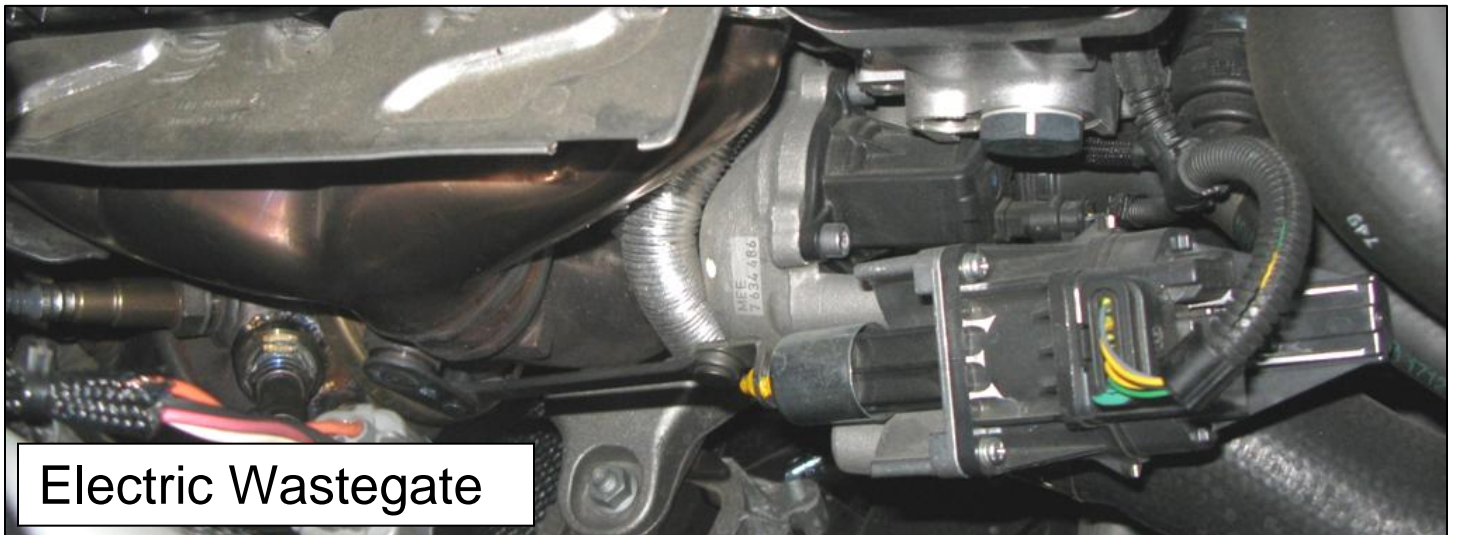
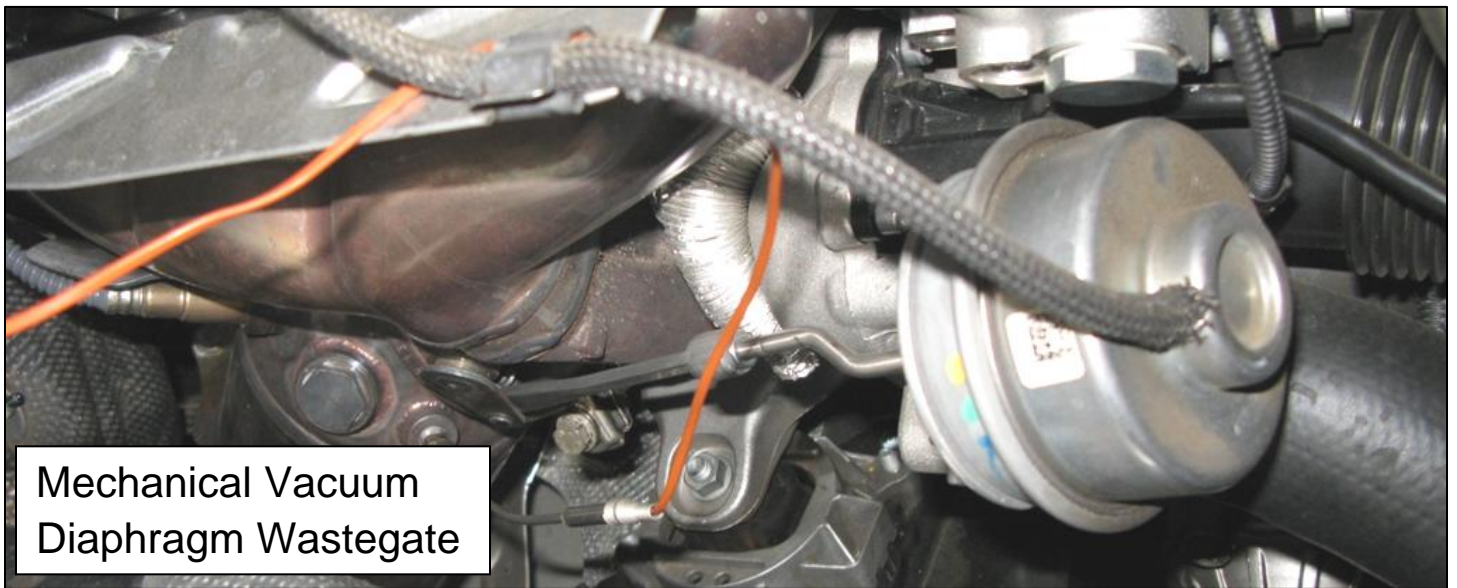


Warning!

Check Waste Gate on Turbo 4 Cyl.

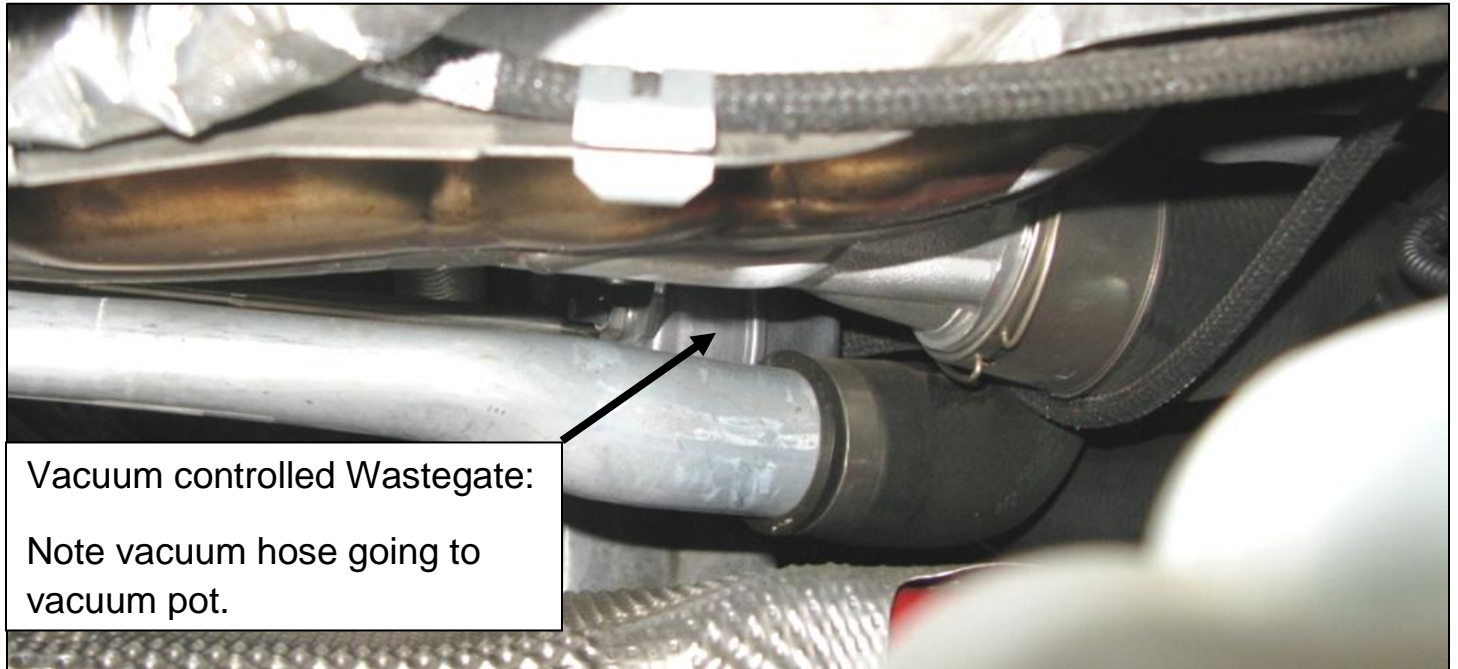
Look at the turbo to determine which type of waste gate is installed on your car.

When programming you must enter the correct style of Wastegate



Check Waste Gate on Turbo 6 Cyl.

Look at the turbo to determine which type of waste gate is installed on your car.
When programming you must enter the correct style of Wastegate.

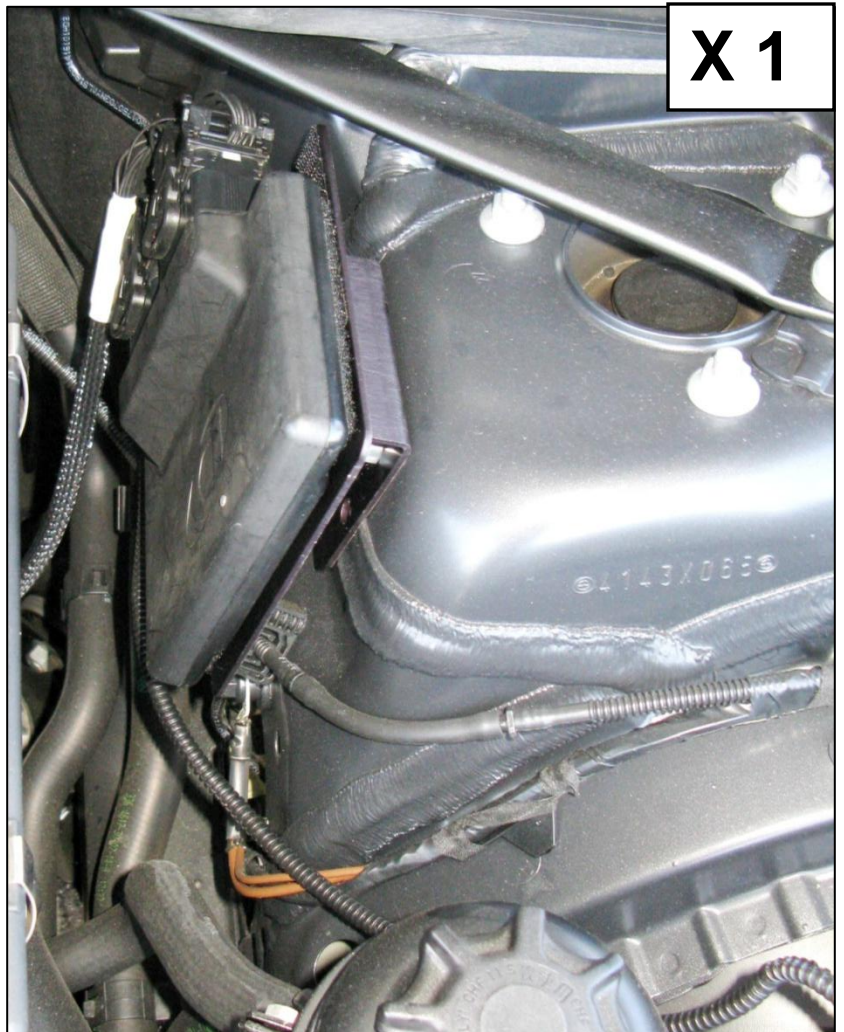
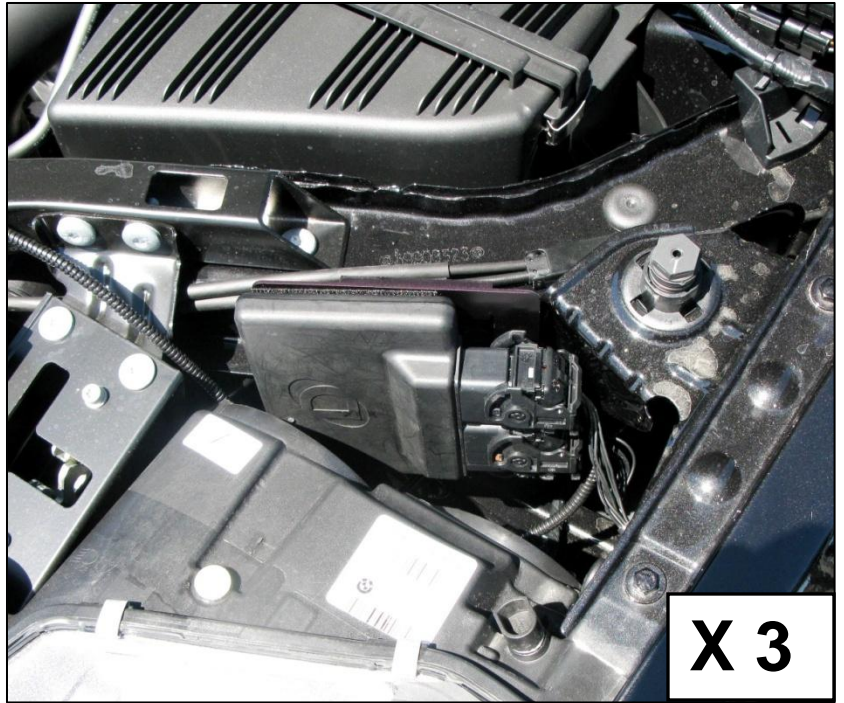
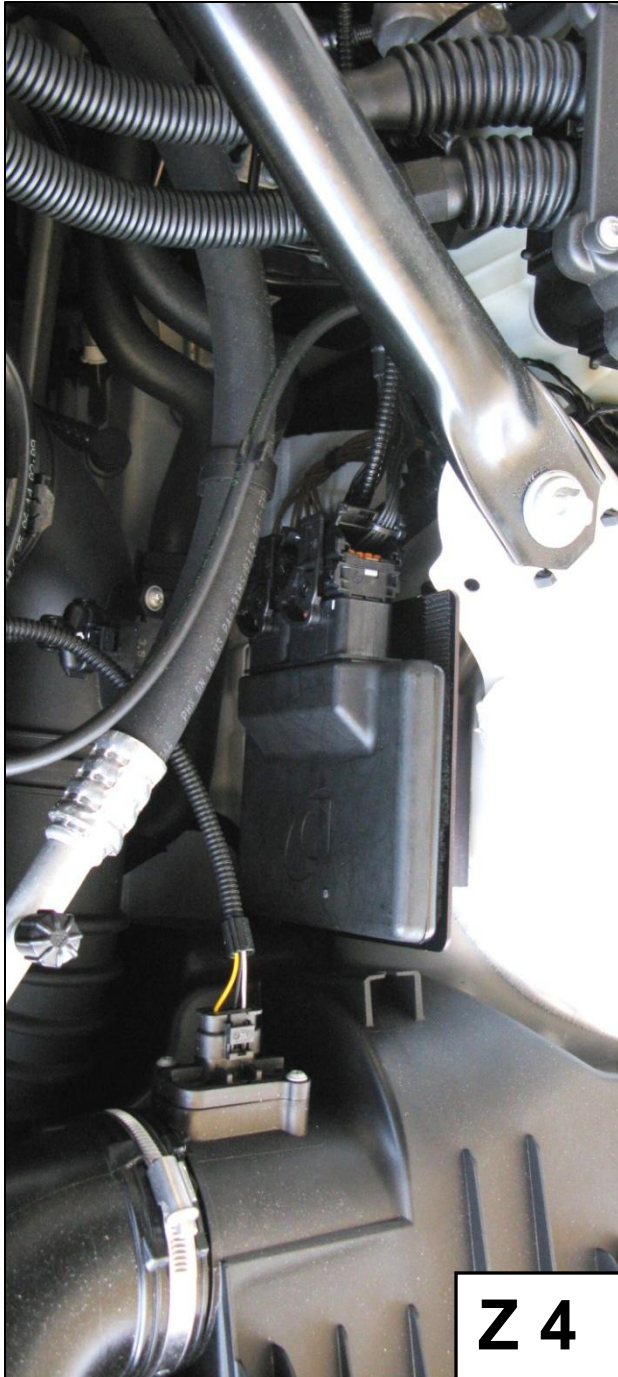


Warning!

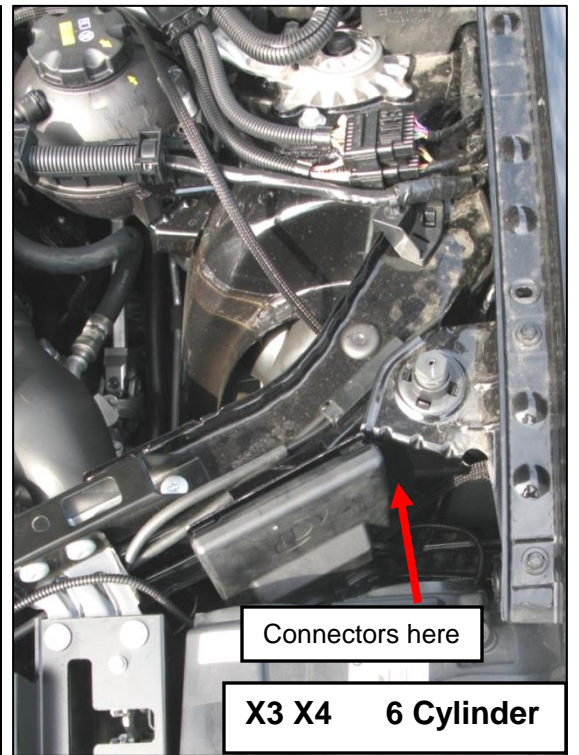
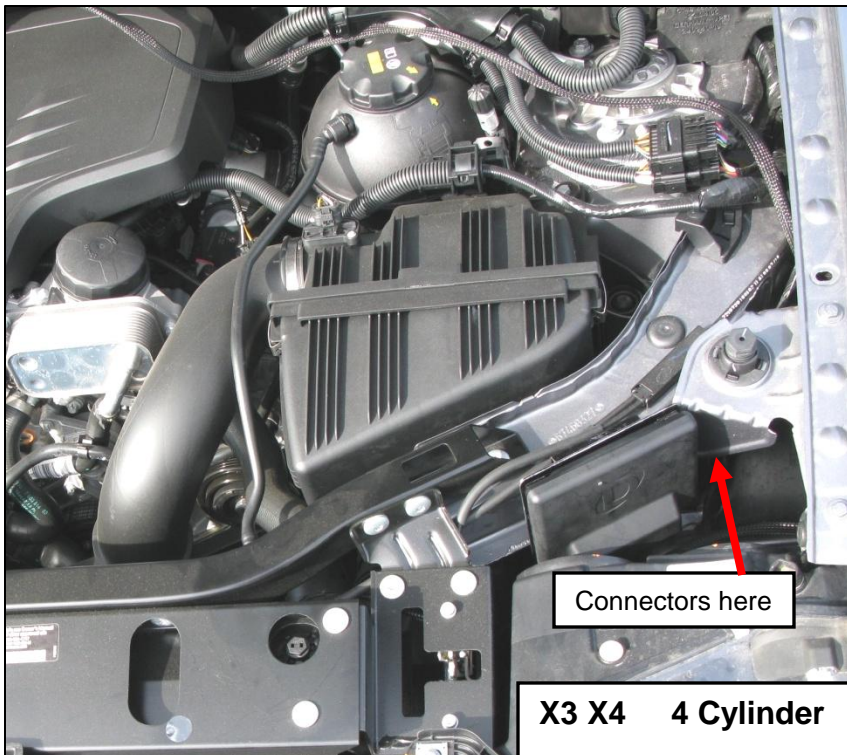
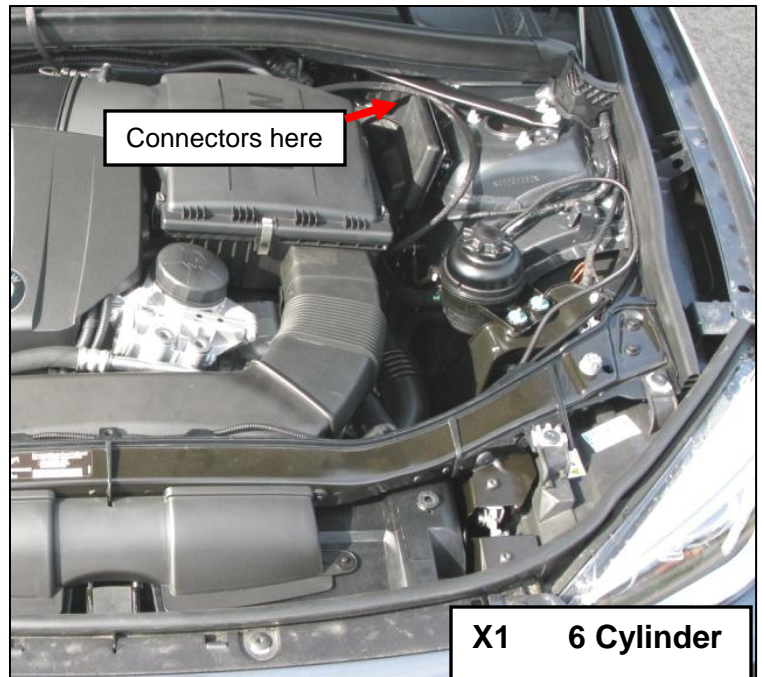
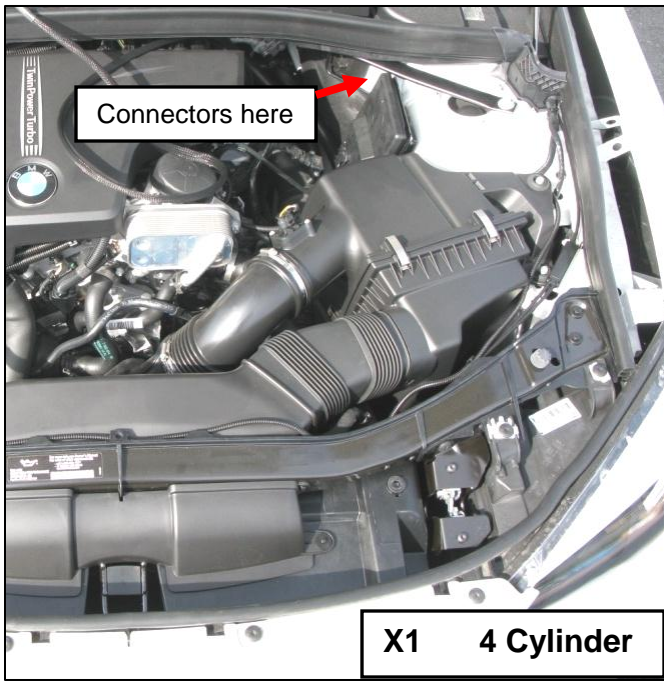
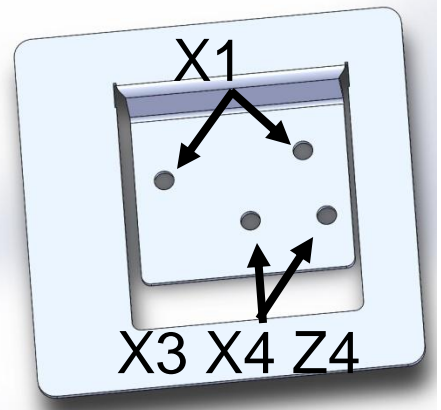
Damage will occur if you do not follow instructions and install harness correctly. Read and follow instructions step-by-step, making sure you plug harness in the correct position. Run the wires along the paths shown -- if you route them over the exhaust, they will melt!

Update: DinanTronics box reposition.

The DINANTronics box must be mounted with the connectors on the side as shown in the following photos.



There is one bracket that fits the X1, X3, X4 and Z4. It holds the DinanTronics box in each vehicle for both the 4 cylinder and 6 cylinder engines. The X1 mounts to two studs on the side of the spring strut tower. The X3 and X4 mounts the bracket between the radiator support cross member and the fender bracket. The Z4 mounts to strut tower on the driver's side.



X3 X4 N55 6 Cylinder Install

1. Follow the first part of instructions **D440-0026** describing connecting to the engine control unit on the **N55** 6 cylinder engine. The difference of the installation on the X3 X4 is where you mount the DinanTronics box and the wire routing to and from it.
2. Remove the two bolts that hold the fender bracket to the crossover strut. See figure 1.

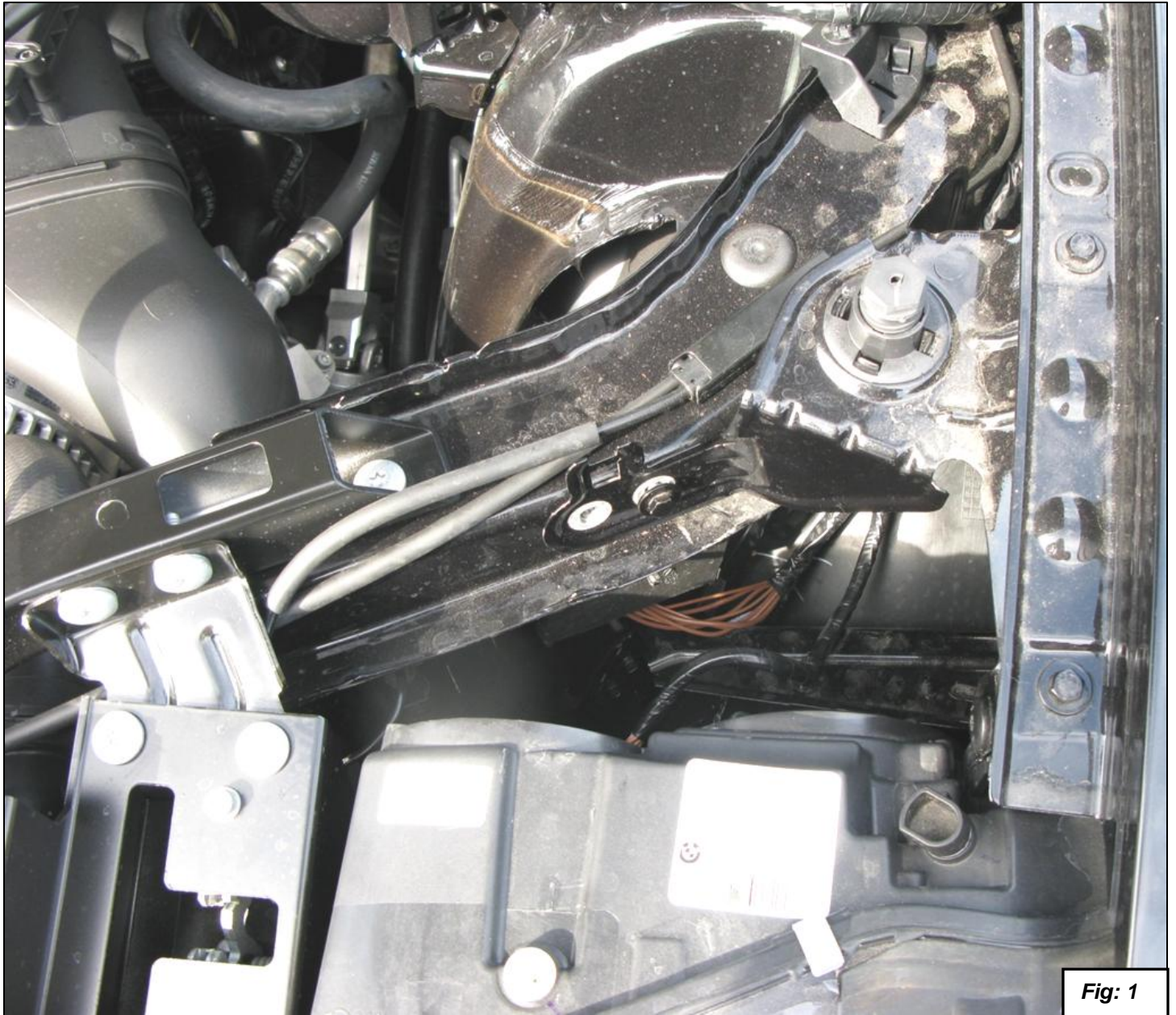


Fig: 1

- Slide the DINANTronics mounting bracket between the fender bracket and the crossover strut, lining up the two bottom holes as shown in figures 2 and 3.

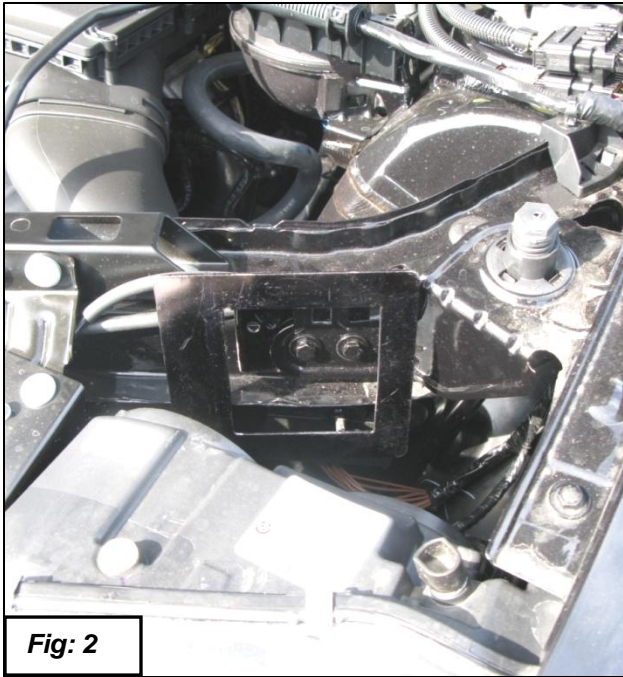


Fig: 2



Fig: 3

- Route the wires for the DINANTronics box to the bracket area going underneath the frame rail and bring it up to the DINANTronics box behind the headlight. See figure 4.

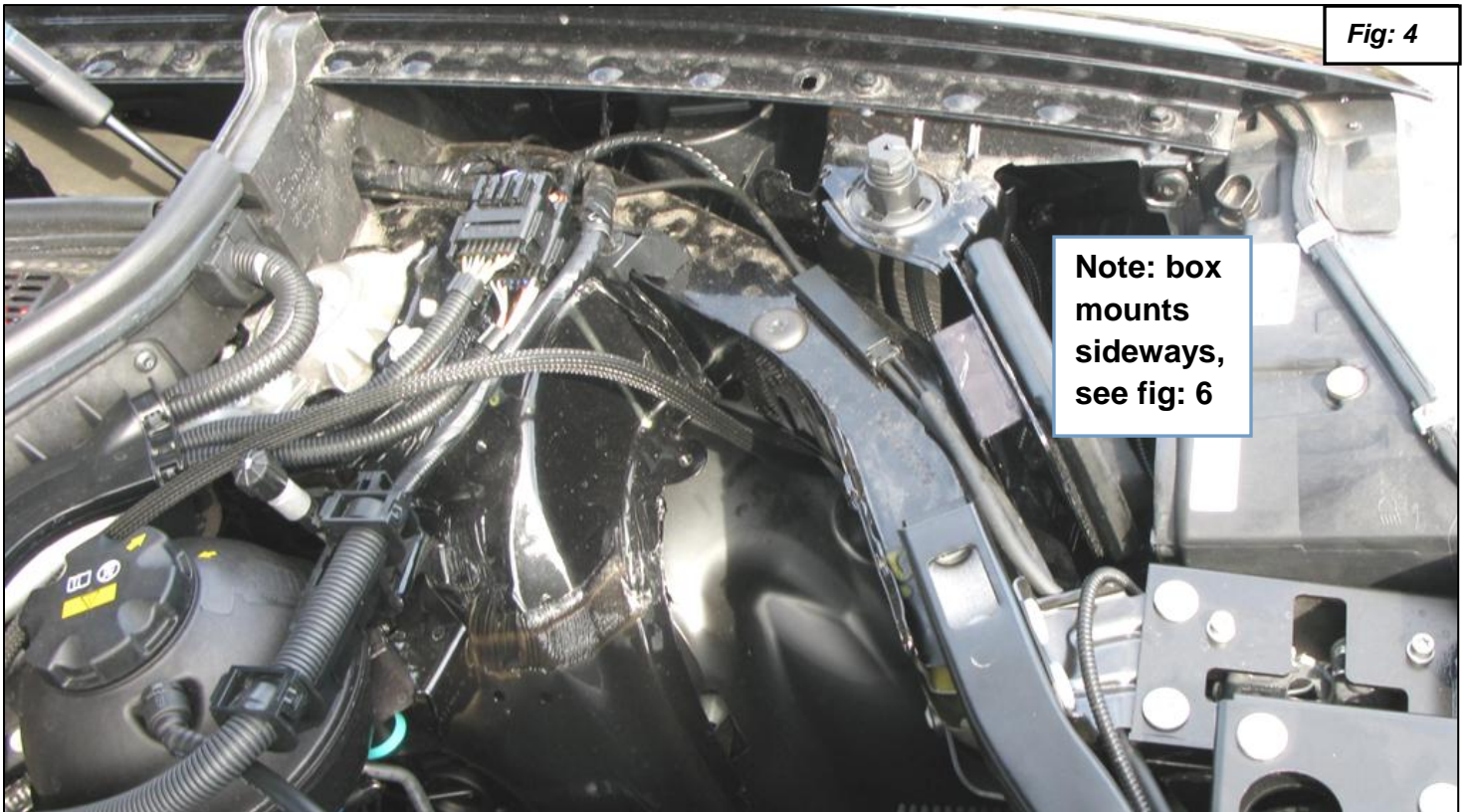


Fig: 4

**Note: box
mounts
sideways,
see fig: 6**

5. Attach Velcro strips using the double stick tape to the back of the DPT ECU. Attach the hard hook side of the Velcro to the box after cleaning the surface first. See figure 5.
6. Attach the connectors to the DPT ECU starting with the large one first. See figure 5.
7. Clean the DINANTRONICS Bracket so the Velcro double stick tape will adhere. Peel the cover off the Velcro and adhere the DPT ECU to the Bracket lining up the box as shown. See figure 6.

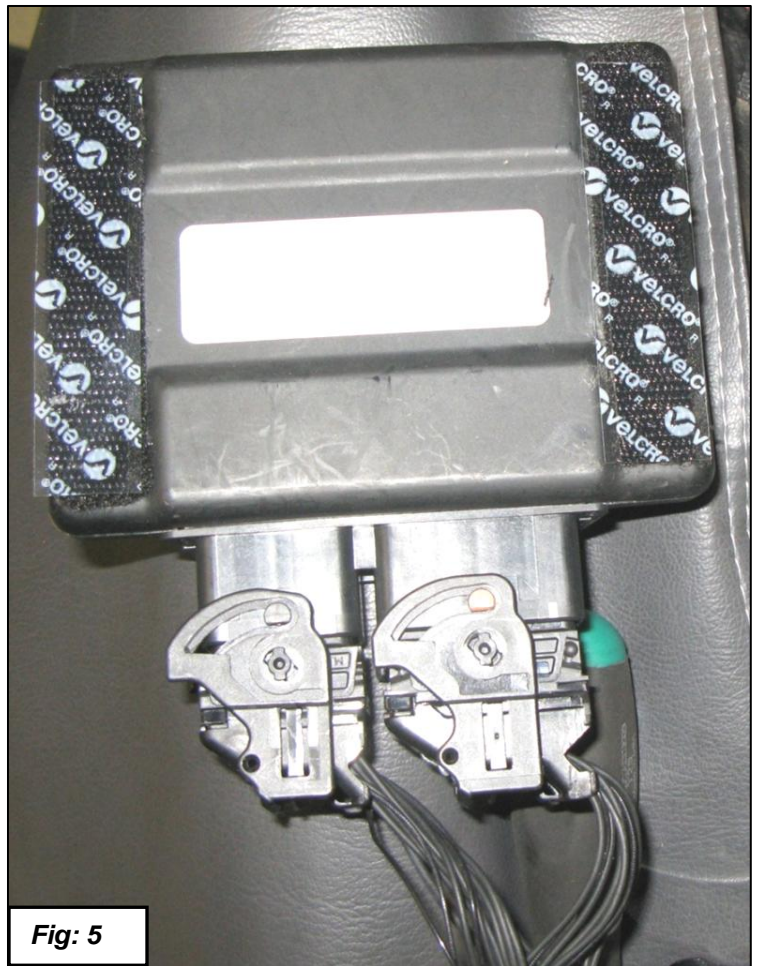


Fig: 5

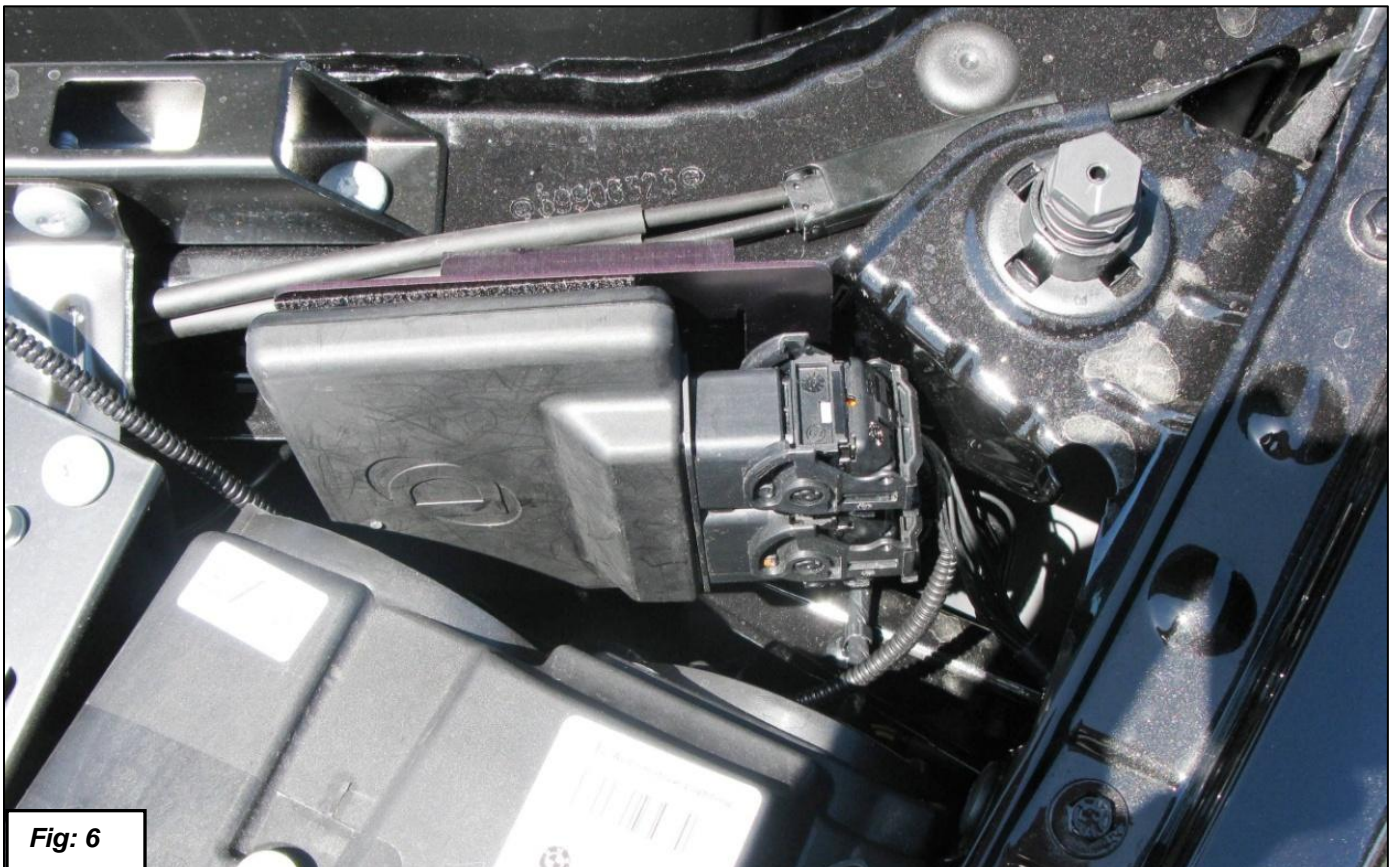
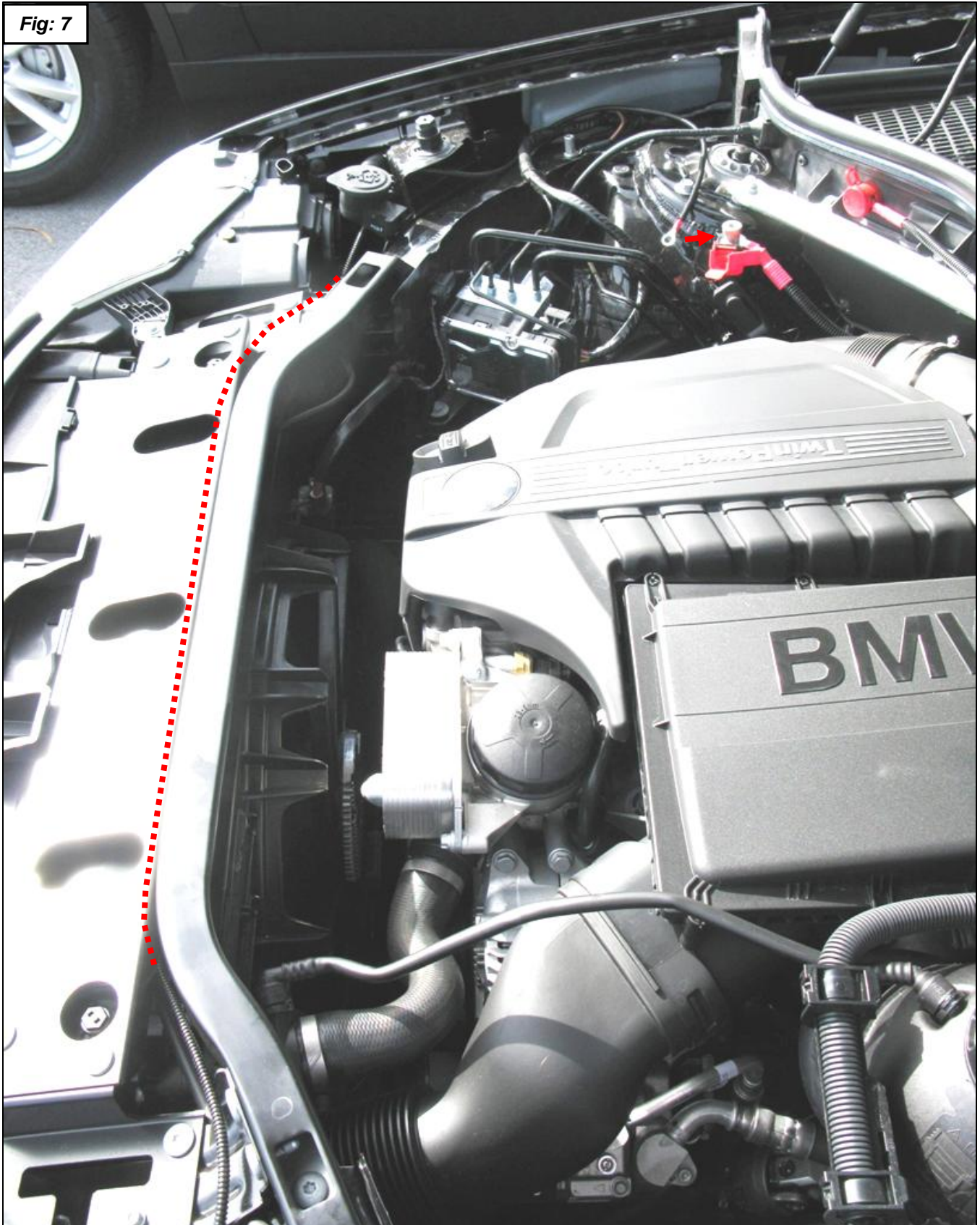
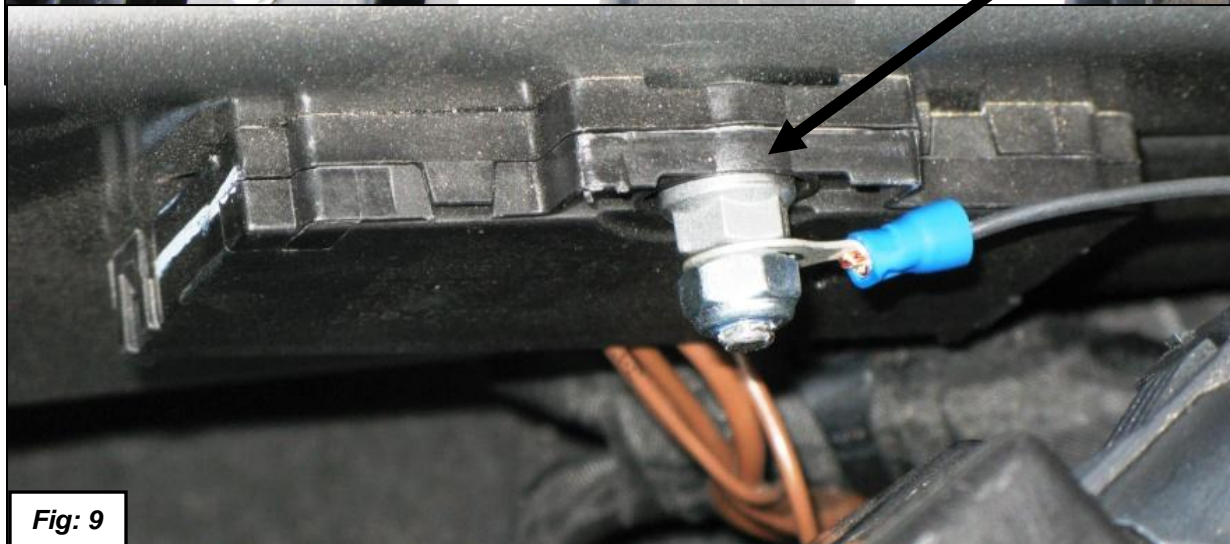
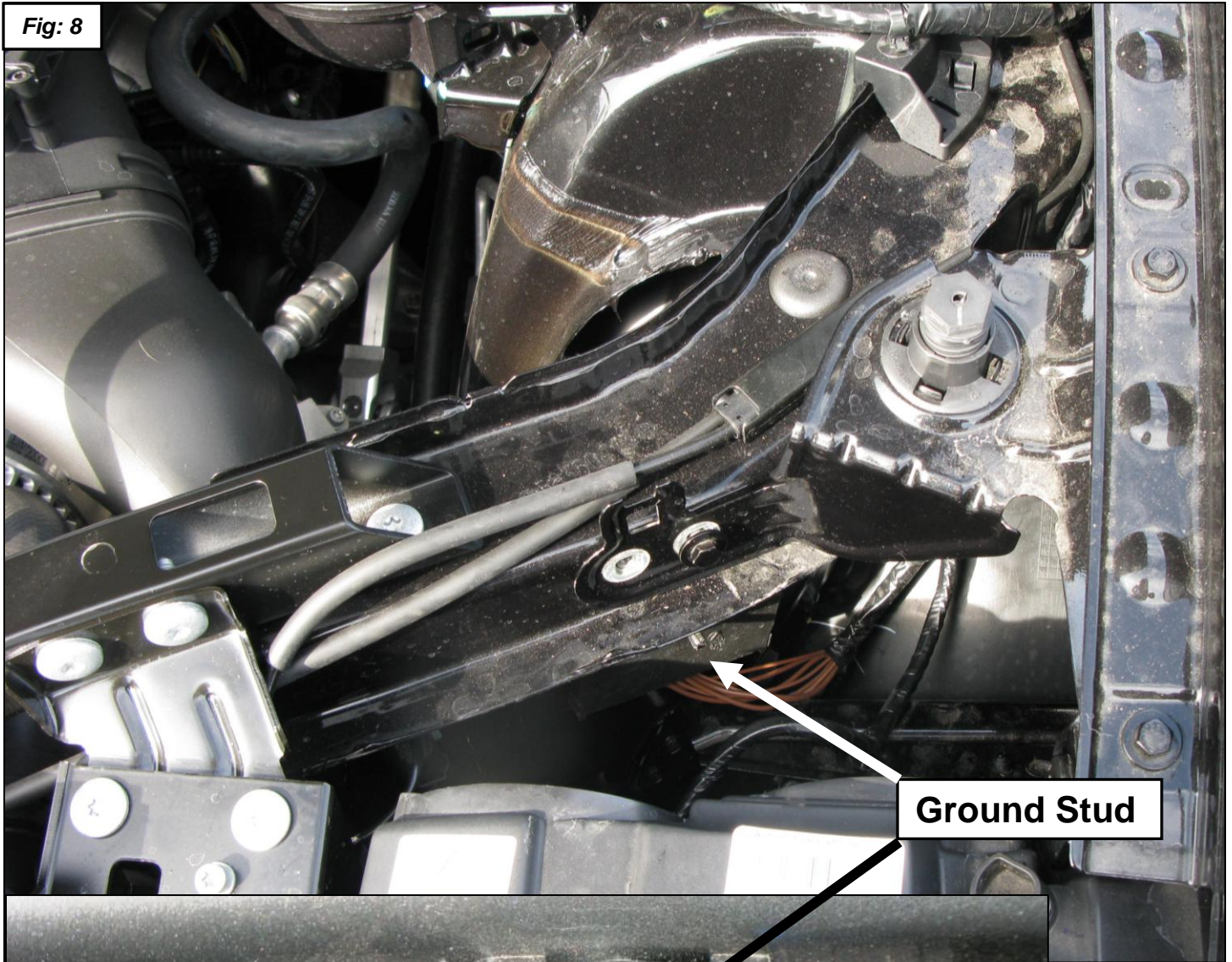


Fig: 6

8. Route the power wire from the DinanTronics box along the front of the vehicle as shown in figure 7. Zip tie as needed to keep wires out of harm's way.

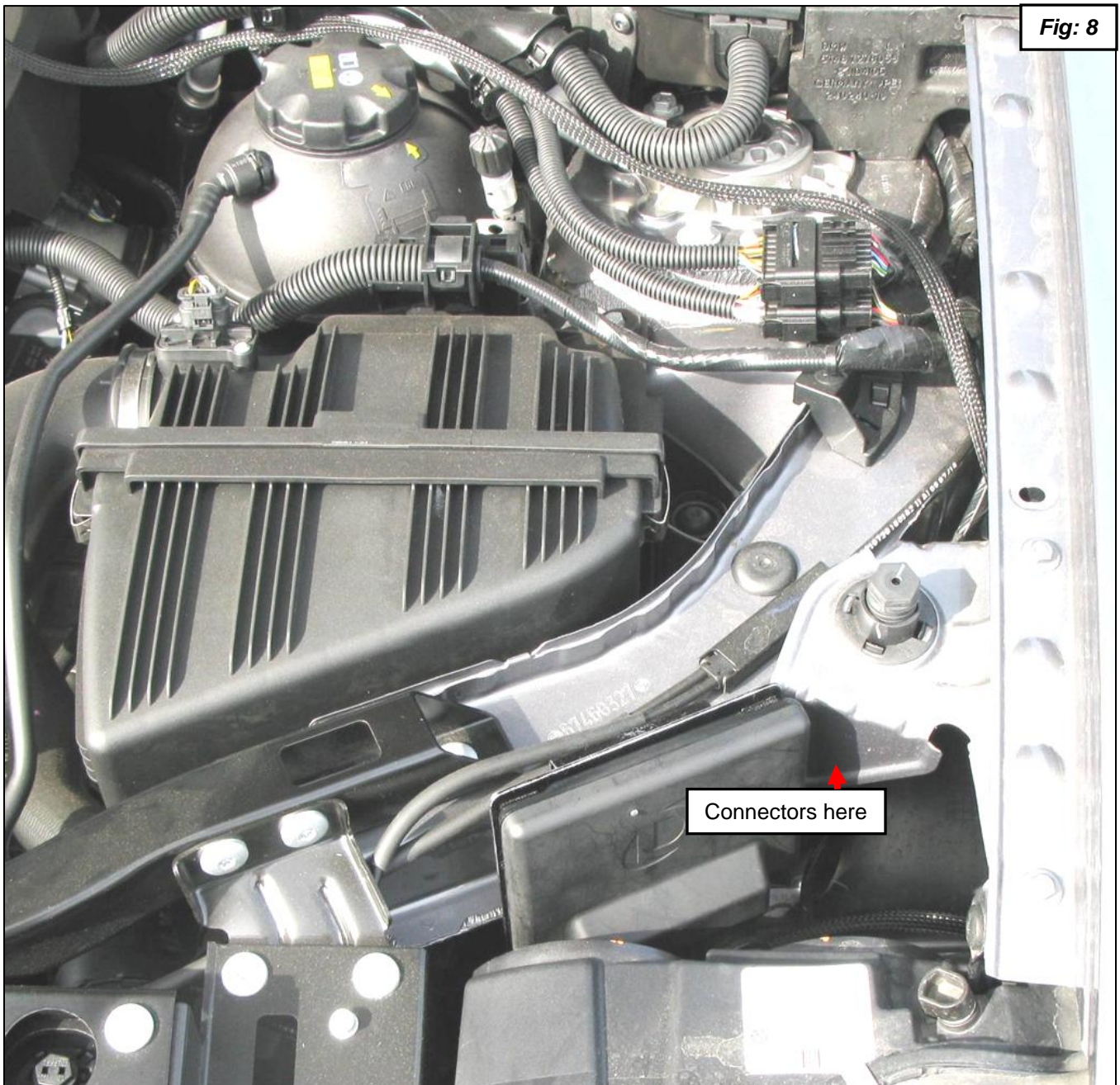


9. If your harness has a external ground wire along with the power wire you need to route it as shown in figures 8 and 9. Zip tie it to the stock harness. Add the supplied M6 Nylok to the stud on the ground comb under the DINANTronics bracket. See figures 8 and 9.



X3 X4 N20 4 Cylinder Install

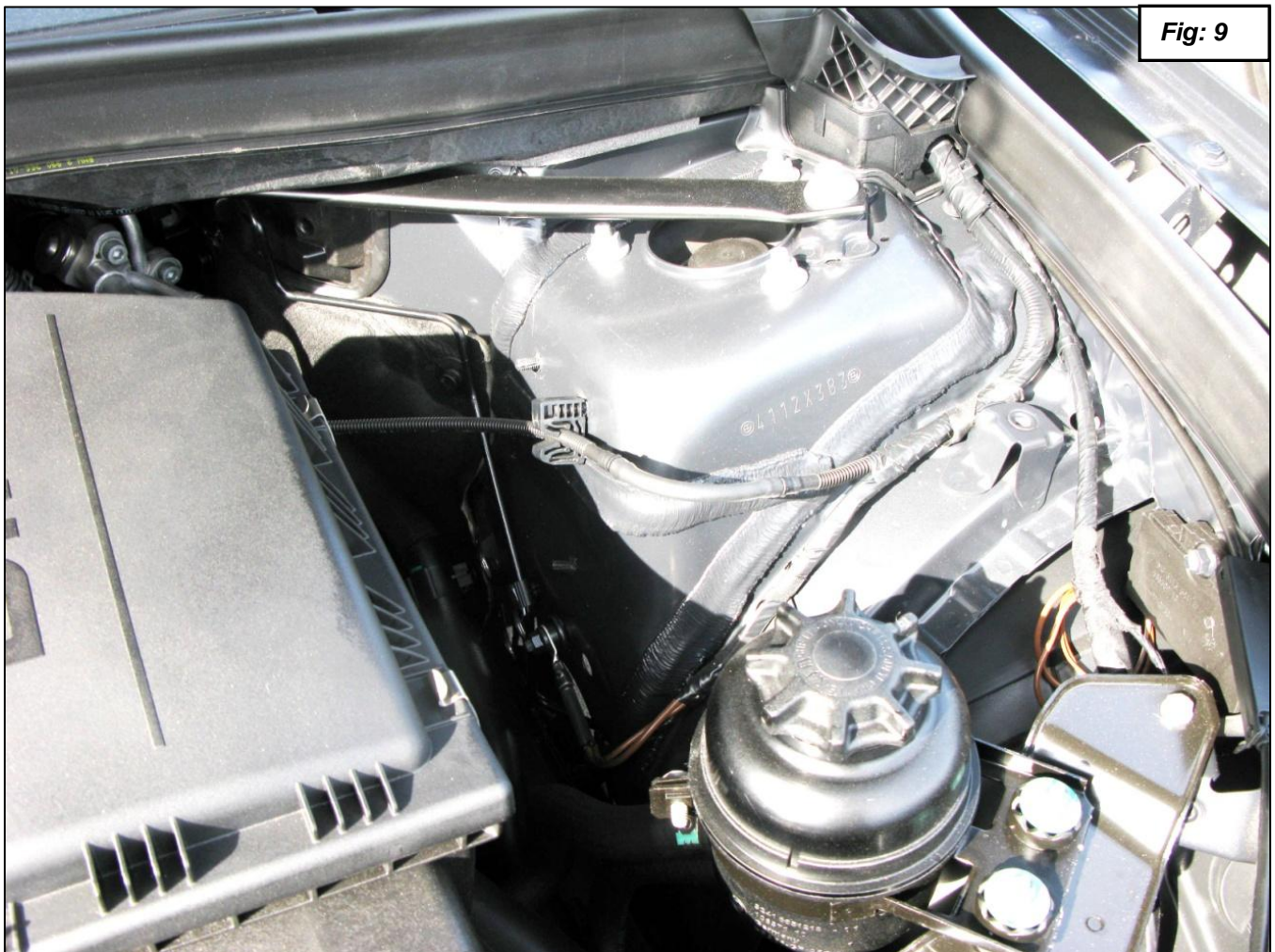
10. Follow the first part of instructions **D440-0022** describing connecting to the engine control unit on the **N20** 4 cylinder engine. The difference of the installation on the X3 is where you mount the DINANTronics box and the wire routing to it.
11. Mount the DINANTronics box to the same bracket in the same location that is shown in the 6 cylinder instructions above steps 1 thru 8 except you route the wires from the Engine control unit to the DINANTronics Box over the frame rail and under the fender bracket as shown in figures 6 and 8.



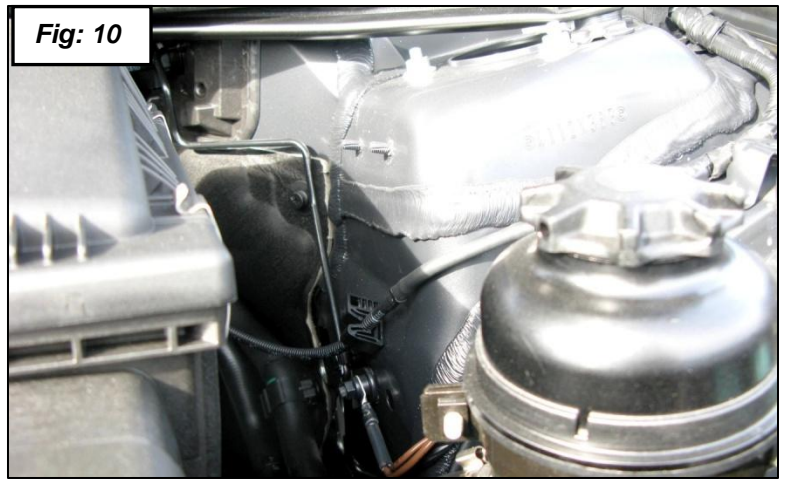
12. Route the power and ground wires (if supplied) the same as shown in the 6 Cylinder in step 8, Figure 7 and step 8, figures 8 and 9..
13. Secure all the wires with zip ties and replace all covers.

X1 N55 6 Cylinder Install

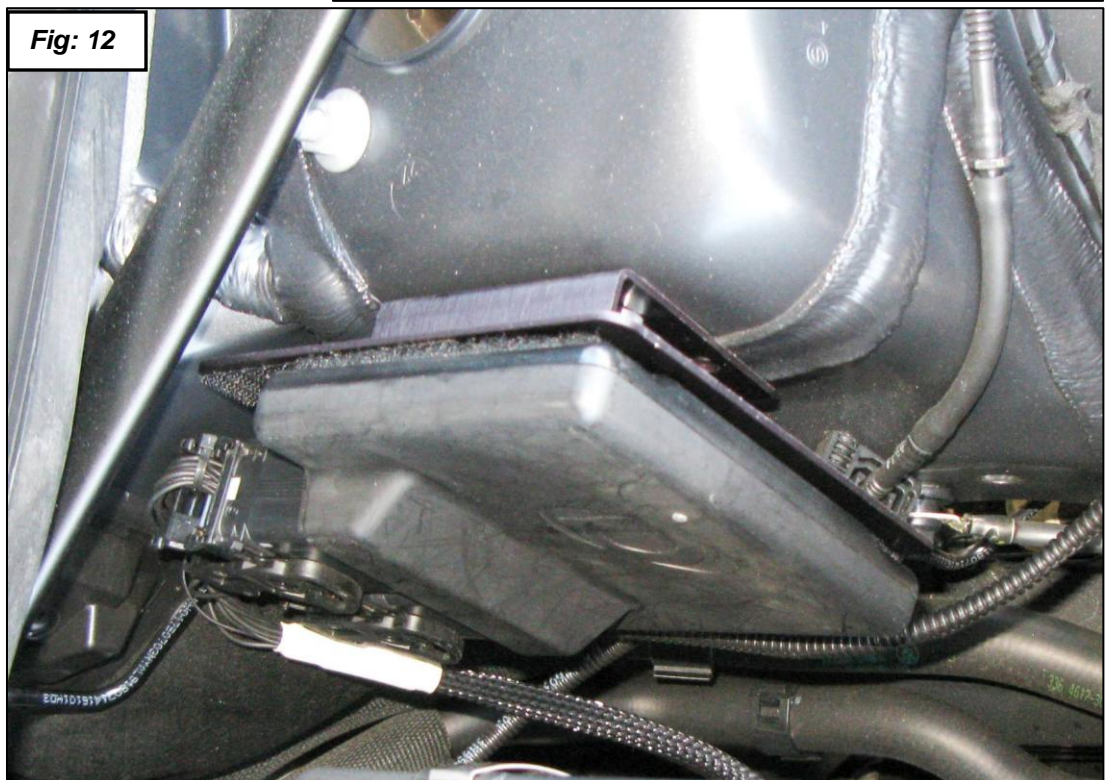
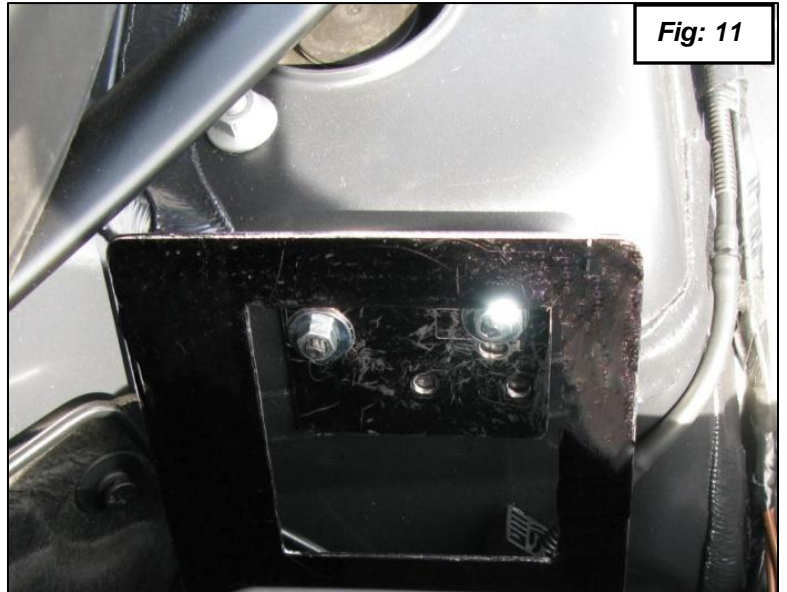
14. Follow the first part of instructions **D440-0026** describing connecting to the engine control unit on the **N55** 6 cylinder engine. The difference of the installation on the X1 is where you mount the DINANTronics box and the wire routing to and from it.
15. The DINANTronics box on the X1 will mount on the two upper studs on the side of the strut tower. There is a cable holder pushed onto the top stud. Pull it off and move it down to the lower stud. See figures 9 and 10.



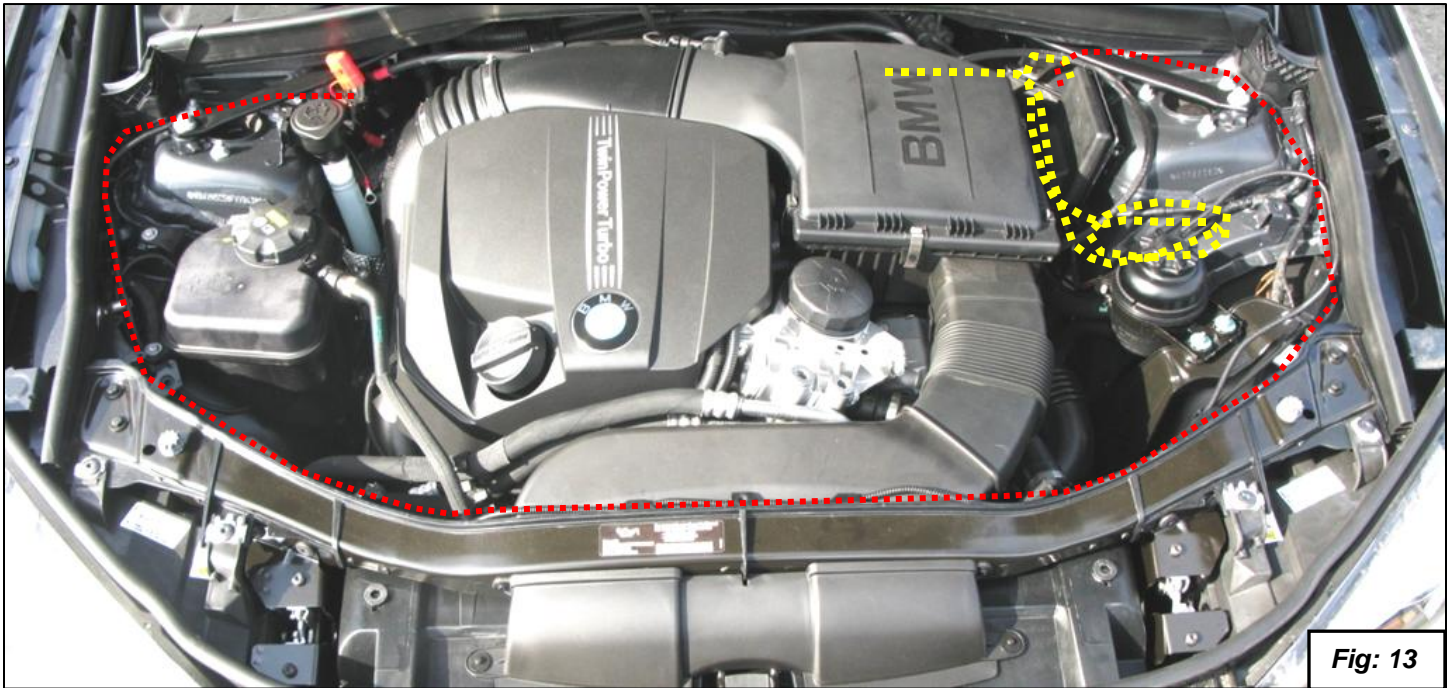
16. Make sure the cable is positioned as shown in figure 10 and has free play.



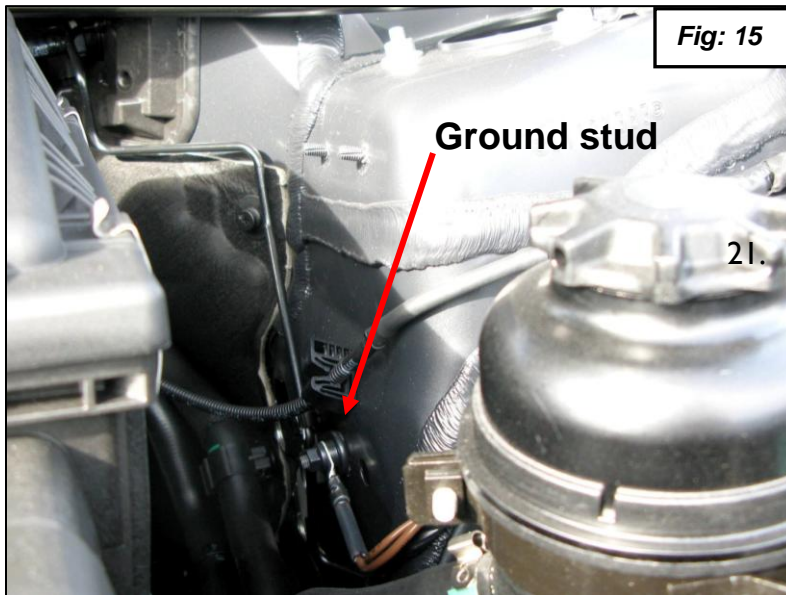
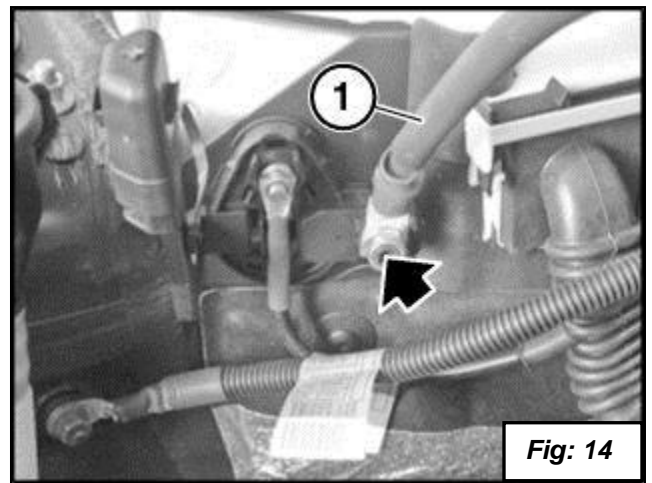
17. Mount the bracket to the studs using the supplied washers and nuts. See figures 11 and 12. Use the top two holes.
18. Attach the Velcro following the steps 5 thru 7. Position the DINANTronics box to the bracket as shown in figure 12.



19. Route the wires for the DINANTronics box from the ECU to the bracket area going up behind the mounting bracket and bring it up to the DINANTronics. Coil up the excess wire and zip tie it out of the way behind the power steering reservoir. See figure 13.



20. Route the power wire from the DinanTronics box along the front of the vehicle as shown in figure 13. Zip tie as needed to keep wires out of harm's way. Connect to the power wire on the firewall as shown in figure 14.



If your harness has a external ground wire along with the power wire you need to route it to the ground stud shown in figure 15.

X1 N20 4 Cylinder Install

22. Follow the first part of instructions **D440-0022** describing connecting to the engine control unit on the **N20** 4 cylinder engine. The difference of the installation on the X1 with the 4 cylinder vs. the 6cylinder is the wire routing to the DinanTronics box. The bracket for the box mounts in the same place on the studs on the side of the strut tower.

23. Follow steps 14 thru 16 to mount the bracket for the DinanTronics box. See figure 16. The mounting holes in the bracket are slotted, adjust for best fit.

24. Route the wires for the DINANTronics box from the ECU to the bracket area going over to the mounting bracket and bring it up to the DINANTronics. Connect the power and ground. Coil up the excess wire and zip tie it out of the under the air box. See figure 17.

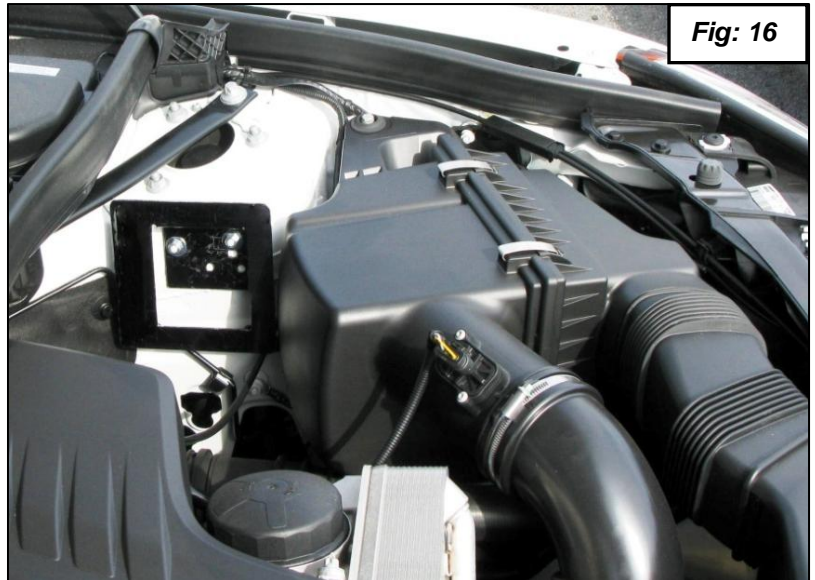


Fig: 16

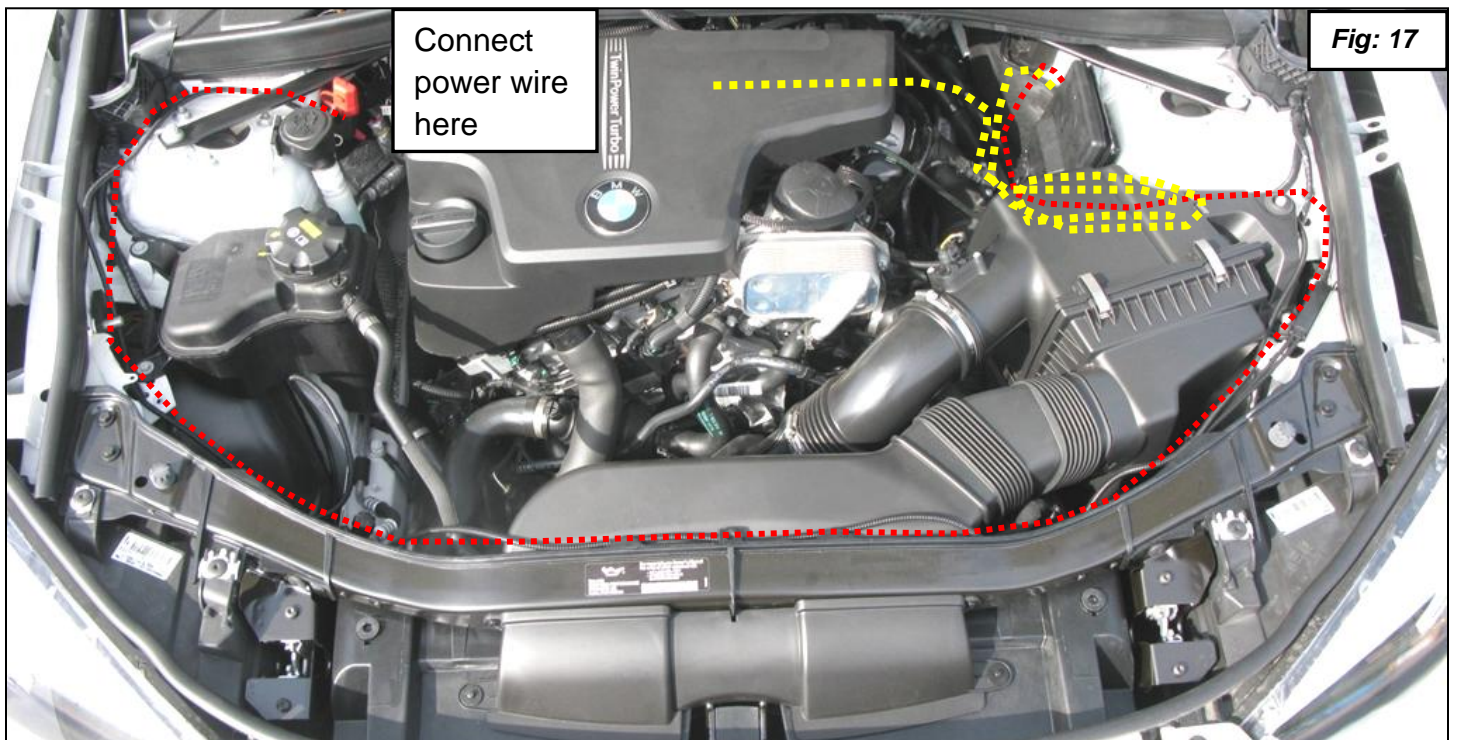


Fig: 17

Z4 N20 4 Cylinder Install

25. Follow the first part of instructions **D440-0022** (steps 1-13) describing connecting to the engine control unit on the **N20** 4 cylinder engine. The difference of the installation on the Z4 is where you mount the DinanTronics box and the wire routing to and from it. Figure 18 shows the box location and wire routing.

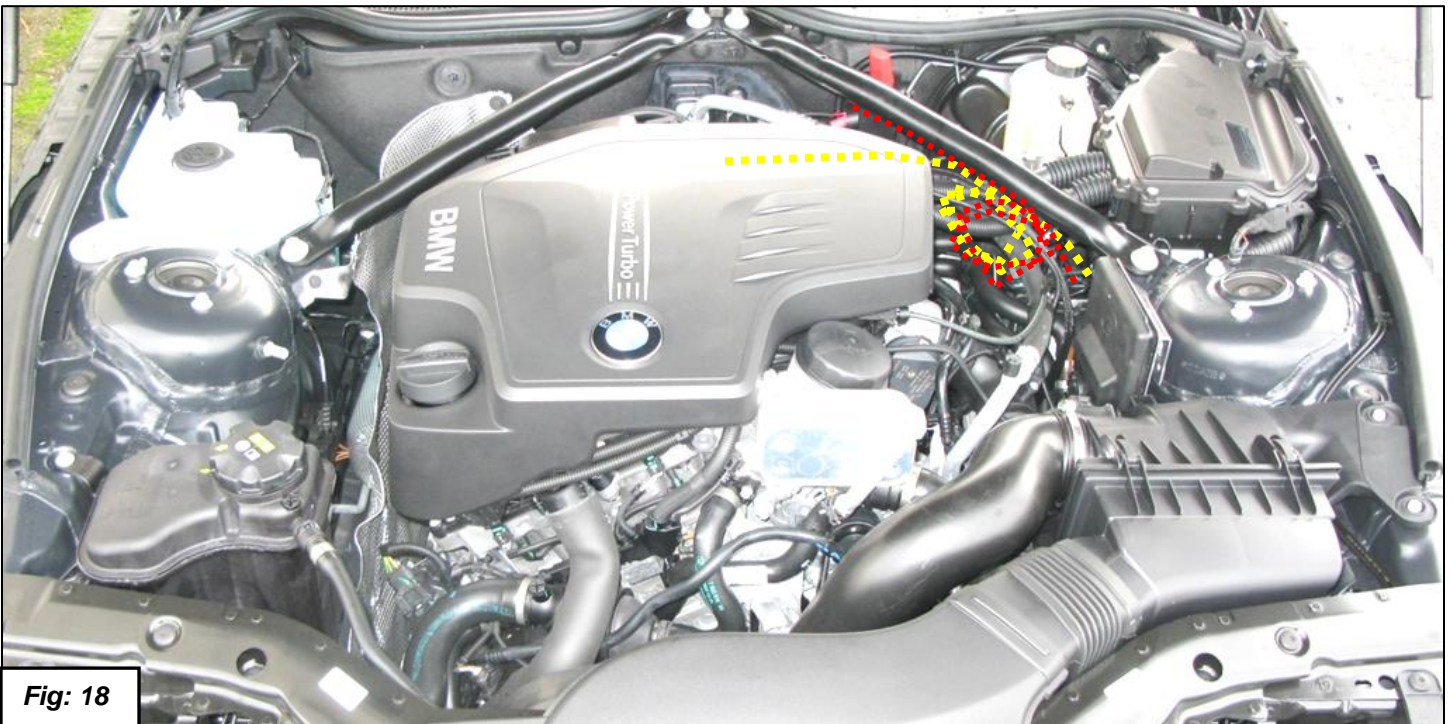


Fig: 18

26. The DINANTronics box bolts to the strut tower thru two holes you will drill in the tower. Place the bracket just above the body sealer on the strut tower and mark the two holes shown in figure 19.

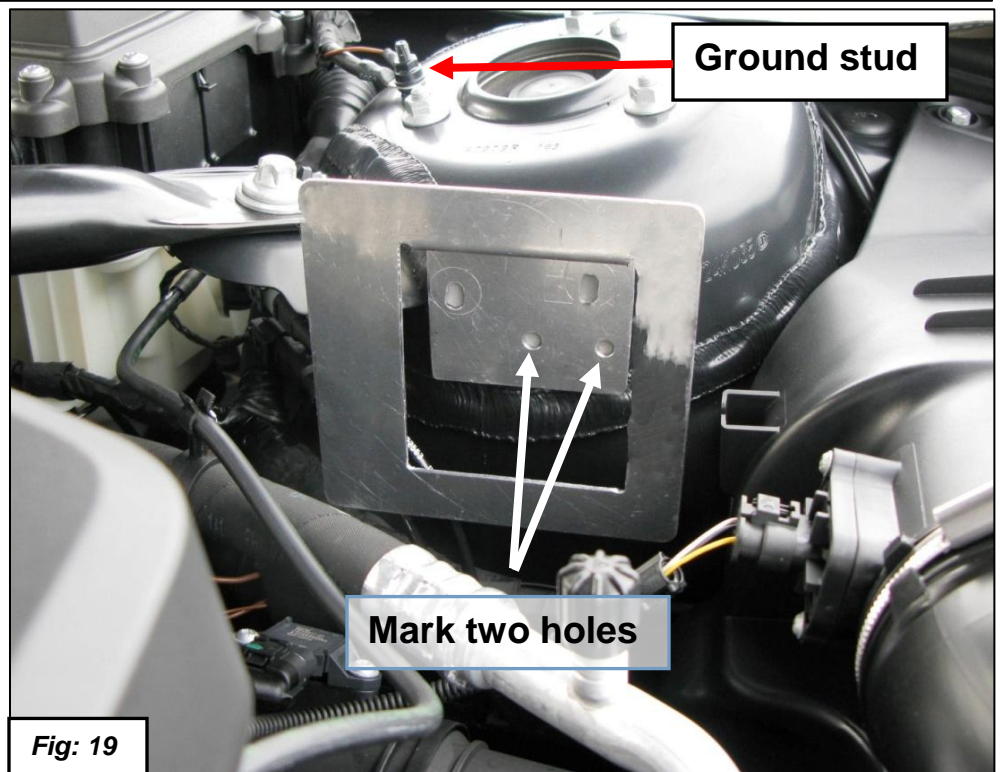


Fig: 19

27. Center punch the marked holes and drill starting with a 1/8" drill bit then open it up with a 1/4" drill bit. Be careful not to drill too deep and damage anything on the back side. Deburr the holes and apply a little touch up paint in the holes.

28. Install the bolts and with the head inside the wheel side of the strut tower and the nuts inside the engine side holding the bracket to the strut tower.

29. Follow steps 5, 6 and 7 of these instructions for installing the Velcro and attaching the DINANTronics Box to the bracket.

30. Route the wires as shown in figures 18 and 20. Coil up the extra length of wire and secure with a zip tie.

31. Remove the cover that is over the power wire (2) on the fire wall. Remove the nut (1) holding the power wire to the terminal and connect the DINANTronics power wire there. See figure 21. If your harness has a ground wire connected to the ground stud shown in figure 19. Secure the wire with zip ties.

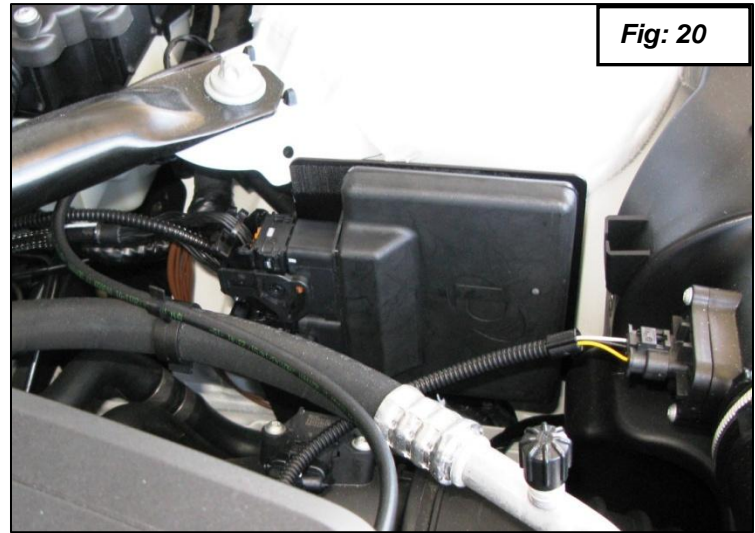


Fig: 20

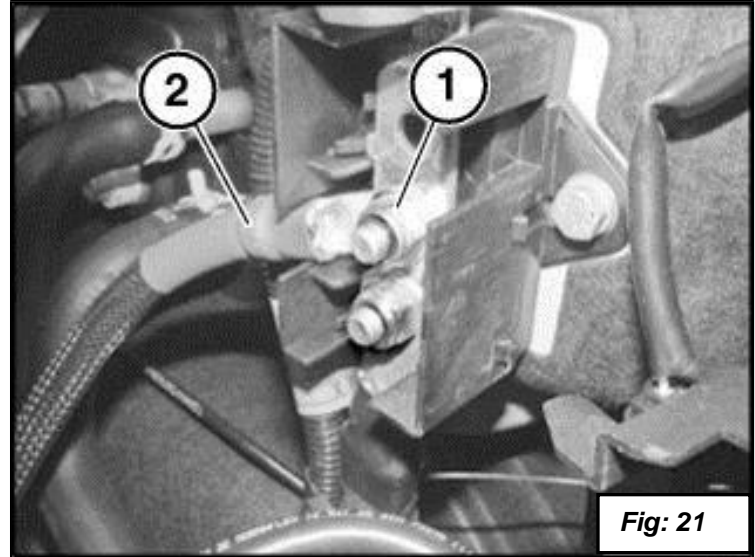


Fig: 21

Tuning – Starting - Check for faults

32. If necessary, program the DPT ECU following the instructions supplied with it.

33. Check & clear faults before starting engine:

- Turn the ignition on without starting by pressing start button without stepping on brake or clutch pedals.
- Check for faults.
- Clear any faults found.
- Repeat process as necessary until no faults are found.
- The engine may be started once the fault memory remains clear.



INSTALLATION INSTRUCTIONS

PART NUMBER

Various -- see chart below

APPLICATION:

Various -- see chart below

Congratulations for being selective enough to use a DINANTRONICS Performance Tuner. We have spent many hours developing this system to assure that you will receive maximum performance and durability with minimum difficulty in installation.

Please take the time to read these instructions thoroughly before proceeding. When performing the installation, read the entire numbered instruction before working on the car. If you feel that you do not have the requisite skill, please arrange for a qualified repair facility to perform the installation.

**** WARNING ****

This DINANTRONICS ECU and software is designed for use in specific applications as detailed in the chart below. Do not install this product into a vehicle not listed for the specific ECU & software you have. Damage will occur if this kit is misapplied!

As indicated in the DINAN product catalog, certain DINANTRONICS software products were designed for use with additional high performance hardware components including, but not limited to, Free-Flow Exhaust systems, cold air intake systems, and intercooler systems. Use of such DINANTRONICS software products without the required associated hardware components voids any and all warranties. For any questions about compatibility, please contact DINAN at 408-779-8584.

ECU Part Numbers & Applications:

Examine the kit part number shown on the packaging. See chart below and confirm you have the correct ECU & software for your application. Pay particular attention to the type of wastegate (vacuum vs. electric). Do not proceed if you do not have the correct ECU & software for your application! Contact Dinan if you have any questions.

<u>Chassis</u>	<u>Engine</u>	<u>Vehicle</u>	<u>Wastegate</u>	<u>Stage 1 ECU</u>	<u>Stage 2 ECU</u>	<u>Stage 3 ECU</u>
F22	N20	2014-2016 228i Coupe	Electric	D440-D20TE1		
F22	N20	2015-2016 228i xDrive	Electric	D440-D20TE1		
F30	N20	2013-2016 320i	Electric	D440-D21TE1		
F30	N20	2013-2016 320i xDrive	Electric	D440-D21TE1		
F30	N20	2012-2016 328i	Vacuum	D440-D20T1		D440-D20T3
F30	N20	2012-2016 328i	Electric	D440-D20TE1		
F30	N20	2013-2016 328i xDrive	Vacuum	D440-D20T1		D440-D20T3
F30	N20	2013-2016 328i xDrive	Electric	D440-D20TE1		
F31	N20	2014-2016 328i xDrive Sports Wagon	Electric	D440-D20TE1		
F34	N20	2014-2016 328i xDrive Gran Turismo	Electric	D440-D20TE1		
F33	N20	2014-2016 428i Convertible	Electric	D440-D20TE1		
F32	N20	2014-2016 428i Coupe	Electric	D440-D20TE1		
F36	N20	2015-2016 428i Gran Coupe	Electric	D440-D20TE1		
F32	N20	2014-2016 428i xDrive Coupe	Electric	D440-D20TE1		
F33	N20	2015-2016 428i xDrive Convertible	Electric	D440-D20TE1		
F36	N20	2015-2016 428i xDrive Gran Coupe	Electric	D440-D20TE1		
F10	N20	2012-2016 528i	Vacuum	D440-D20T1		
F10	N20	2012-2016 528i	Electric	D440-D20TE1		
F10	N20	2012-2016 528i xDrive	Vacuum	D440-D20T1		
F10	N20	2012-2016 528i xDrive	Electric	D440-D20TE1		
E84	N20	2013-2015 X1 sDrive28i	Electric	D440-D20TE1		
E84	N20	2013-2015 X1 xDrive28i	Vacuum	D440-D20T1		
E84	N20	2013-2015 X1 xDrive28i	Electric	D440-D20TE1		
F25	N20	2014-2016 X3 sDrive 28i	Electric	D440-D20TE1		
F25	N20	2013-2016 X3 xDrive 28i	Vacuum	D440-D20T1		
F25	N20	2013-2016 X3 xDrive 28i	Electric	D440-D20TE1		
F26	N20	2015-2016 X4 xDrive 28i	Electric	D440-D20TE1		
E89	N20	2012-2016 Z4 sDrive 28i Roadster	Vacuum	D440-D20T1		
E89	N20	2012-2016 Z4 sDrive 28i Roadster	Electric	D440-D20TE1		
F22	N26	2014-2016 228i Coupe SULEV	Electric	D440-D20TE1-N26		
F22	N26	2015-2016 228i xDrive Coupe SULEV	Electric	D440-D20TE1-N26		
F30	N26	2012-2016 328i Sedan SULEV	Electric	D440-D20TE1-N26		
F30	N26	2013-2016 328i xDrive SULEV	Electric	D440-D20TE1-N26		
F34	N26	2015-2016 328i xDrive Gran Turismo SULEV	Electric	D440-D20TE1-N26		
F32	N26	2014-2016 428i Coupe SULEV	Electric	D440-D20TE1-N26		



Chassis	Engine	Vehicle	Wastegate	Stage 1 ECU	Stage 2 ECU	Stage 3 ECU
F33	N26	2014-2016 428i Convertible SULEV	Electric	D440-D20TE1-N26		
F36	N26	2015-2016 428i Gran Coupe SULEV	Electric	D440-D20TE1-N26		
F32	N26	2014-2016 428i xDrive Coupe SULEV	Electric	D440-D20TE1-N26		
F33	N26	2015-2016 428i xDrive Convertible SULEV	Electric	D440-D20TE1-N26		
F36	N26	2015-2016 428i xDrive Gran Coupe SULEV	Electric	D440-D20TE1-N26		
F30	N55	2012-2015 335i Sedan	Vacuum	D440-D30T1	D440-D30T2	D440-D30T3
F30	N55	2012-2015 335i Sedan	Electric	D440-D30TE1	D440-D30TE2	D440-D30TE3
F30	N55	2012-2015 335i Sedan (w/ M-Perf)	Vacuum	D440-D32T1	D440-D32T2	D440-D32T3
F30	N55	2012-2015 335i Sedan (w/ M-Perf)	Electric	D440-D30TM1	D440-D30TM2	D440-D30TM3
F30	N55	2013-2015 335i xDrive Sedan	Vacuum	D440-D30T1	D440-D30T2	D440-D30T3
F30	N55	2013-2015 335i xDrive Sedan	Electric	D440-D30TE1	D440-D30TE2	D440-D30TE3
F30	N55	2013-2015 335i xDrive Sedan (w/ M-Perf)	Vacuum	D440-D32T1	D440-D32T2	D440-D32T3
F30	N55	2013-2015 335i xDrive Sedan (w/ M-Perf)	Electric	D440-D30TM1	D440-D30TM2	D440-D30TM3
F34	N55	2014-2015 335i xDrive Gran Turismo	Electric	D440-D30TE1	D440-D30TE2	D440-D30TE3
F32	N55	2014-2016 435i Coupe	Electric	D440-D30TE1	D440-D30TE2	D440-D30TE3
F32	N55	2014-2016 435i Coupe (w/ M-Perf)	Electric	D440-D30TM1	D440-D30TM2	D440-D30TM3
F33	N55	2014-2016 435i Convertible	Electric	D440-D30TE1	D440-D30TE2	D440-D30TE3
F33	N55	2014-2016 435i Convertible (w/ M-Perf)	Electric	D440-D30TM1	D440-D30TM2	D440-D30TM3
F32	N55	2014-2016 435i xDrive Coupe	Electric	D440-D30TE1	D440-D30TE2	D440-D30TE3
F32	N55	2014-2016 435i xDrive Coupe (w/ M-Perf)	Electric	D440-D30TM1	D440-D30TM2	D440-D30TM3
F33	N55	2014-2016 435i xDrive Convertible	Electric	D440-D30TE1	D440-D30TE2	D440-D30TE3
F33	N55	2014-2016 435i xDrive Convertible (w/ M-Perf)	Electric	D440-D30TM1	D440-D30TM2	D440-D30TM3
F36	N55	2014-2016 435i Gran Coupe	Electric	D440-D30TE1	D440-D30TE2	D440-D30TE3
F36	N55	2014-2016 435i Gran Coupe (w/ M-Perf)	Electric	D440-D30TM1	D440-D30TM2	D440-D30TM3
F36	N55	2015-2016 435i xDrive Gran Coupe	Electric	D440-D30TE1	D440-D30TE2	D440-D30TE3
F36	N55	2015-2016 435i xDrive Gran Coupe (w/ M-Perf)	Electric	D440-D30TM1	D440-D30TM2	D440-D30TM3
F10	N55	2011-2016 535i Sedan	Vacuum	D440-D30T1		
F10	N55	2011-2016 535i Sedan	Electric	D440-D30TE1		
F10	N55	2011-2016 535i Sedan (w/ M-Perf)	Electric	D440-D30TM1		
F07	N55	2011-2016 535i Gran Turismo	Vacuum	D440-D30T1		
F07	N55	2011-2016 535i Gran Turismo	Electric	D440-D30TE1		
F10	N55	2011-2016 535i xDrive Sedan	Vacuum	D440-D30T1		
F10	N55	2011-2016 535i xDrive Sedan	Electric	D440-D30TE1		
F10	N55	2011-2016 535i xDrive Sedan (w/ M-Perf)	Electric	D440-D30TM1		
F07	N55	2011-2016 535i xDrive Gran Turismo	Vacuum	D440-D30T1		
F07	N55	2011-2016 535i xDrive Gran Turismo	Electric	D440-D30TE1		
F12	N55	2012-2016 640i Convertible	Vacuum	D440-D31T1		
F12	N55	2012-2016 640i Convertible	Electric	D440-D31TE1		
F13	N55	2012-2016 640i Coupe	Vacuum	D440-D31T1		
F13	N55	2012-2016 640i Coupe	Electric	D440-D31TE1		
F06	N55	2013-2016 640i Gran Coupe	Vacuum	D440-D31T1		
F06	N55	2013-2016 640i Gran Coupe	Electric	D440-D31TE1		
F12	N55	2014-2016 640i xDrive Convertible	Vacuum	D440-D31T1		

Chassis	Engine	Vehicle	Wastegate	Stage 1 ECU	Stage 2 ECU	Stage 3 ECU
F12	N55	2014-2016 640i xDrive Convertible	Electric	D440-D31TE1		
F13	N55	2014-2016 640i xDrive Coupe	Vacuum	D440-D31T1		
F13	N55	2014-2016 640i xDrive Coupe	Electric	D440-D31TE1		
F06	N55	2014-2016 640i xDrive Gran Coupe	Electric	D440-D31TE1		
F02	N55	2013-2015 740Li	Vacuum	D440-D31T1		
F02	N55	2013-2015 740Li	Electric	D440-D31TE1		
F02	N55	2013-2014 740Li xDrive	Vacuum	D440-D31T1		
F02	N55	2013-2014 740Li xDrive	Electric	D440-D31TE1		
F01	N55	2013-2015 740i	Vacuum	D440-D31T1		
F01	N55	2013-2015 740i	Electric	D440-D31TE1		
F22	N55	2014-2016 M235i Coupe	Electric	D440-D30TM1	D440-D30TM2	D440-D30TM3
F22	N55	2015-2016 M235i xDrive Coupe	Electric	D440-D30TM1	D440-D30TM2	D440-D30TM3
F25	N55	2013-2016 X3 xDrive 35i	Vacuum	D440-D30T1		
F25	N55	2013-2016 X3 xDrive 35i	Electric	D440-D30TE1		
F26	N55	2015-2016 X4 xDrive 35i	Vacuum	D440-D30T1		
F26	N55	2015-2016 X4 xDrive 35i	Electric	D440-D30TE1		
F15	N55	2015-2016 X5 sDrive 35i	Electric	D440-D30TE1		
F15	N55	2015-2016 X5 sDrive 35i (w/ M-Perf)	Electric	D440-D30TM1		
F15	N55	2015-2016 X5 xDrive 35i	Electric	D440-D30TE1		
F15	N55	2015-2016 X5 xDrive 35i (w/ M-Perf)	Electric	D440-D30TM1		
F16	N55	2015-2016 X6 sDrive 35i	Electric	D440-D30TE1		
F16	N55	2015-2016 X6 sDrive 35i (w/ M-Perf)	Electric	D440-D30TM1		
F16	N55	2015-2016 X6 xDrive 35i	Electric	D440-D30TE1		
F16	N55	2015-2016 X6 xDrive 35i (w/ M-Perf)	Electric	D440-D30TM1		
F10	N63TU	2014-2016 550i Sedan	Vacuum	D440-D44T1	D440-D44T2	D440-D44T3
F07	N63TU	2013-2016 550i Gran Turismo	Vacuum	D440-D44T1	D440-D44T2	D440-D44T3
F10	N63TU	2014-2016 550i xDrive Sedan	Vacuum	D440-D44T1	D440-D44T2	D440-D44T3
F07	N63TU	2013-2016 550i xDrive Gran Turismo	Vacuum	D440-D44T1	D440-D44T2	D440-D44T3
F12	N63TU	2013-2016 650i Convertible	Vacuum	D440-D44T1		D440-D44T3
F13	N63TU	2013-2016 650i Coupe	Vacuum	D440-D44T1		D440-D44T3
F06	N63TU	2013-2016 650i Gran Coupe	Vacuum	D440-D44T1		D440-D44T3
F12	N63TU	2013-2016 650i xDrive Convertible	Vacuum	D440-D44T1		D440-D44T3
F13	N63TU	2013-2016 650i xDrive Coupe	Vacuum	D440-D44T1		D440-D44T3
F06	N63TU	2013-2016 650i xDrive Gran Coupe	Vacuum	D440-D44T1		D440-D44T3
F01	N63TU	2013-2015 750i	Vacuum	D440-D44T1	D440-D44T2	D440-D44T3
F02	N63TU	2013-2015 750Li	Vacuum	D440-D44T1	D440-D44T2	D440-D44T3
F01	N63TU	2013-2015 750i xDrive	Vacuum	D440-D44T1	D440-D44T2	D440-D44T3
F02	N63TU	2013-2015 750Li xDrive	Vacuum	D440-D44T1	D440-D44T2	D440-D44T3
F01	N63TU	2013-2015 Alpina B7	Vacuum	D440-D44TB1	D440-D44TB2	
F02	N63TU	2013-2015 Alpina B7 LWB	Vacuum	D440-D44TB1	D440-D44TB2	
F01	N63TU	2013-2015 Alpina B7 xDrive	Vacuum	D440-D44TB1	D440-D44TB2	
F02	N63TU	2013-2015 Alpina B7 xDrive LWB	Vacuum	D440-D44TB1	D440-D44TB2	
F06	N63TU	2015-2016 Alpina B6 xDrive Gran Coupe	Vacuum	D440-D44TB1		

<u>Chassis</u>	<u>Engine</u>	<u>Vehicle</u>	<u>Wastegate</u>	<u>Stage 1 ECU</u>	<u>Stage 2 ECU</u>	<u>Stage 3 ECU</u>
F15	N63TU	2015-2016 X5 xDrive 50i	Vacuum	D440-D44T1		
F85	S63TU	2015-2016 X5 M	Vacuum	D440-D44TXM1		
F16	N63TU	2015-2016 X6 xDrive 50i	Vacuum	D440-D44T1		
F86	S63TU	2015-2016 X6 M	Vacuum	D440-D44TXM1		
F80	S55	2015-2016 M3 Sedan	Electric	D440-D30TM41	D440-D30TM42	
F82	S55	2015-2016 M4 Coupe	Electric	D440-D30TM41	D440-D30TM42	
F83	S55	2015-2016 M4 Convertible	Electric	D440-D30TM41	D440-D30TM42	
F10	S63TU	2013-2016 M5	Vacuum	D440-D44TM1	D440-D44TM2	
F10	S63TU	2014-2016 M5 Competition	Vacuum	D440-D44TMC1	D440-D44TMC2	
F12	S63TU	2013-2016 M6 Convertible	Vacuum	D440-D44TM1	D440-D44TM2	
F12	S63TU	2014-2016 M6 Convertible Competition	Vacuum	D440-D44TMC1	D440-D44TMC2	
F13	S63TU	2013-2016 M6 Coupe	Vacuum	D440-D44TM1	D440-D44TM2	
F13	S63TU	2014-2016 M6 Coupe Competition	Vacuum	D440-D44TMC1	D440-D44TMC2	
F06	S63TU	2014-2016 M6 Gran Coupe	Vacuum	D440-D44TM1	D440-D44TM2	
F06	S63TU	2014-2016 M6 Gran Coupe Competition	Vacuum	D440-D44TMC1	D440-D44TMC2	
F10	S63TU	2015 M5 30th Anniversary Edition	Vacuum	D440-D44TM1	D440-D44TM2	

Installation:

1. **Important:**
 - Evaluate and repair all faults stored in the ECU memories before installing any Dinan components.
 - Do not install this product on a vehicle that is not running properly!
2. On the DINANTRONICS ECU is a white identification label which displays the MAC address of this ECU. The MAC address is a series of 16 letters & numbers (see below). Verify that the MAC address on the ECU matches the address shown on identical stickers shipped loose in the package.

Product Name : D-Tronics ECU	H/W Ver : 1.03	
Part Number : D440-0100	F/W Ver : 01.3E	
MAC Address : 00:07:80:66:FD:3C	Map Ver : FF.FF.FF.FF	
Production Date : 5/22/2014		
 Dinan Corp. 865 Jarvis Drive, Morgan Hill, CA 95051 (408) 777- 8584, (800) 341- 5480 http://www.dinancars.com Made in USA	Dealer Information : _____ _____ _____	

3. Install ECU per instructions included with the Dinan wiring harness for your specific vehicle. **Do note the harness serial number which is on a sticker near the ECU plugs.**
4. Affix a loose sticker to the driver's door jamb near the VIN sticker. This allows easy identification of the MAC address of the DINANTRONICS ECU, after installation.

TIP: Scanning the QR code (on the ECU itself, or on the door jamb) with a QR reader on a smartphone will open a web page which shows what software was loaded & activated in this ECU.
5. Affix the final loose sticker onto the DINANTRONICS Product Registration page at the end of this section.
6. Completely fill out the remainder of the registration page. Submit this information to Dinan by either scanning the QR code, or visiting the webpage at "<http://decus.dinancars.com/decusinfo.php>" Alternatively, you may fax or email the registration page instead.
7. This ECU has been preloaded with software for this car. No further action is needed.

PRODUCT REGISTRATION FORM



CUSTOMER INFORMATION

CUSTOMER NAME**

CUSTOMER ADDRESS

CUSTOMER ADDRESS CONT. (City, State, ZIP)

CUSTOMER COUNTRY

CUSTOMER PHONE NUMBER**

CUSTOMER EMAIL ADDRESS**

DINAN CORPORATION | 865 JARVIS DRIVE |

MORGAN HILL, CA 95037 | 800-341-5480

DEALER / DEVICE INFORMATION

DEALER ID**

ORDER #

DEVICE MAC ADDRESS**

WIRING HARNESS SERIAL NUMBER**

VEHICLE INFORMATION

VIN # (LAST 7 DIGITS)**

MILEAGE

XDRIVE AUTO MANUAL DCT

YEAR/MAKE/MODEL

ANY OTHER MODIFICATIONS

**REQUIRED FIELDS

REGISTRATION FORM MUST BE FILLED OUT IN FULL AND RETURNED TO DINAN BY FAX OR EMAIL WITHIN 2 WEEKS FROM DATE OF INSTALLATION, OR PRODUCT WARRANTY WILL BE VOID.

BE EMAIL: techsupport@dinancars.com with the subject of "D-TRONICS Registration Form" BY FAX: 408-779-6927



The Dinan app for Android or Apple iOS smart phones & tablets allows you to connect to a DINANTronics ECU and easily change between Bypass mode, and any licensed Stage.

To obtain the free DINANTRONICS app, search for 'dinantronics' on either the iTunes or Google Play stores, and download for your specific platform.

Requirement:

The app must be used with an Android or Apple device equipped with Bluetooth version 4.0, such as:

- Apple iPhone 4s or newer
- Apple iPad 3 or newer
- Apple iPad Air or newer
- Apple iPad mini or newer
- Samsung Galaxy S3 or newer
- numerous other Android devices

Please use a reference such as www.phonearena.com to research the Bluetooth capabilities of your device. Connection to a DINANTronics ECU requires Bluetooth version 4.0.