



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.

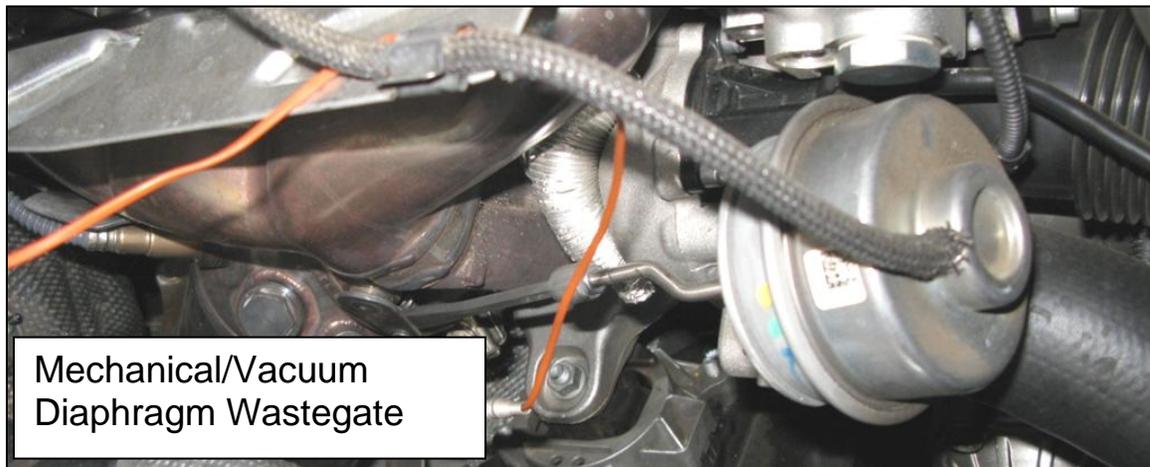
**** IDENTIFY TYPE OF WASTEGATE ****

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.

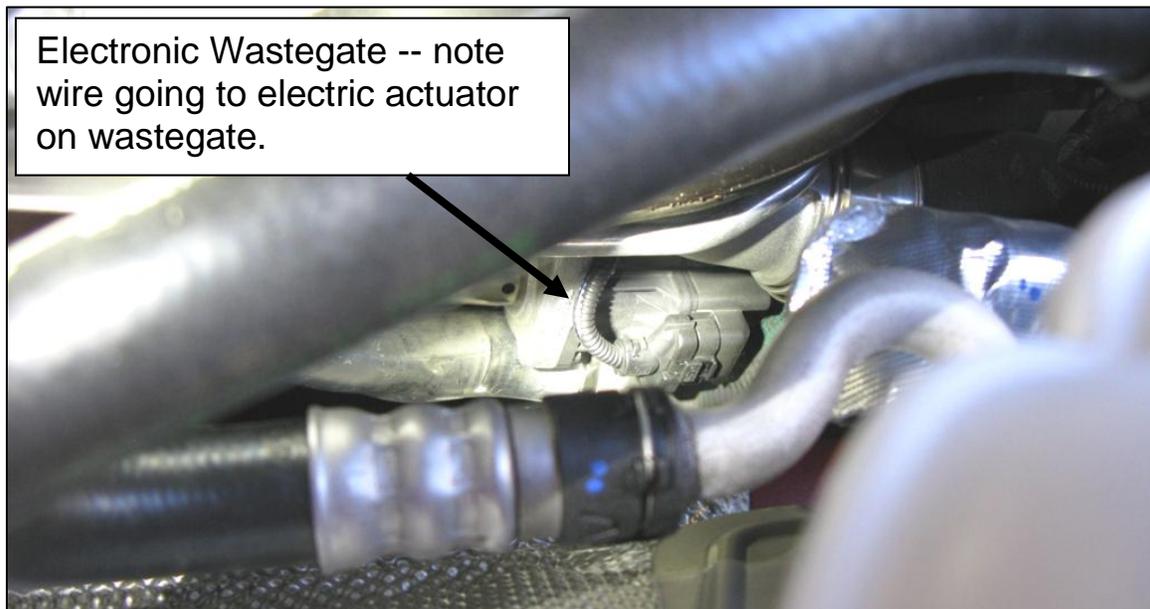
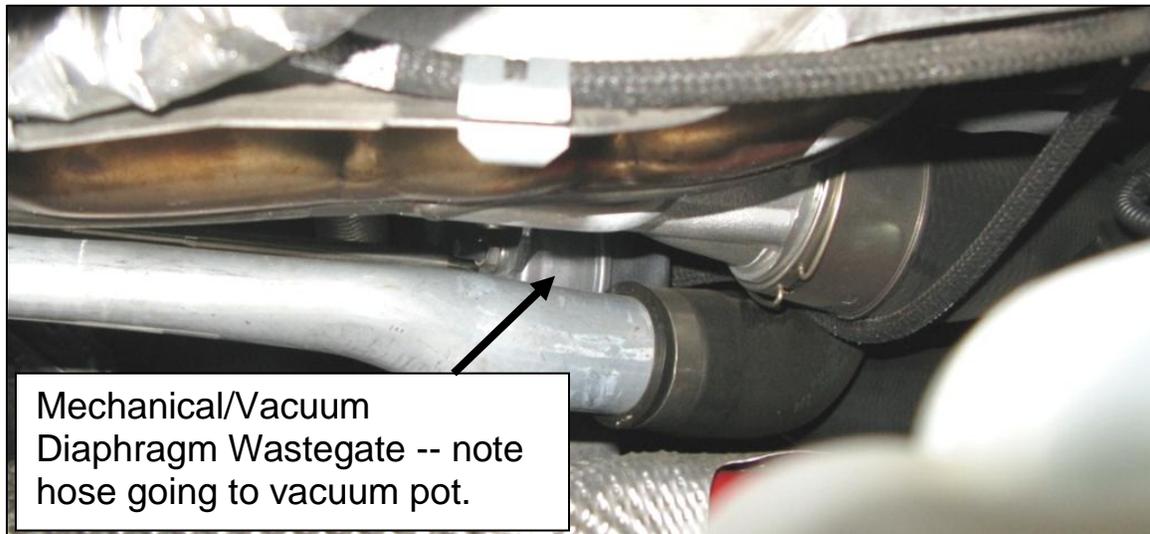


Wastegate on S55 6-cylinder engines (M3 & M4):

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

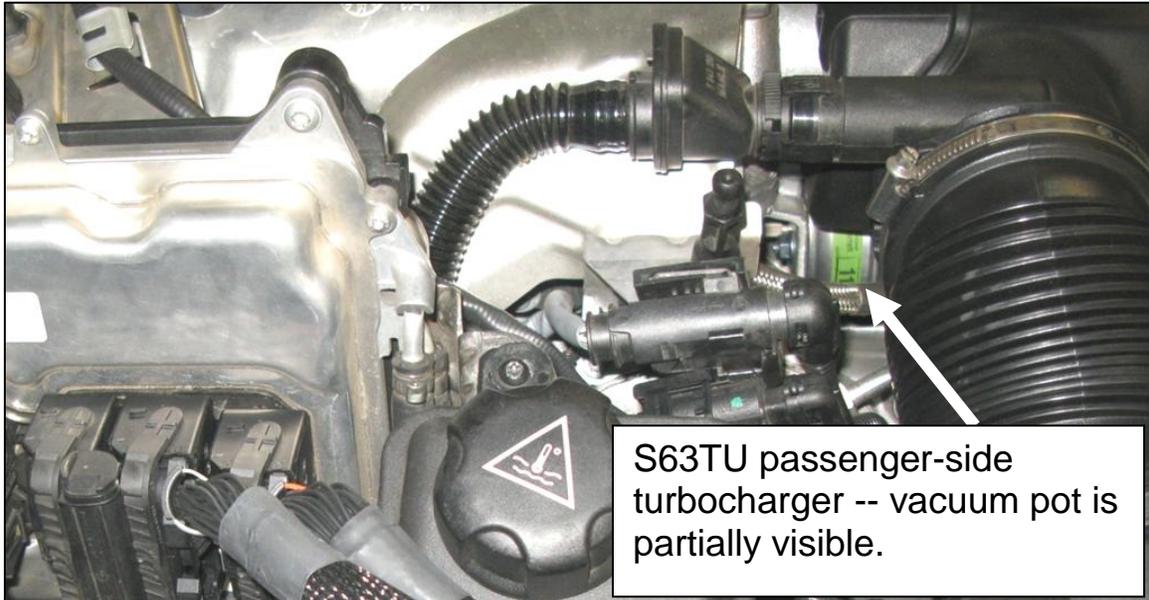
Check Wastegate on N55 6-cylinder engines:

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

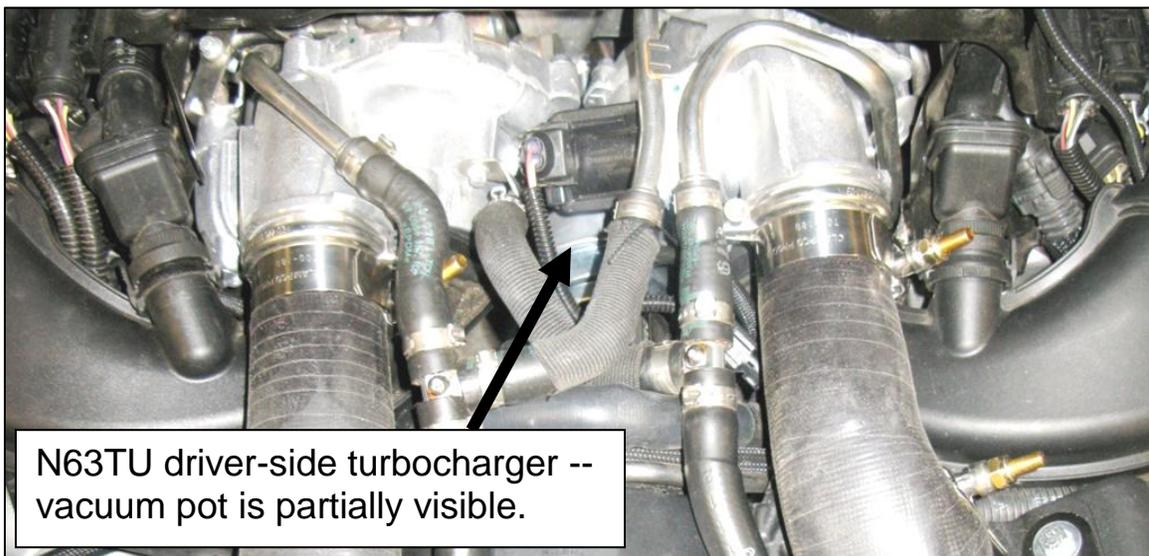


**Check Wastegate on N63TU & S63
8-cylinder engines:**

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		

<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>
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.



V8 Harness

INSTALLATION INSTRUCTIONS

PART NUMBER

D440-0024(B)

APPLICATION:

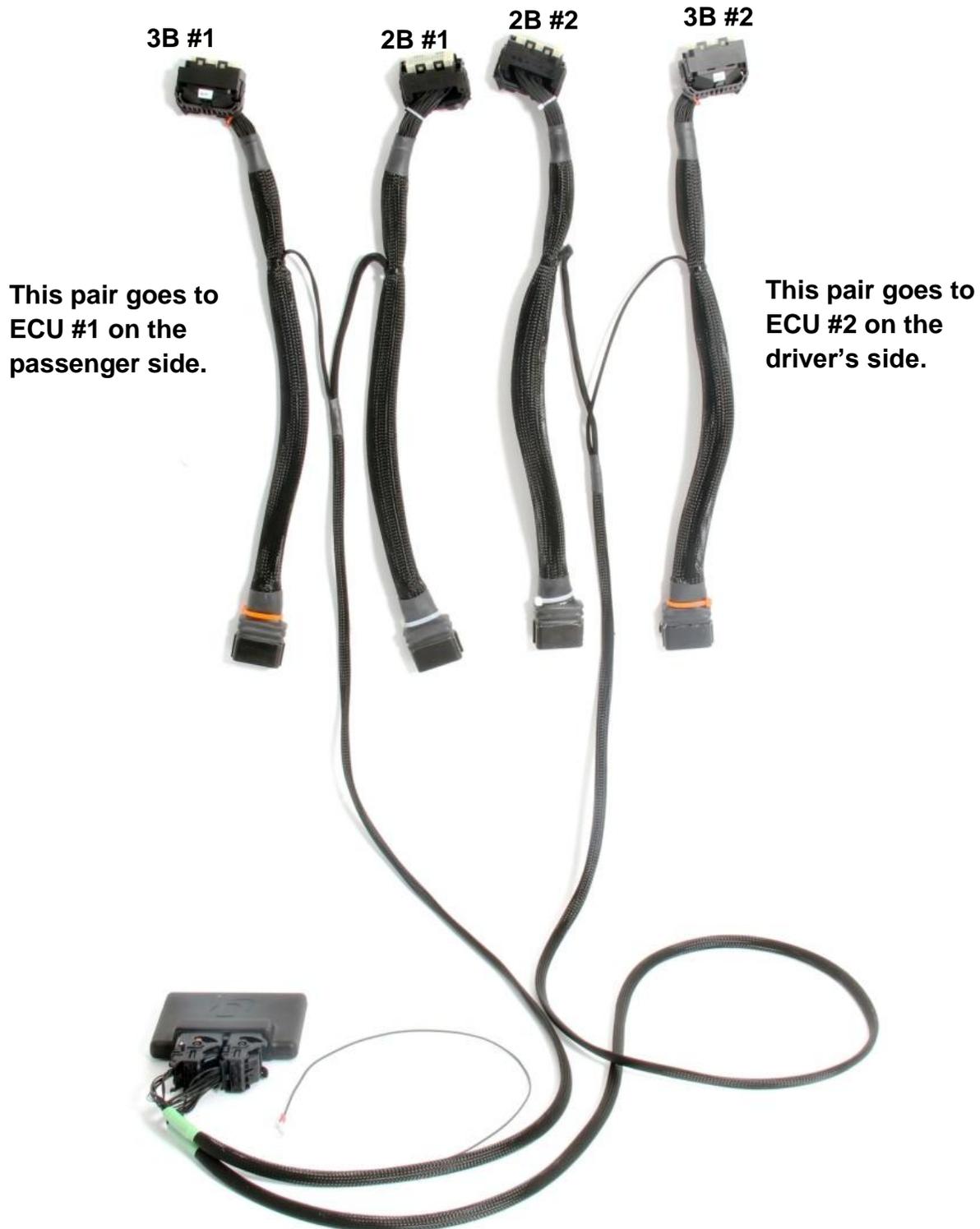
- . 2013-16 F10 M5 (w/ S63TU engine)
- . 2012-16 F12 M6 convertible (w/ S63TU engine)
- . 2012-16 F13 M6 coupe (w/ S63TU engine)
- . 2013-16 F06 M6 Gran Coupe (w/ S63TU engine)
- . 2014-16 F10 550i & xDrive (w/ N63TU engine)
- . 2013-16 F07 550i GT & xDrive (w/ N63TU engine)
- . 2013-16 F12 650i & xDrive convertible (w/ N63TU engine)
- . 2013-16 F13 650i & xDrive coupe (w/ N63TU engine)
- . 2013-16 F06 650i & xDrive Gran Coupe (w/ N63TU engine)
- . 2013-15 F01 750i & xDrive (w/ N63TU engine)
- . 2013-15 F02 750Li & xDrive (w/ N63TU engine)

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 GREEN BAND near the DPT ECU connectors as shown below.



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 behind the heat shield on the fire wall, they will melt!

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: First set of photos are for N63TU – S63 follows

1. Disconnect the negative battery lead.
2. Remove the two strut brace's and air ducts as shown in figure 1. Shown below in figure 1 is the overall routing of the harness on a N63TU engine.

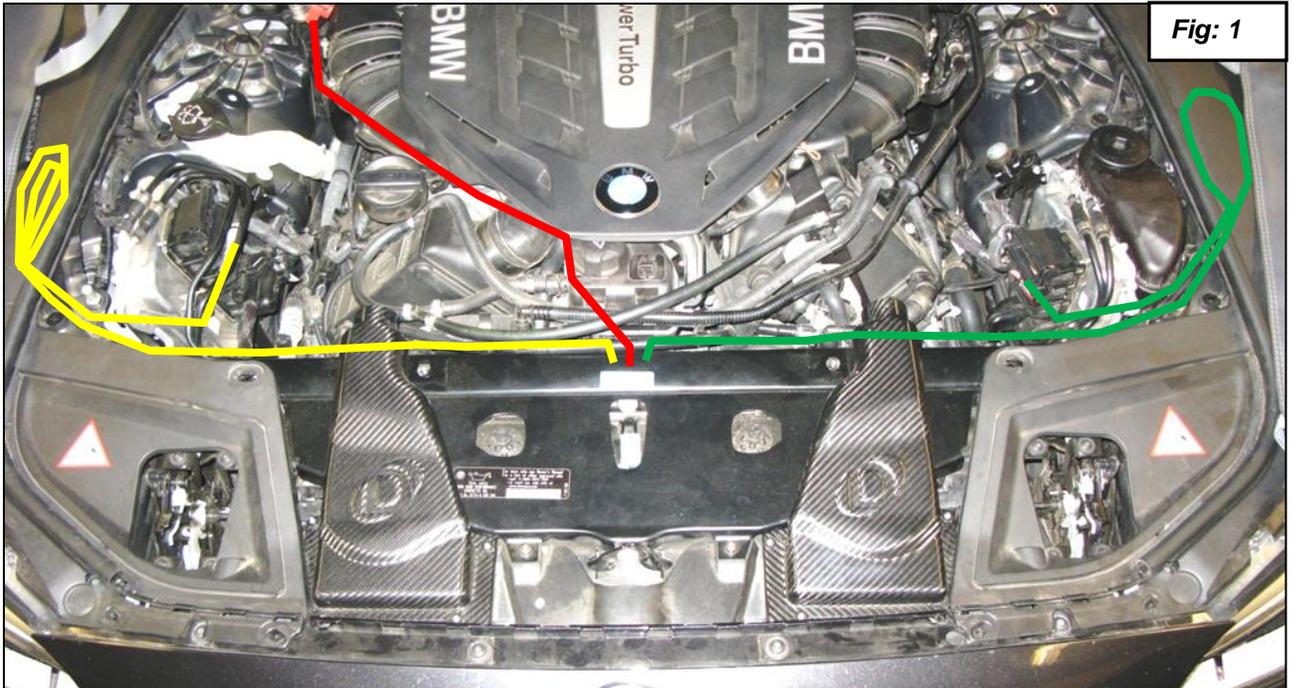


Fig: 1

3. Disconnect the first three large connectors on each of the engine control units. See figure 2 and 3. You have to start with the bottom large connector (1) and work your way up to connector (3). Unclip the wire harness from the mounting brackets. You will be connecting the DPT wire harness connectors between each stock ECU and the stock ECU connectors.

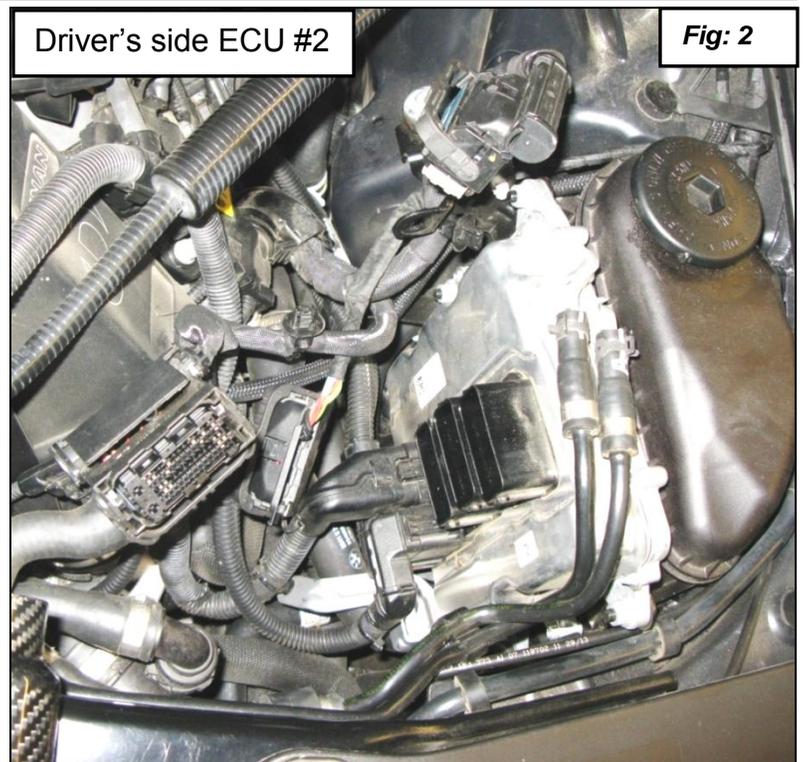
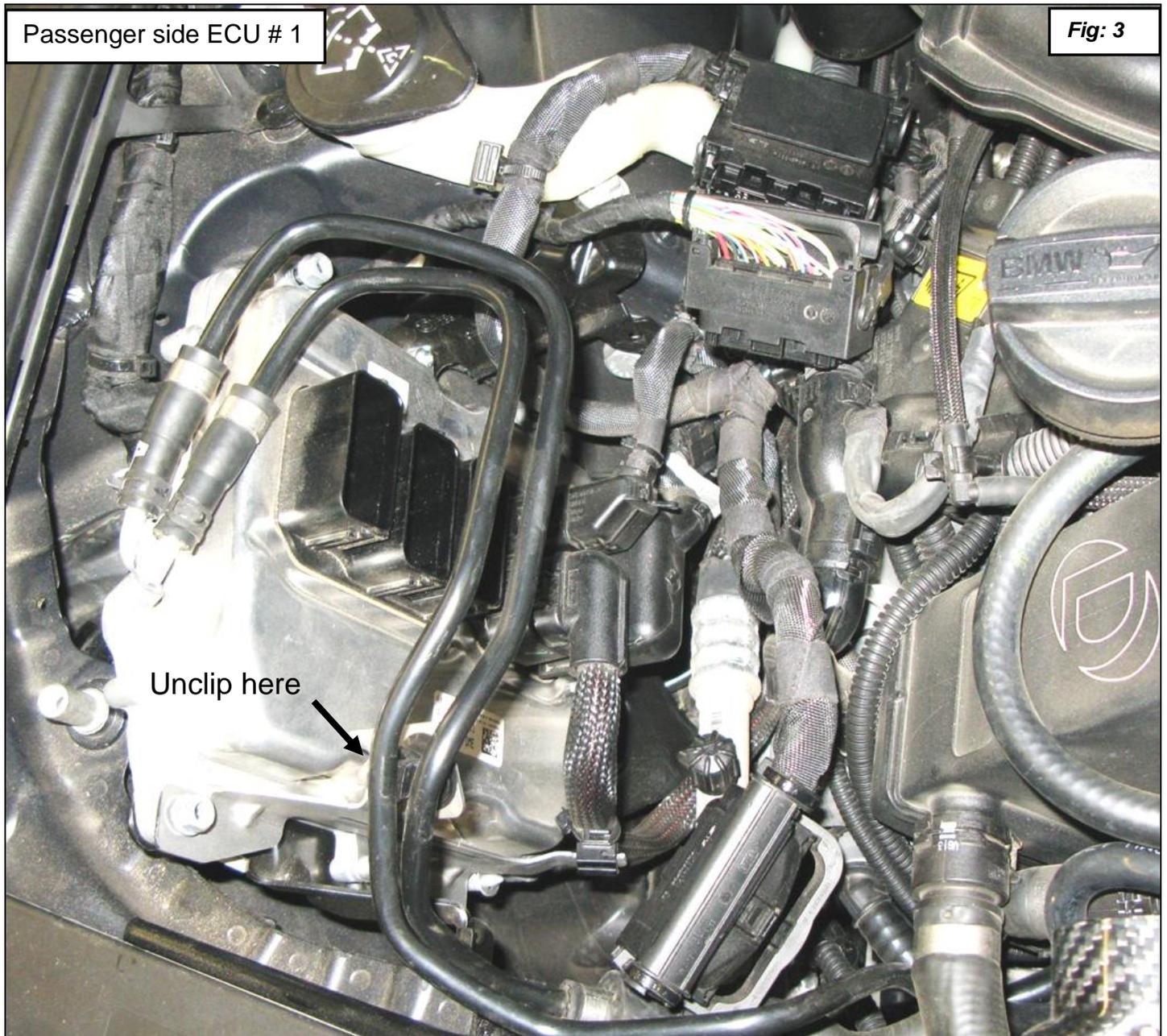


Fig: 2

4. Disconnect the first three large connectors on the passenger side engine control unit as you did on the driver's side. See figure 3. Unclip the two coolant hoses from their holder on the ECU bracket to help you route the wires under them.



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!**

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. There are two pairs of interrupt sections, each of the connectors that connect to the ECU's are location marked.



6. The DPT Harness has two pairs of interrupt sections that connect at each stock ECU. They are marked and color coded so you can put them in the right locations. Each connector that connects to the stock ECU's has a numbers on it in addition to the color code.

First pair on passenger side

2B #1 = connector 2B on ECU # 1.

White dot and zip ties.

3B #1 = connector 3B on ECU # 1.

Orange dot and zip ties.

Second pair on driver's side

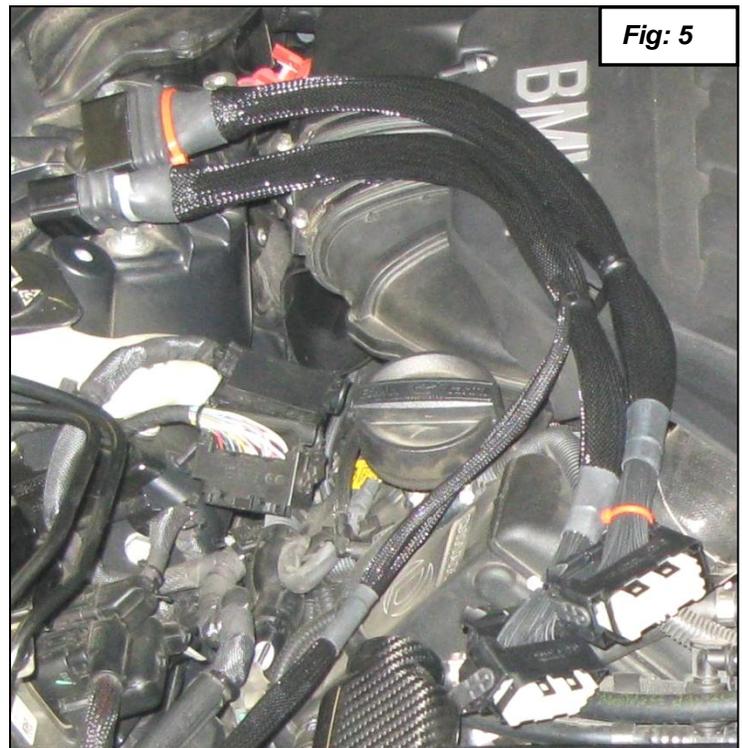
2B # 2 = connector 2B on ECU # 2.

White dot and zip ties.

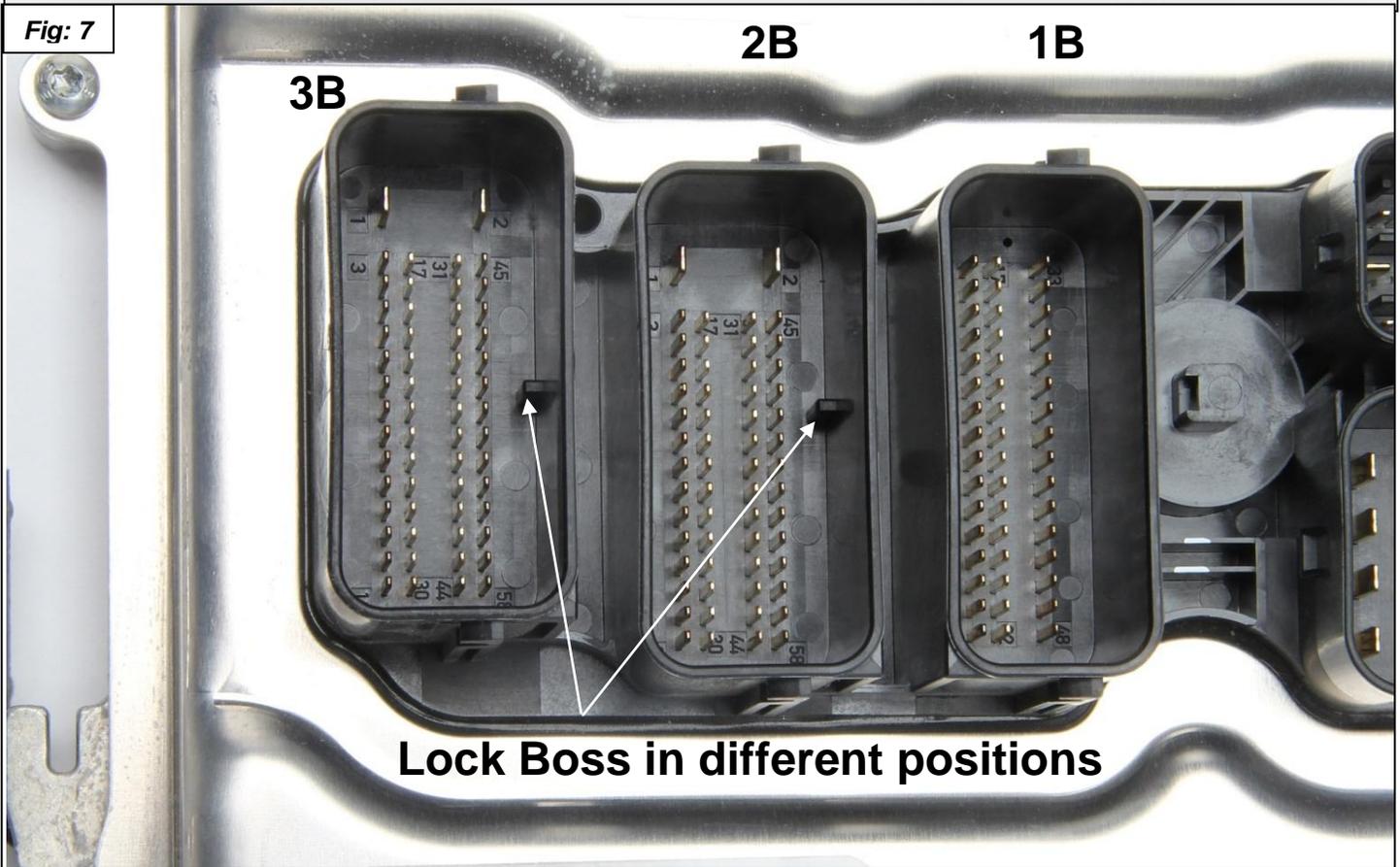
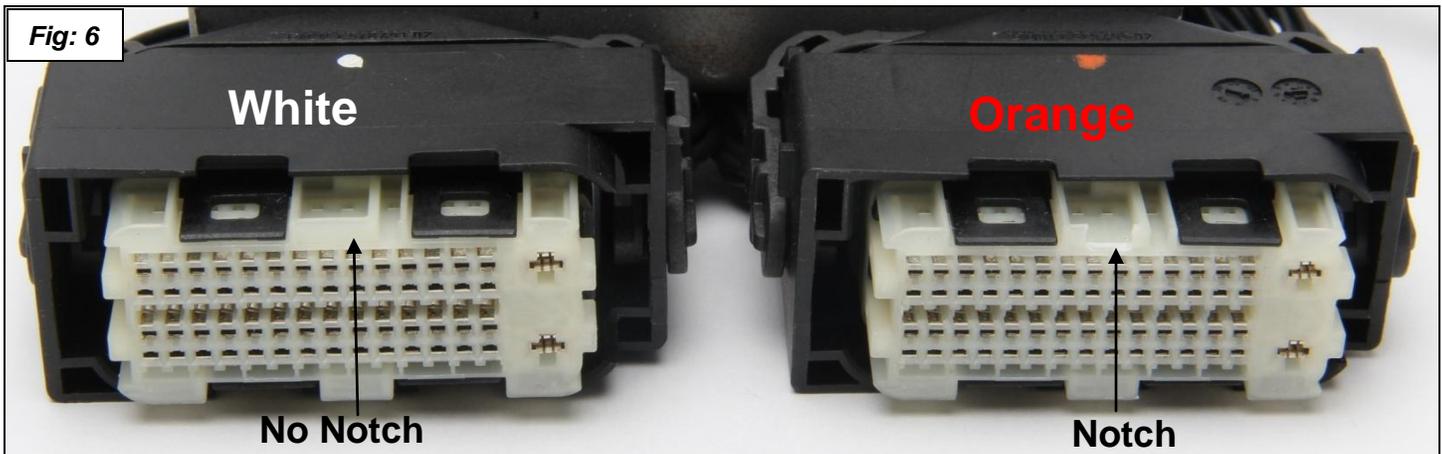
3B # 2 = connector 3B on ECU # 2.

Orange dot and zip ties.

See figure 5 it shows the colored zip ties on the passenger side.



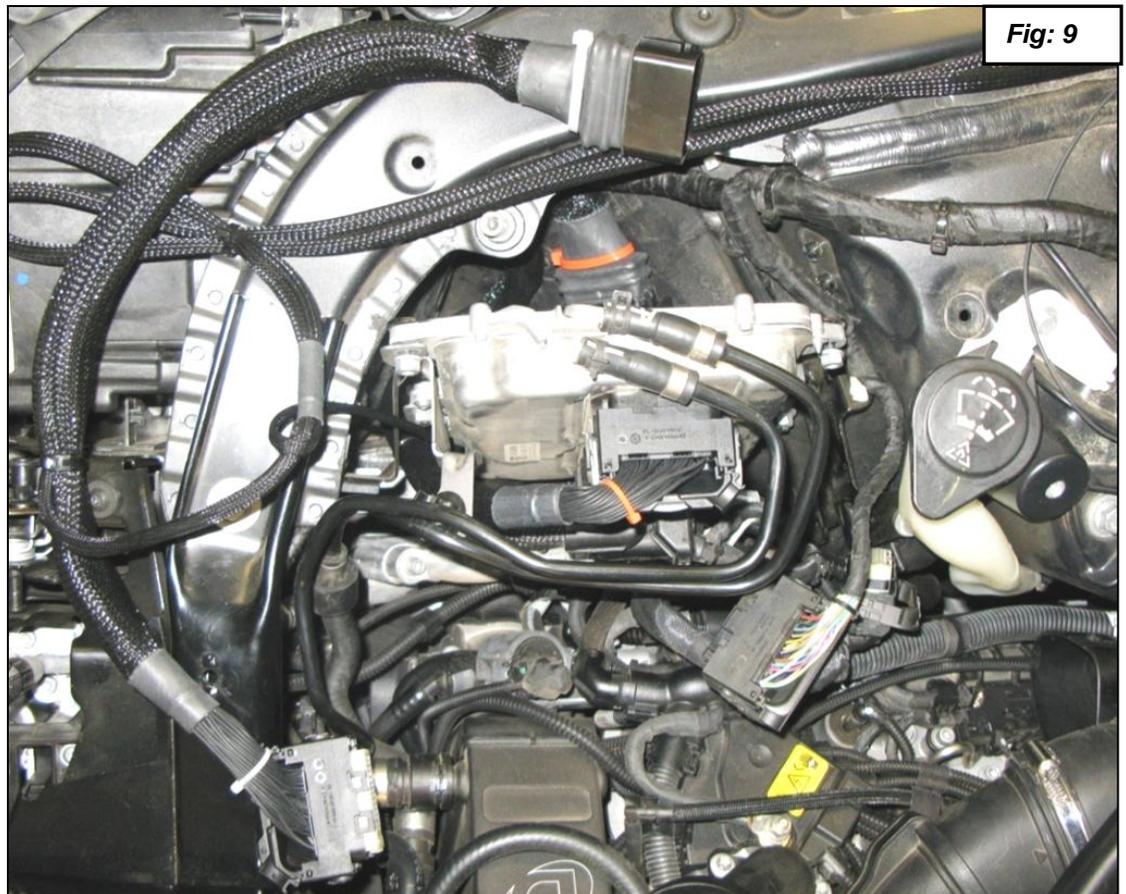
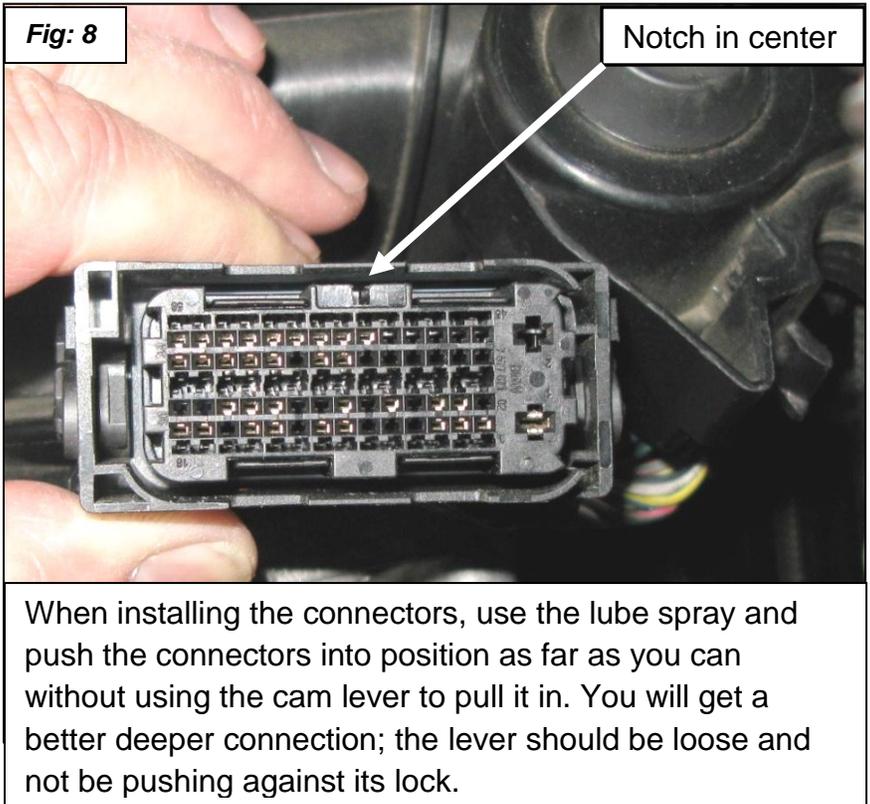
7. The BMW connector ends of the Dinan interrupt sections are the same except for the color code. The Orange dot zip-tie connector has a second lock notch so it will fit around Lock Boss that is in the connector receptacles on the ECU. They are in different locations between receptacle 2B and 3B. The Orange dot (zip tie) connector will physically fit in either 3B or 2B receptacles, but the White dot (zip tie) 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 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.

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

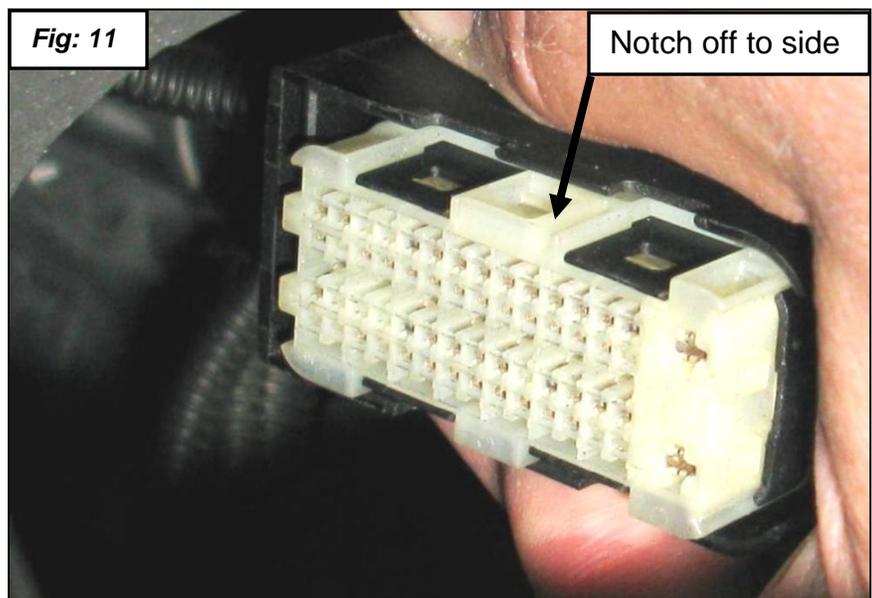
10. Repeat the install on both the passenger and drivers side ECU following the routing as shown. The passenger side Orange Interconnect goes under the coolant hoses and around the ECU.



11. The drivers Orange Interconnect wire goes between the three row plug (1B) and the lower connectors as shown in figure 10. Follow the next steps to install the (2B) and (1B) connectors.



12. 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 and 11.
13. Install the White Dot Dinan interrupt connector as shown in figure 11 and locate as shown so you can install the next connector.



14. Install the last large connector that is the three row plug. It has no interrupt and goes back on as stock in position (1B).
15. Route the wires as shown on both ECU's as shown in figures 12 and 13.

Passenger Side

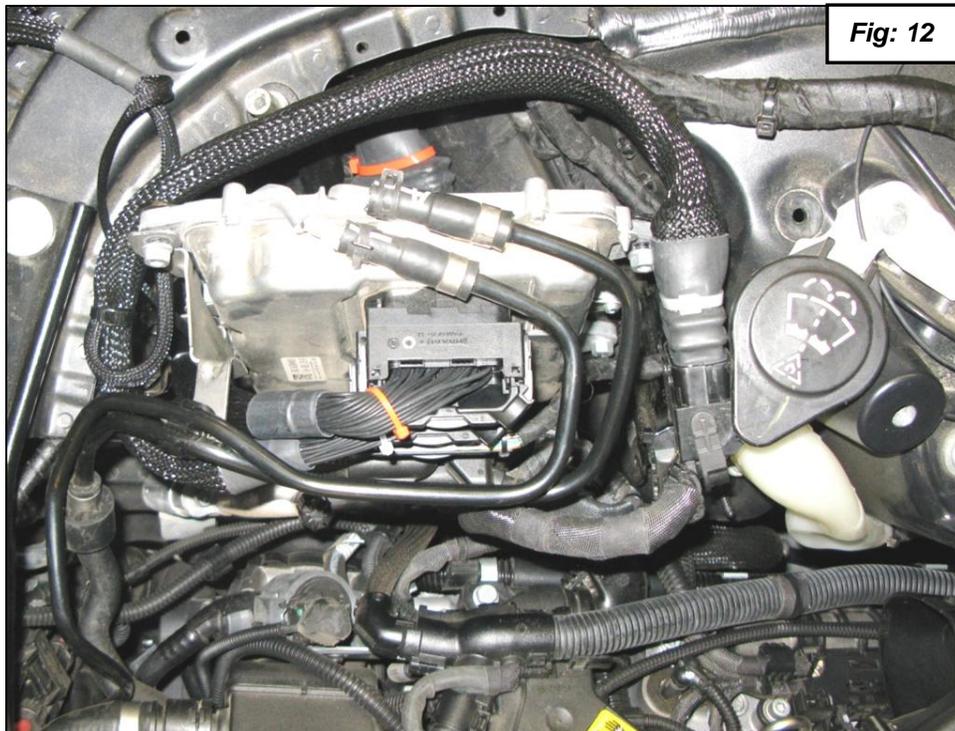


Fig: 12

Driver's side

Once you make the connection of the Dinan connector to vehicle harness connector you will need to secure it to the car with Zip Ties. Depending on the model of car and options there are several places to secure the connectors to the car. See figures 14 thru 18.

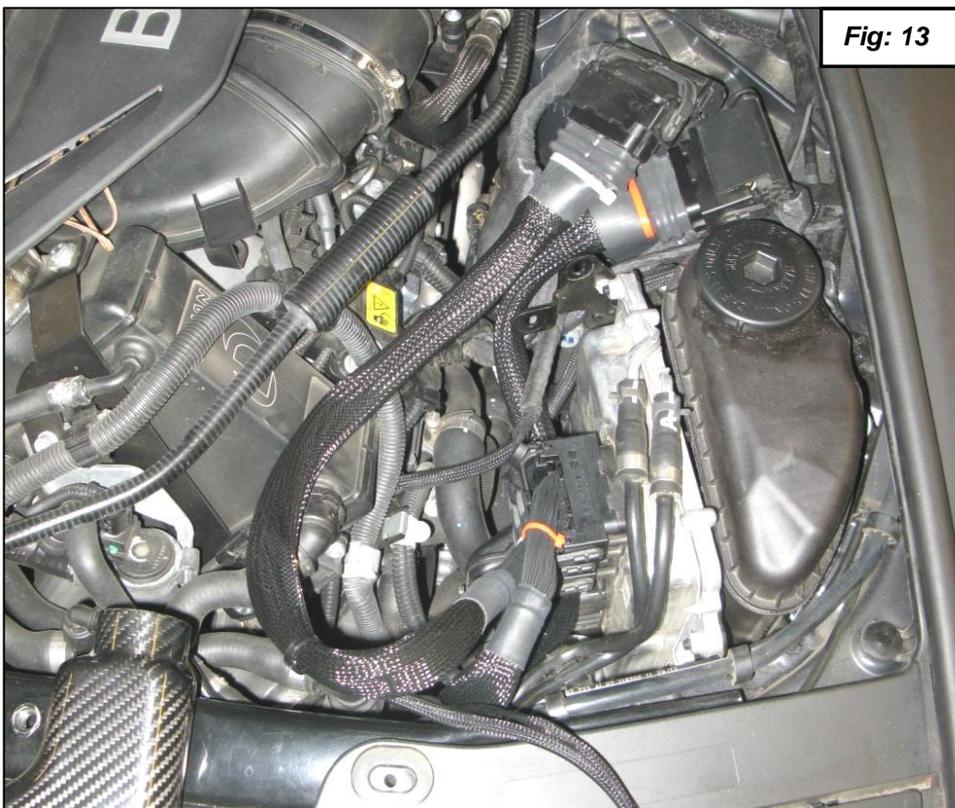


Fig: 13

Fig: 14



Fig: 15

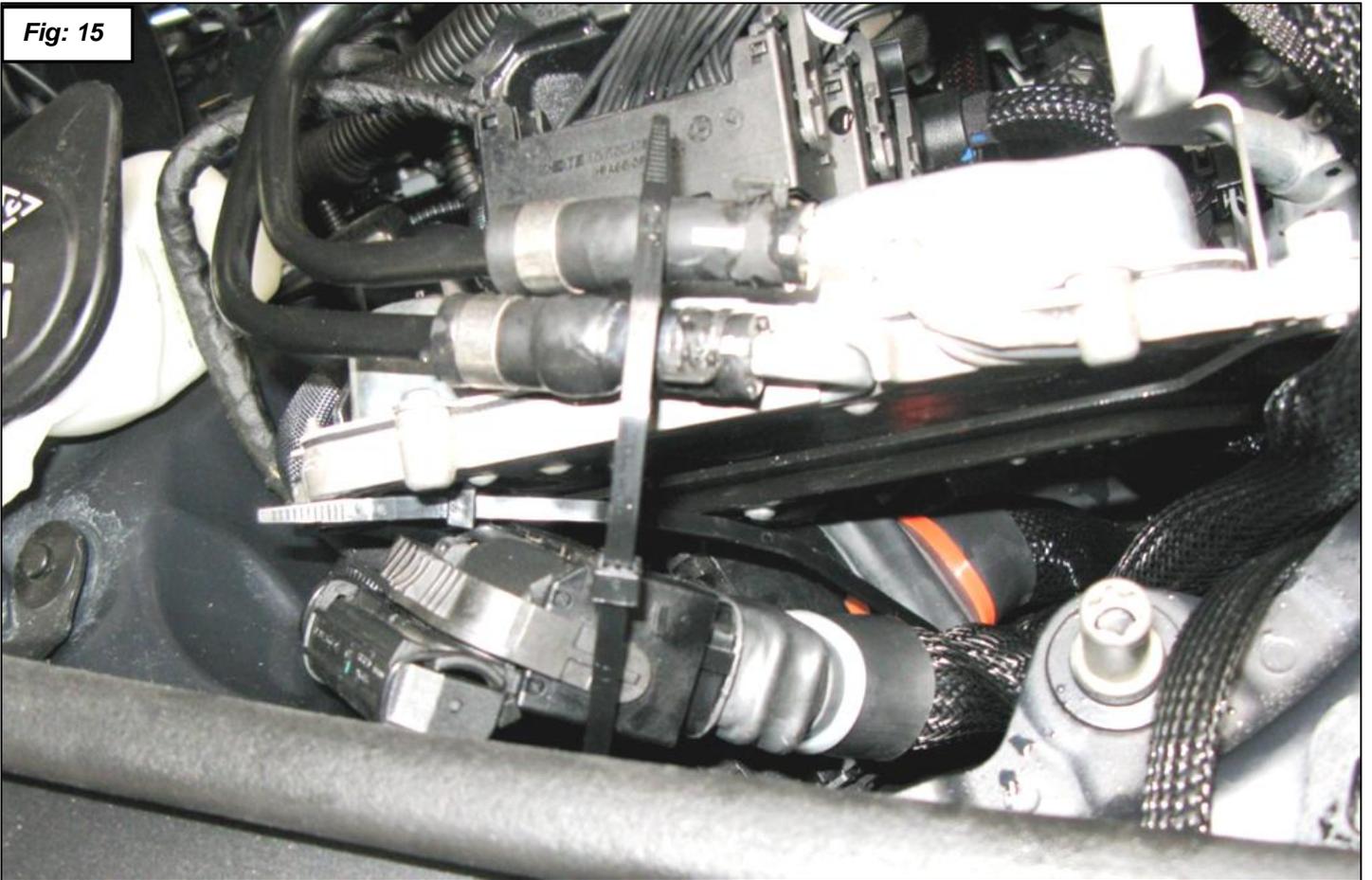
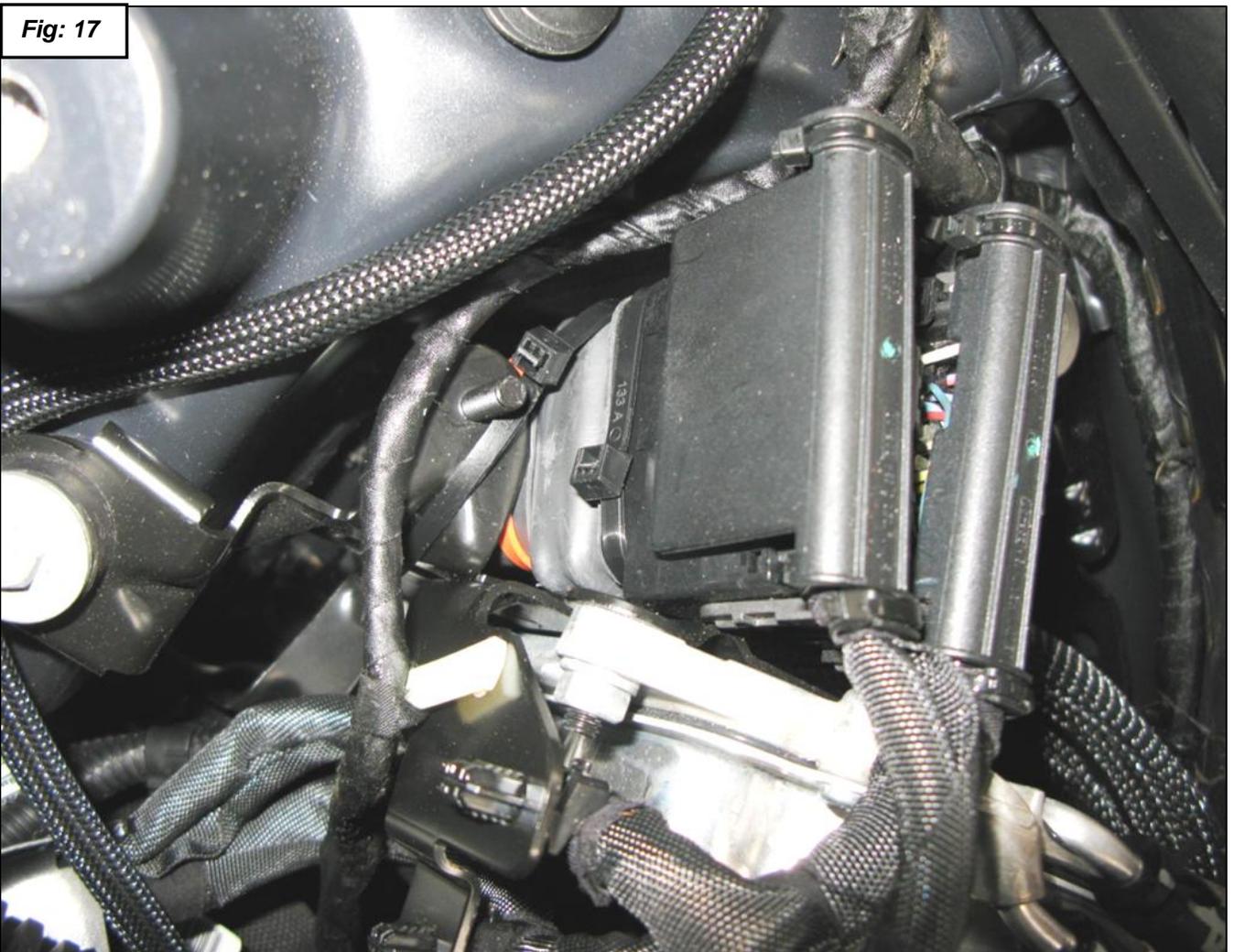


Fig: 16



Fig: 17



16. Install the air ducts back on the car after you route and zip tie the Interconnects as shown in figures 18 and 19.

Passenger side



Fig: 18

Driver's side below gets connectors zip tied to the bracket as shown.

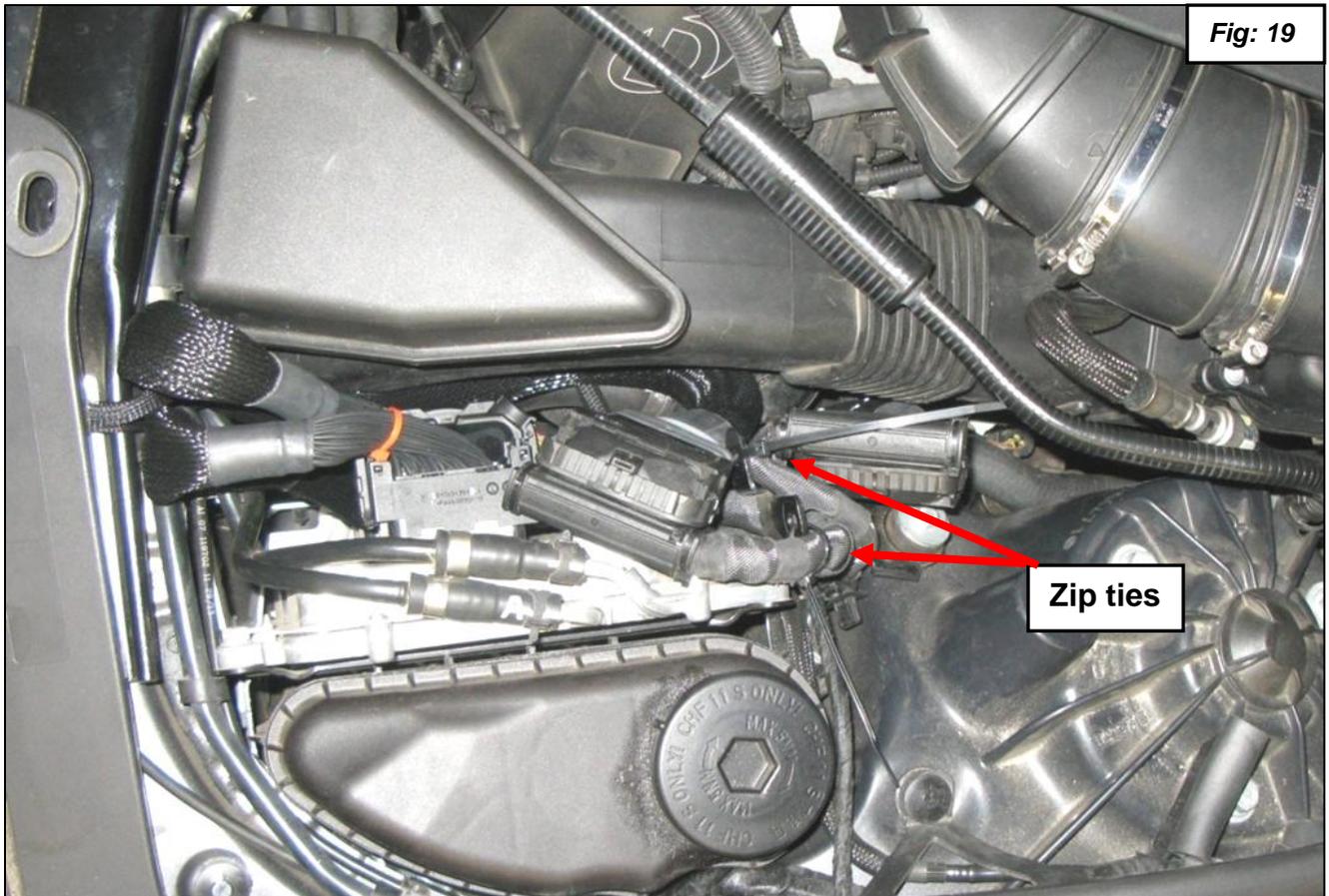


Fig: 19

Zip ties

17. The DinanTronics Performance Tuner Computer (DPT ECU) mounts on top of the radiator support as shown in figure 20. It gets held in place with Velcro strips.



Fig: 20

18. 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 21.
19. Attach the connectors to the DPT ECU starting with the large one first. See figure 21.
20. 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 figure 22.

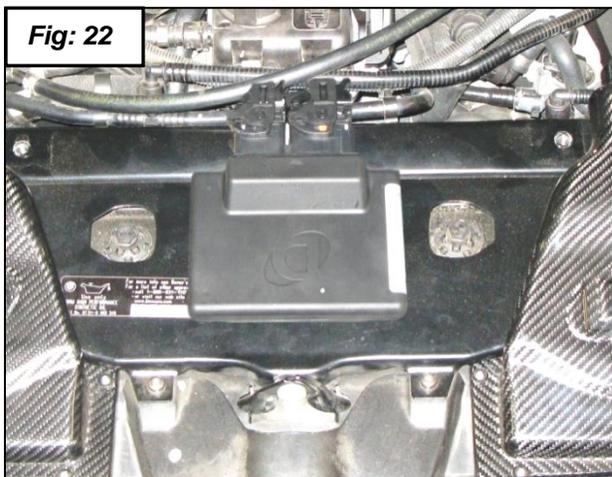


Fig: 22

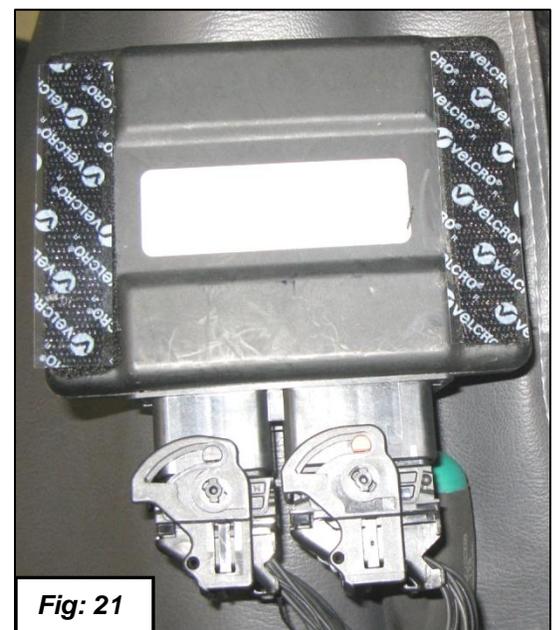
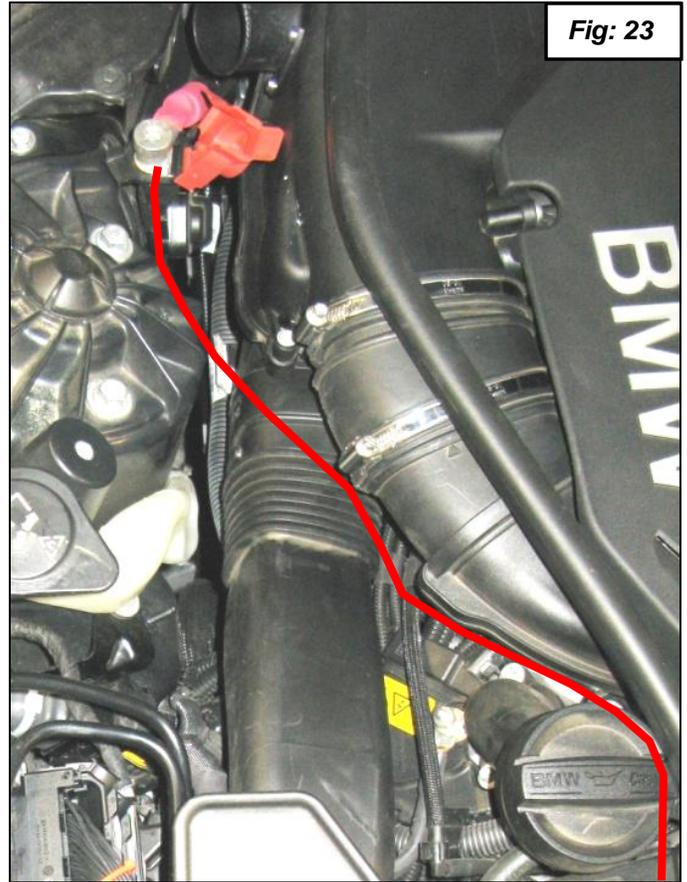


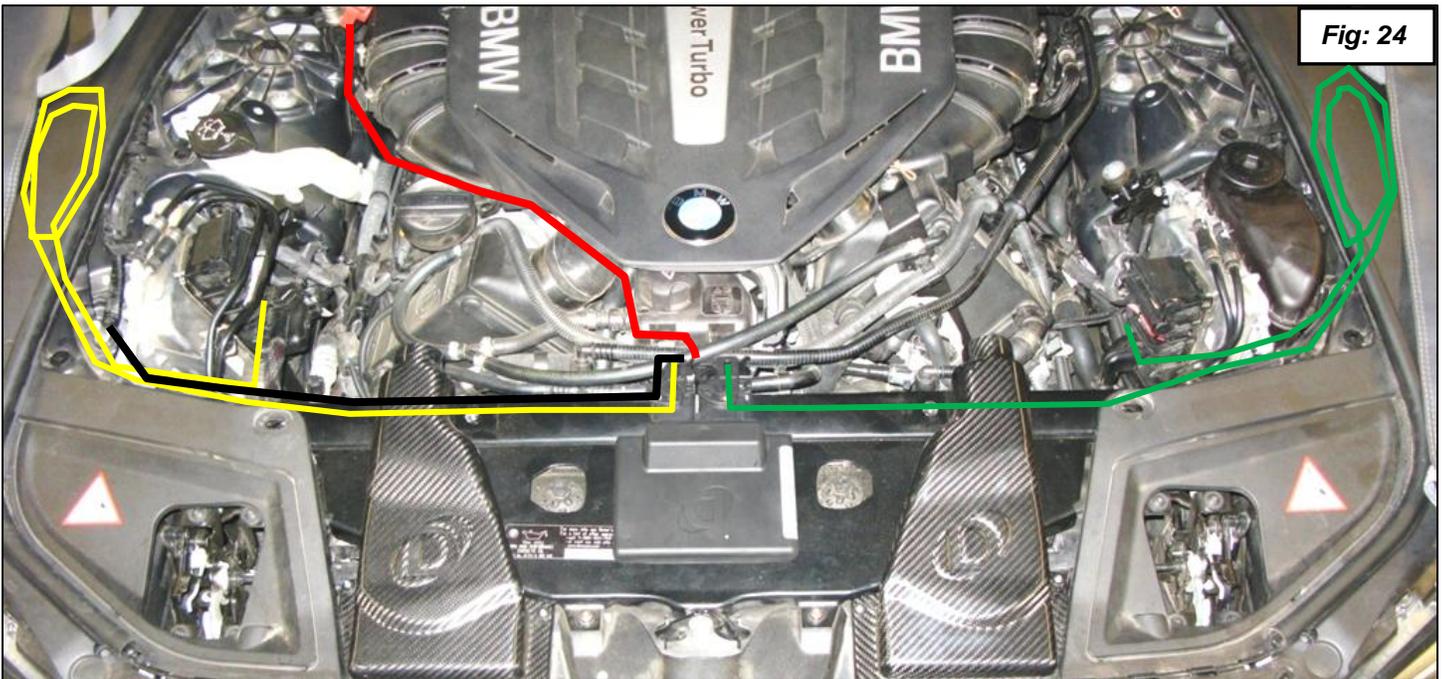
Fig: 21

Fig: 23

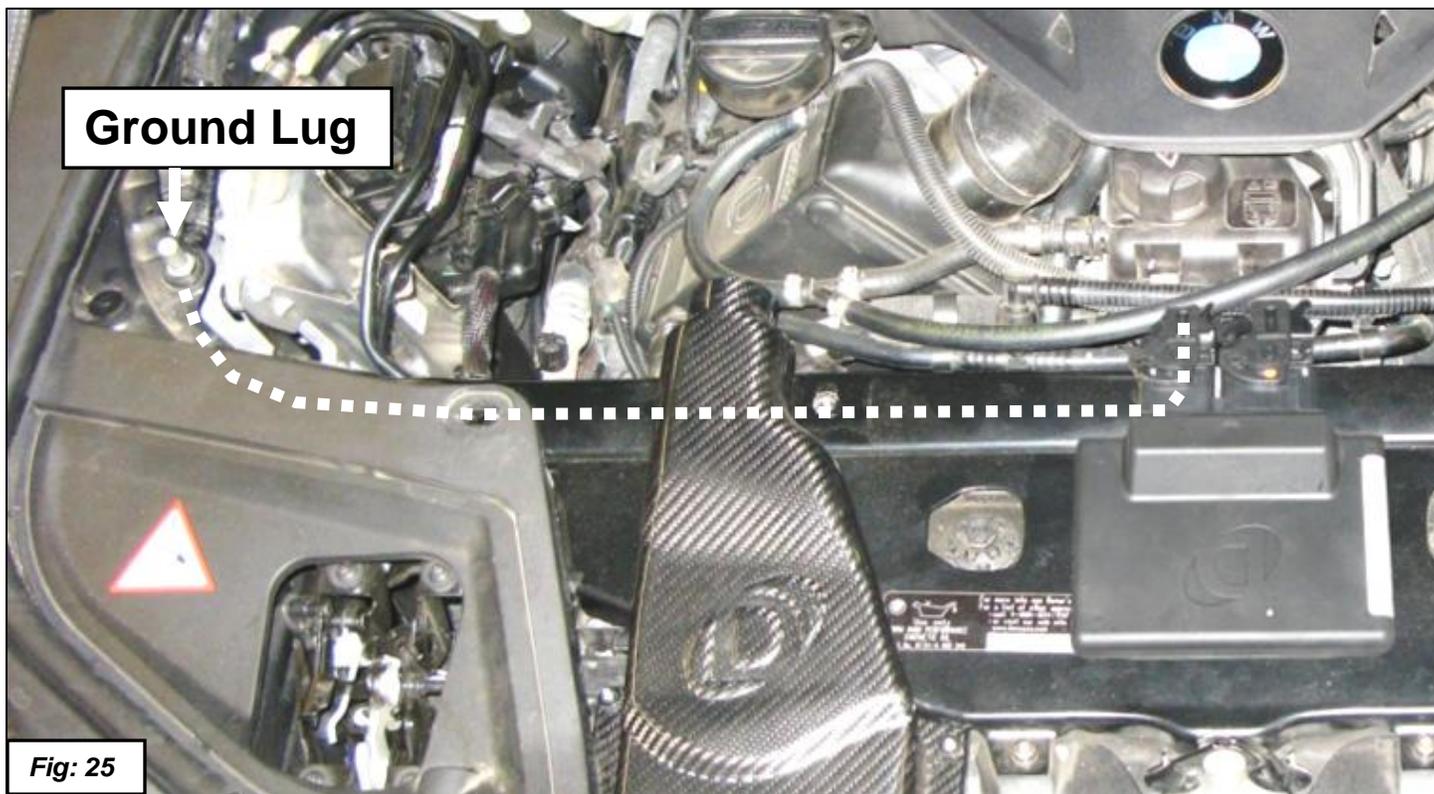


21. Connect the power wire to the positive battery lug. Route the wire as shown figures 23 and 24.
22. Route the harness along the front of the car under the radiator support on top of the fan shroud. Zip tie it to the existing wire attached to the fan shroud. See figures 22 and 29 in the S63 section for reference. Zip tie up the excess wire in a coil and tuck under the covers on the sides.

Fig: 24

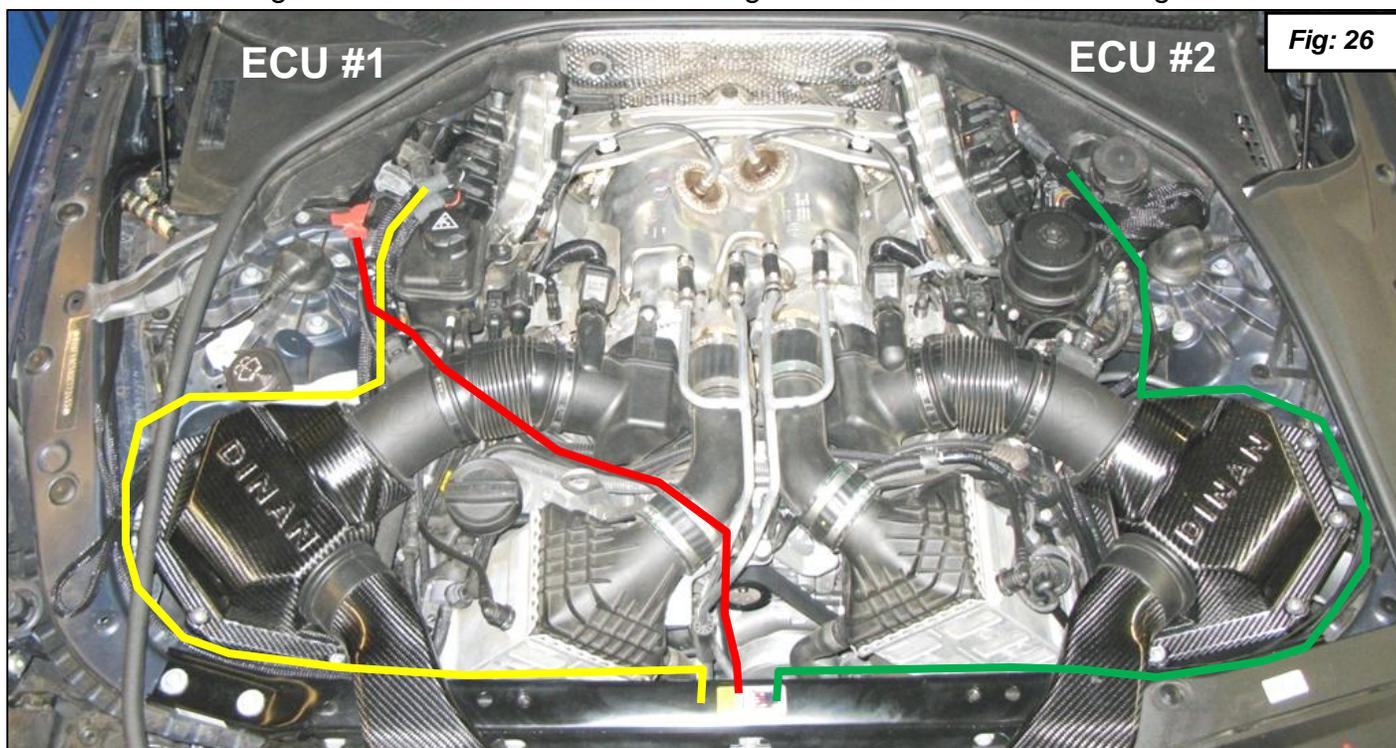


23. If your harness has a external ground wire along with the power wire you need to route it as shown in figure 25. Zip tie it to the stock harness.



S63 Photos for install

24. Some of the photos and instructions are shared with the N63. Follow the next steps while looking back at the earlier steps on the N63TU motor for details. Shown in figures 26 & 27 is the overall routing of the harness on a S63 engine.



25. Look at steps **3 to 14** 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 on the proper ECU. Passenger side is ECU # 1 and Drivers side is ECU #2.

26. Install the **Orange Interconnect** between **3B** and route as shown in figure 28.



Fig: 28

27. Install the **White Interconnect** between **2B** and route as shown in figure 29. Install the last large connector that is the three row plug. It has no interrupt and goes back on as stock in position (**1B**).

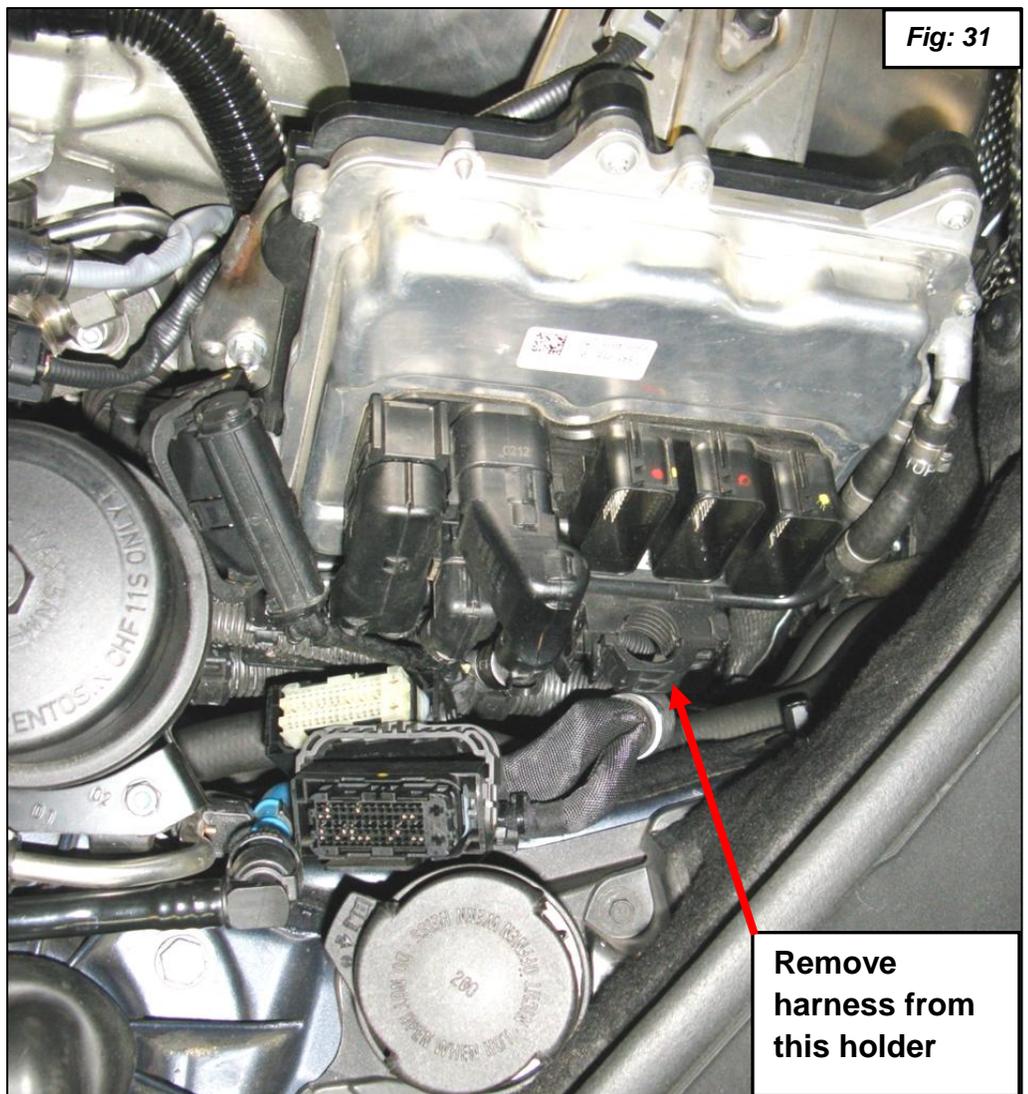


Fig: 29

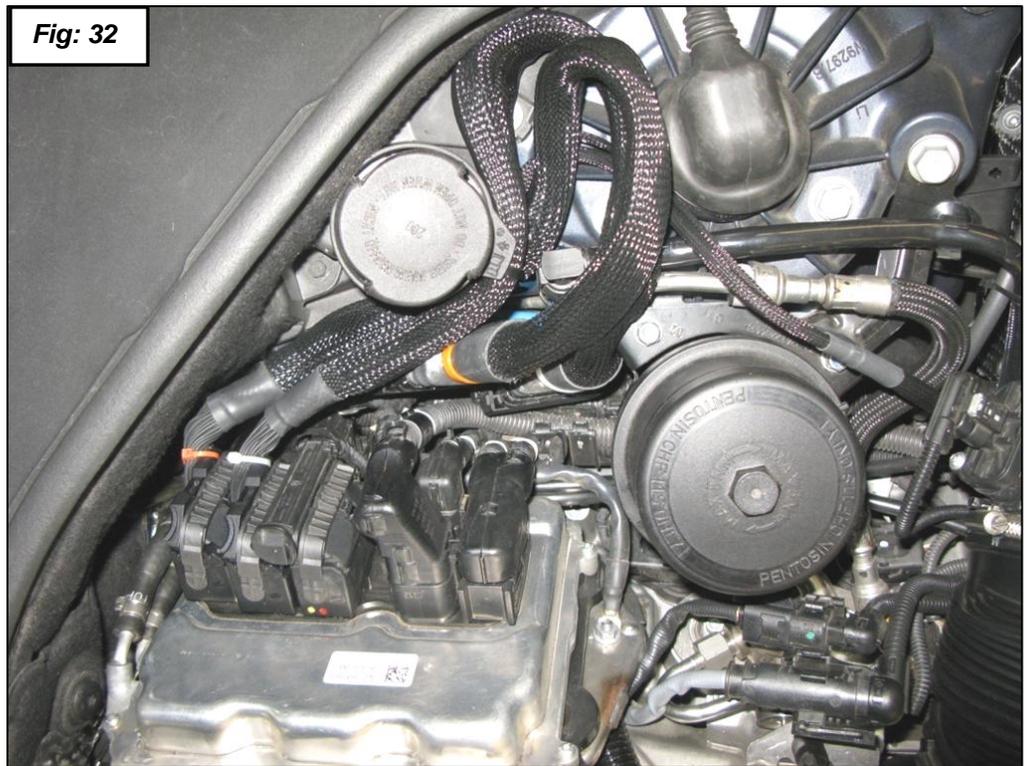
28. Route the two into one splice wires as shown in figure 30 following along the air box. There will be some excess wire, when you get the other side routed around the front of the engine. Zip tie a loop to harness as shown then pull the wire around front to go to the DinanTronics ECU that will mount on top of the radiator support.



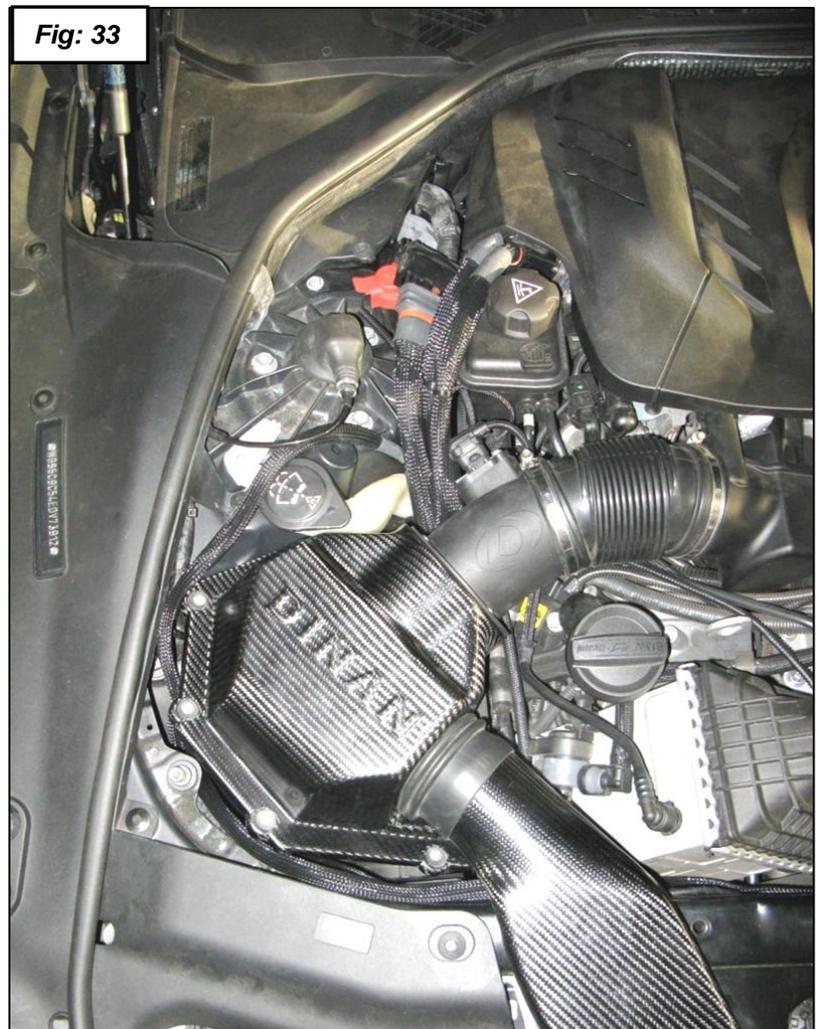
29. On the driver's side after removing the connectors you need to unclip the wire holder and remove the harness as shown in figure 31.



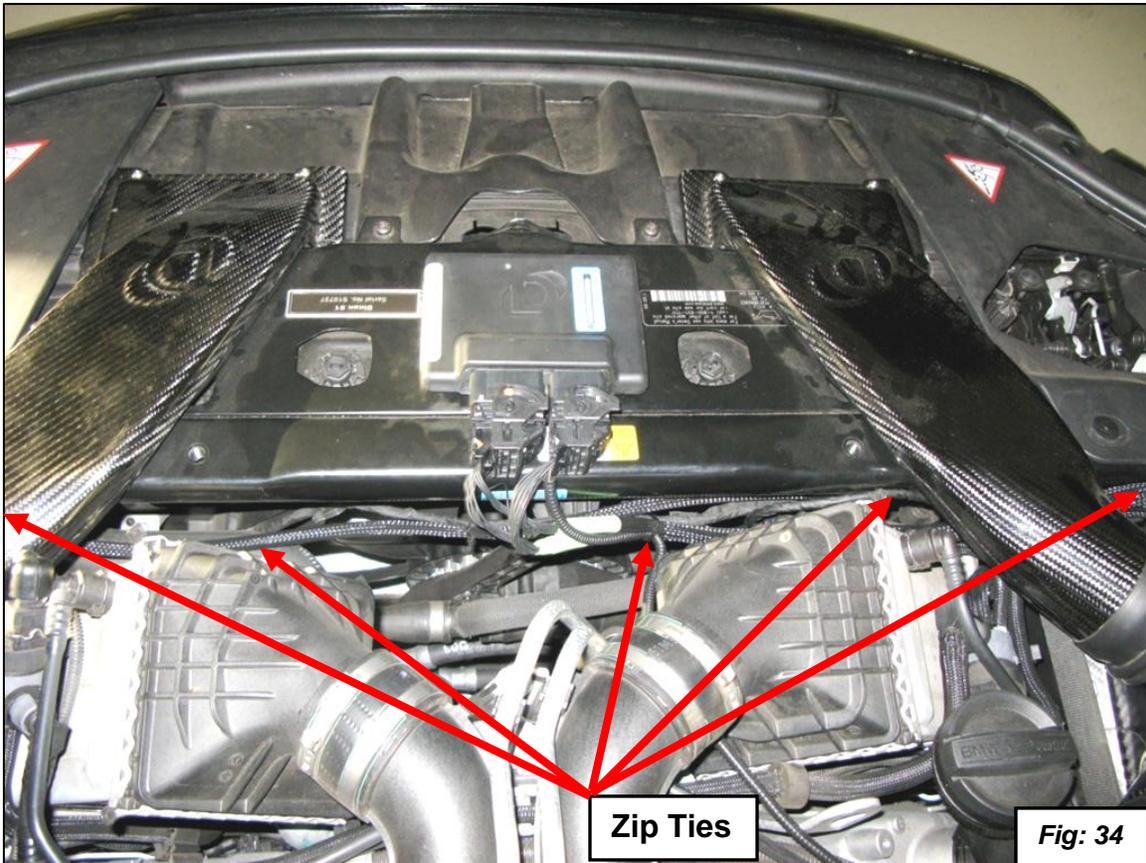
30. Install the **Interconnects** as shown in figure 32 following the previous instructions, keeping the **Orange 3b** and **White 2B Interconnects in the correct locations.** Route the harness as shown and zip tie the connectors to secure them.



31. Route the wires that go to the DinanTronics ECU around the air boxes to with the excess wire looped and zip tied as show in figures 29 and 32. Zip tie the harness as needed see figures 33 and 34.



32. Zip tie the wire to the stock harness in the five places shown.



33. If your harness has a external ground wire along with the power wire you need to route it as shown in figure 25. Zip tie it to the stock harness.

34. Install all the covers that you may have removed over the harness making sure the harness is under the rubber seal and not pinched.

35. On the S63 reinstall the engine cover.

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

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.



**F15 X5 & F16 X6
F85 X5 M & F86 X6 M**

V8 and 6 Cylinder Harness Upgrade Kit

INSTALLATION INSTRUCTIONS

PART NUMBER

D443-0028

APPLICATION:

2015-16 F15 X5 & F16 X6 (w/ N63TU or N55 engine)

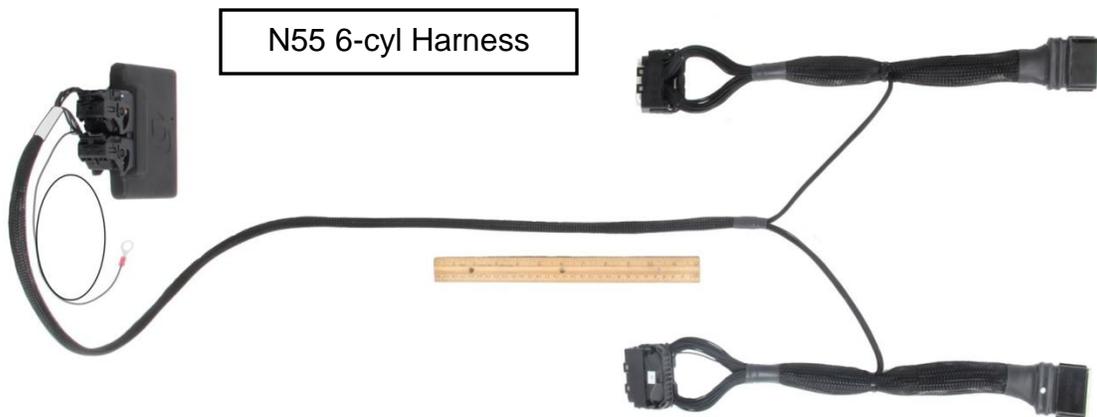
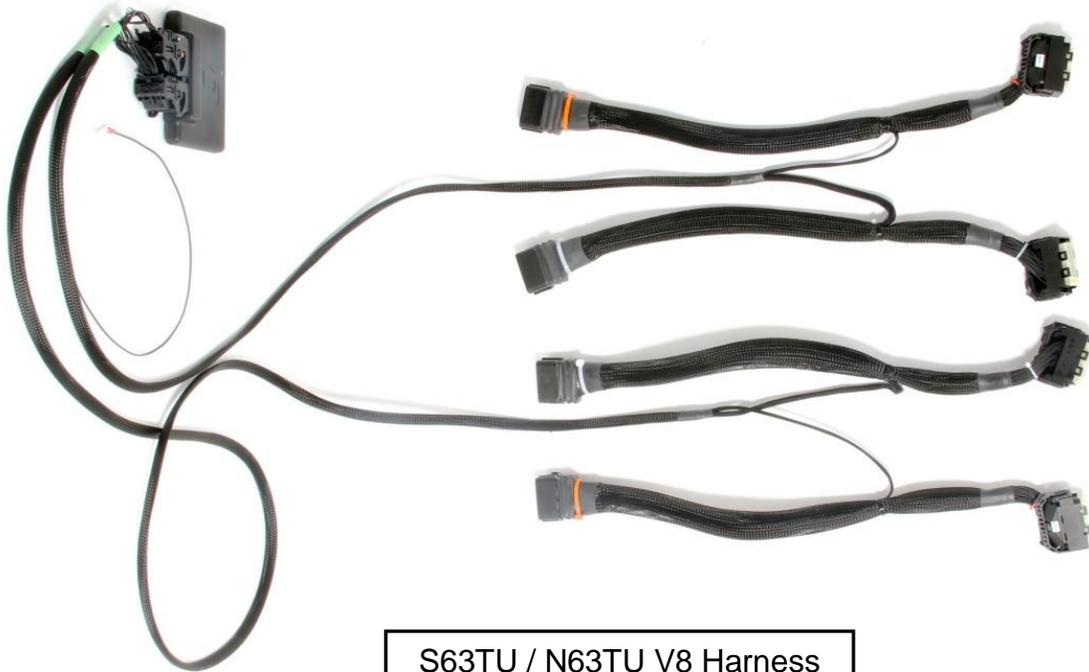
2015-16 F85 X5 M & F86 X6 M (w/ S63TU engine)

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.
- This upgrade kit is to be used along with a DINANTronics harness for either a S63TU / N63TU V8 or N55 6-cyl engine, and enables installation into a F15 X5, F16 X6, F85 X5 M, or F86 X6 M.
- The harness must have a GREEN BAND near the DPT ECU connectors if it's a V8, and a WHITE BAND if it's a 6 Cylinder as shown below.



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 behind the heat shield on the fire wall, they will melt!

Installation: Steps 1 - 39 are for N63TU V8;
Steps 40 - 43 are for N55 6-cyl

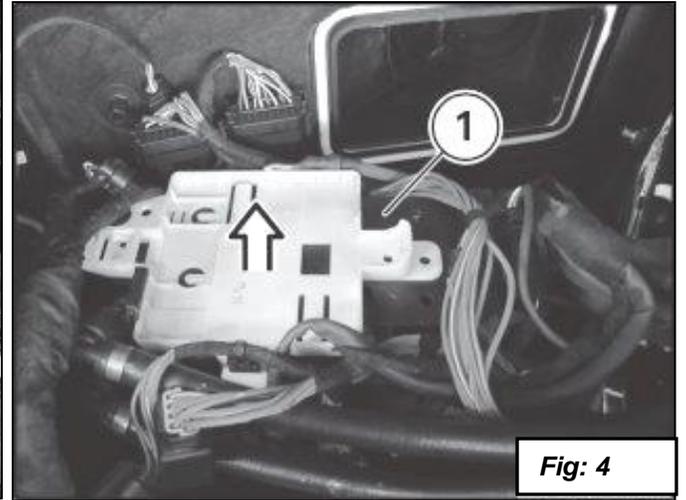
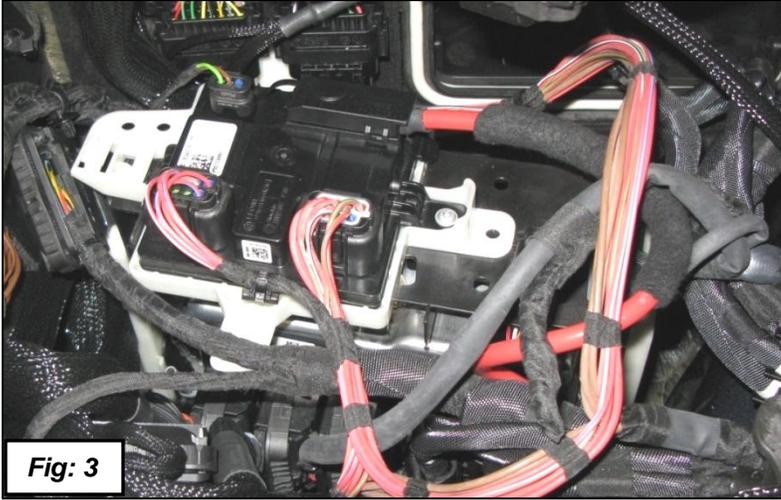
1. Disconnect the 2 negative battery leads. The batteries are in the rear under the lift up floor by the spare tire. Remove the battery cover upwards after removing the screws.
2. Remove the cowl covers shown in figure 1 by releasing the two expanding rivets in the front corners and unclipping them in the back corners after lifting them up.



3. Remove the micro filter and the air duct under that. The air duct is held in place in the front with an expanding rivet and two latches inside of the duct. See figure 2



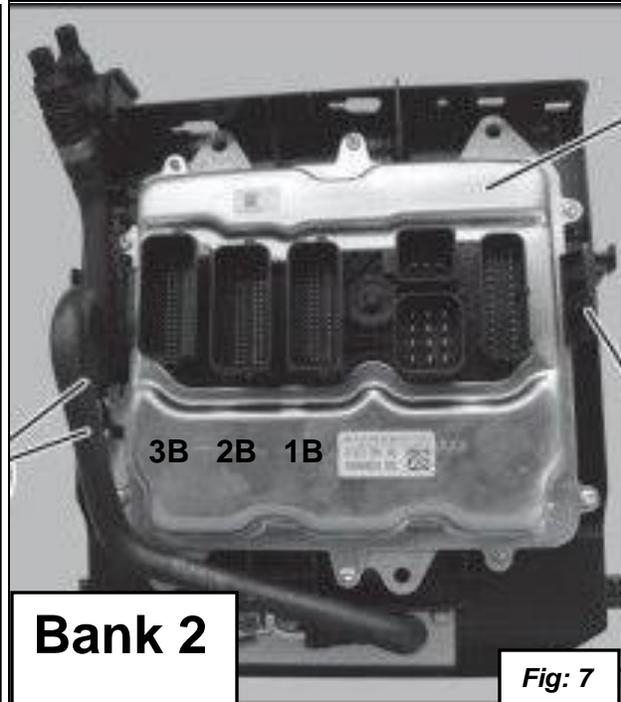
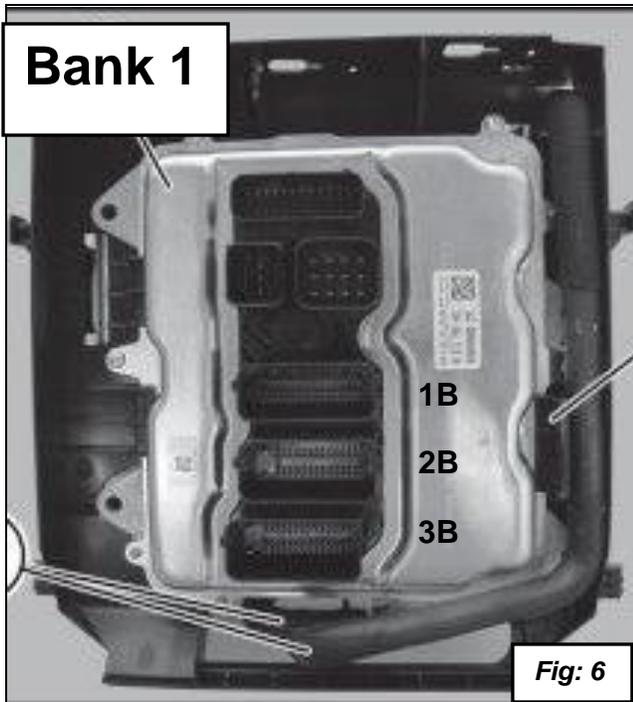
4. Remove the screw holding down the power distribution box. Leave the wires connected to it, detach it from the white plastic holder underneath it, and then pull it over to the side out of the way. Remove the white plastic holder (1) and set it aside until later. See figures 3 and 4.



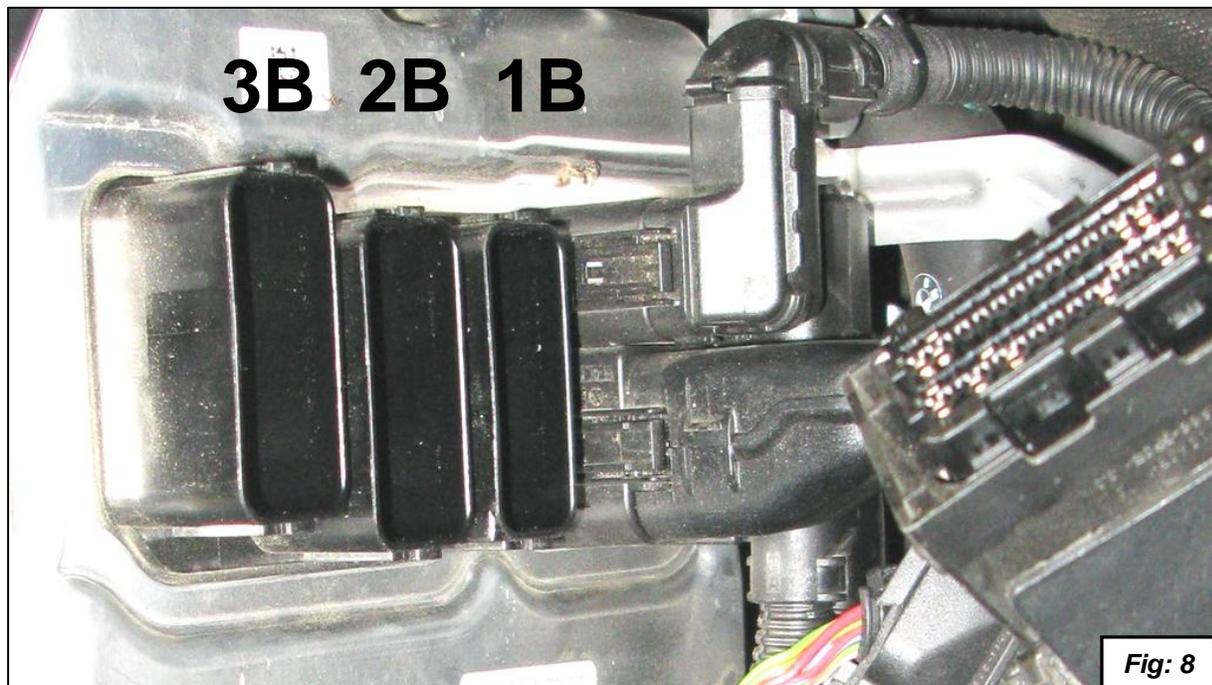
5. Pull the control unit holder slightly upwards until all the connectors on control units are accessible. See figure 5.



6. There are 2 computers attached to the control unit holder. The control unit for **Bank 1** (1-4) is mounted on the back side towards the fire wall and the connectors are arranged vertically. See figure 6. The front control unit is for **Bank 2** (5-8) and is mounted with the connectors horizontally. See figures 6 and 7.



7. Disconnect the first three large connectors on each of the engine control units. See figures 6, 7 and 8. You have to start with the middle large connector (1B) and work your way over to connector (3B). You will be connecting the DPT wire harness connectors between the stock ECU and the stock ECU connectors.

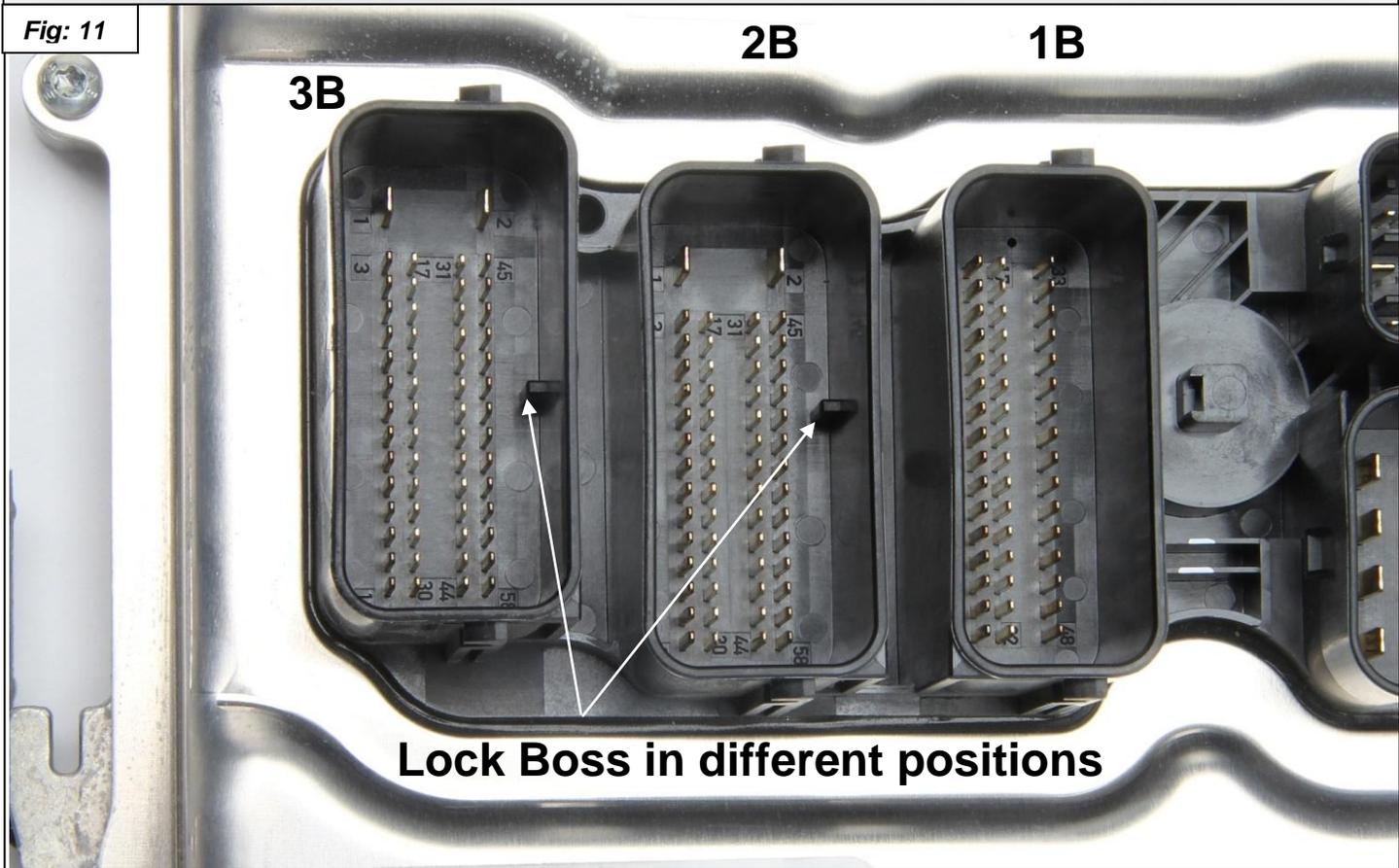
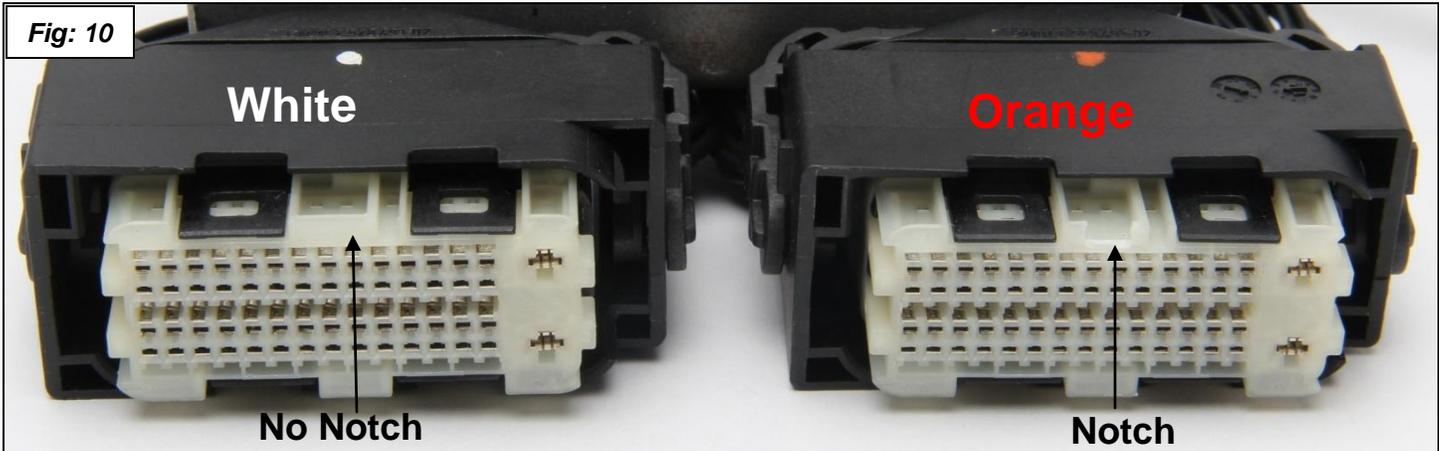


Dinan has supplied you with a spray can of connector lubricant. You will need to spray it on all the connectors you remove and all the Dinan connections as you install them. Start by spraying the pins inside the connector housings on the ECU. Spray inside each end of each connector as you install them. **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!**

8. Lay the DPT Harness on the car to identify the connectors so you can install them in the correct locations. **You will be disconnecting the installed interconnects to be able install the rubber sleeves. Disconnect as few connectors as you can and spray those before reconnecting.**
9. The DPT Harness has two pairs of two interrupt sections that connect at the stock ECU's. The BMW connectors on the Dinan harness are marked **2B #1 and 3B #1** on one pair, and **2B #2 and 3B #2** on the second pair. The pair with the **#1** goes to **Bank 1 computer** at the back and the pair with the **#2** go to **Bank 2 computer** at the front. The two interrupt sections on each pair are also color coded so you can put them in the right locations. The **3B** set has Orange zip-ties on the connectors, and the **2B** set has White zip-ties. See figure 9 it shows the colored zip ties and the I.D. labels.



10. The BMW connector ends of the Dinan interrupt sections are the same except for the color code. The Orange dot 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 10 and 11.



11. The Orange Interrupt sections get 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.

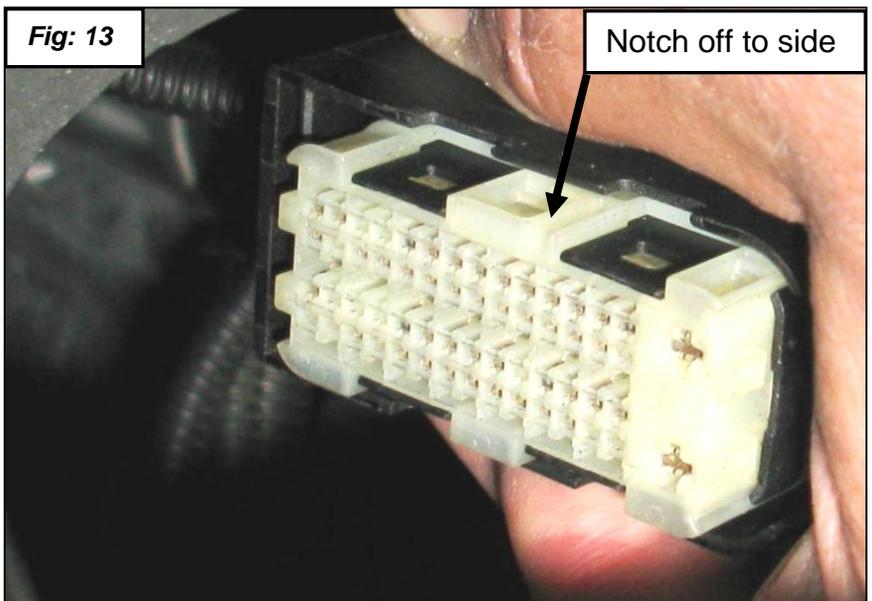
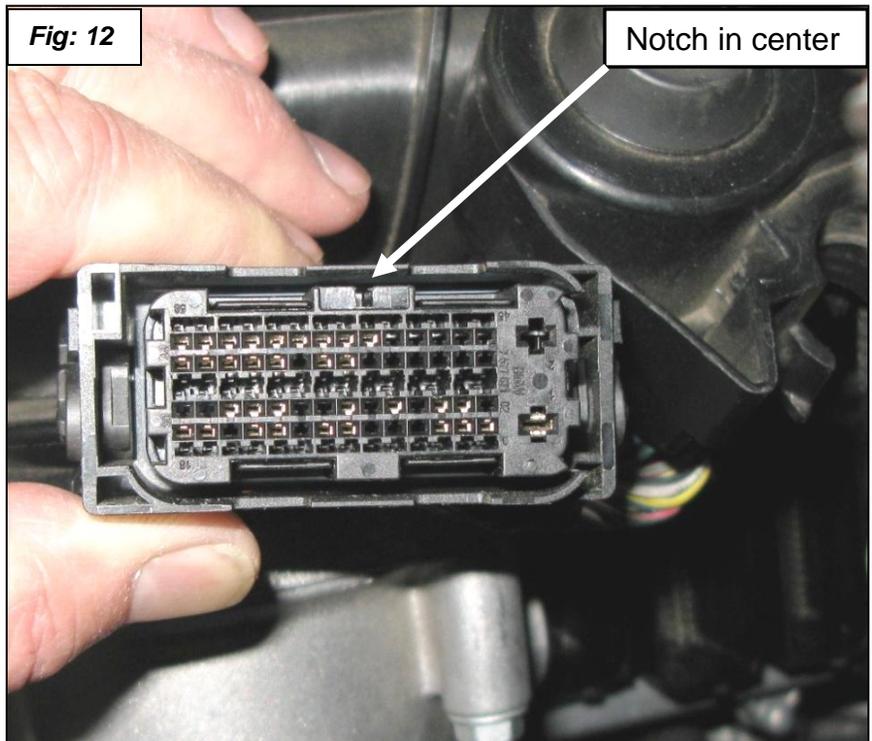
12. Install the Orange Dinan interrupt connector between position 3B on the stock ECU and the stock wire connector. See figures 7, 8 and 9.

13. Repeat the install on both the front **Bank 2** (5-8) ECU after you install the interconnect on the rear **Bank 1** (1-4) ECU.

14. 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 and 11.

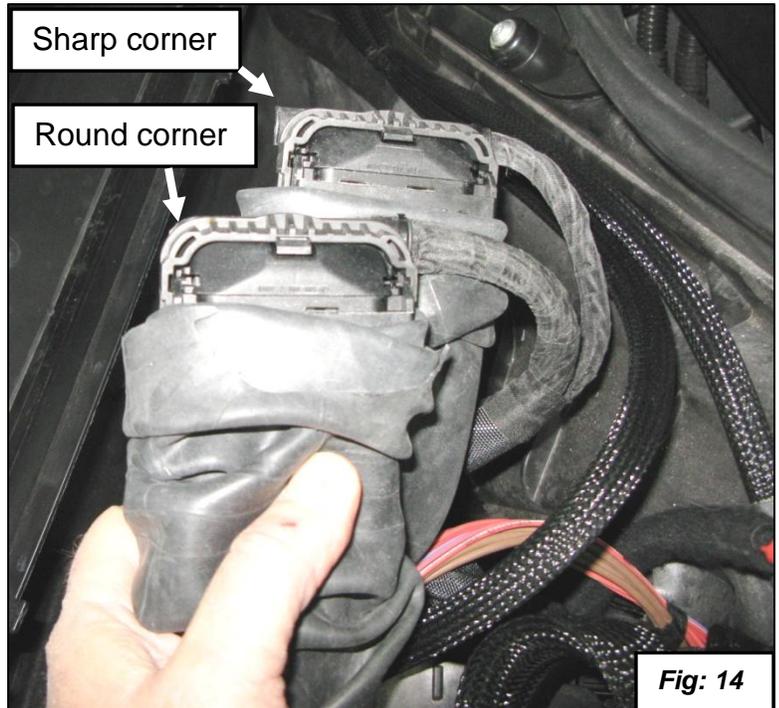
15. Install the White Dot Dinan interrupt connector as shown in figure 11 and locate as shown so you can install the next connector.

16. Install the last large connector that is the three row plug. It has no interrupt and goes back on as stock in position (1B).



17. On the 8 cylinder X5/X6 cars you will need to cover the interconnect connectors with the supplied rubber sleeves to help keep the water off of them. Pay careful attention to the following steps.
18. There are 2 small diameter and 1 large diameter rubber sleeves. The 2 small diameter sleeves go over each individual interconnect connector on the DPT harness on the rear Bank1 ECU (2B and 3B). The large diameter sleeve goes over both 2B and 3B connectors on the DPT harness for the front Bank 2 ECU.

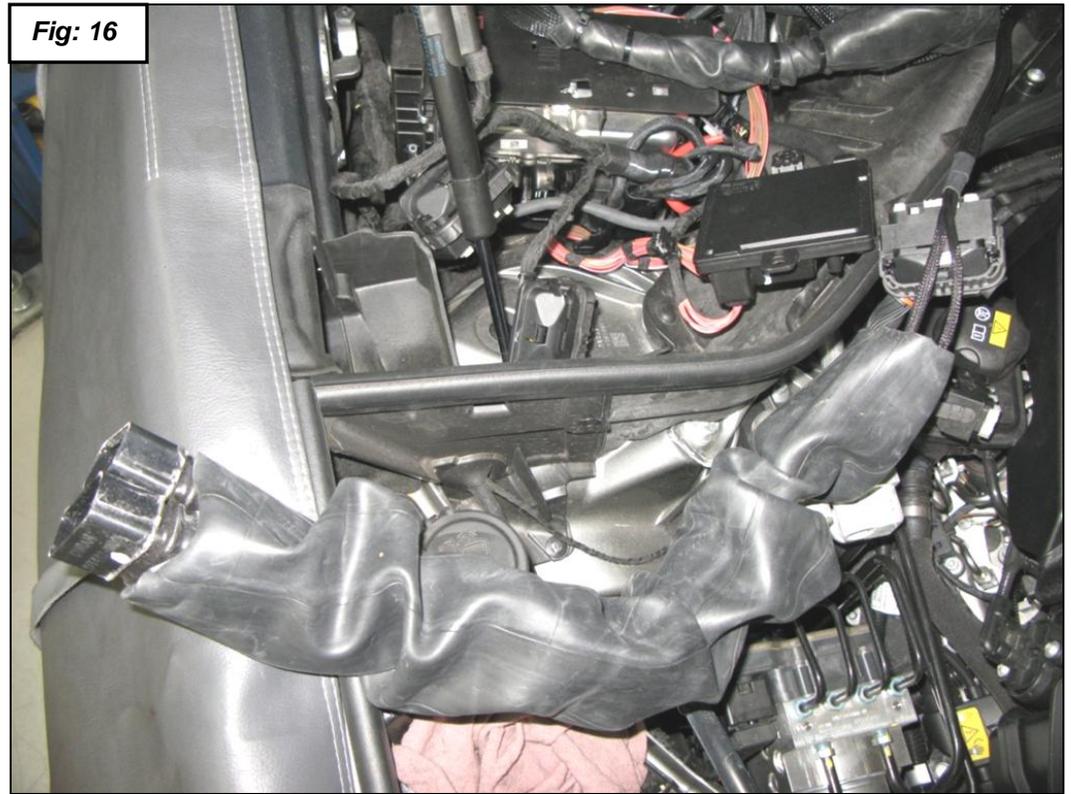
19. On the rear Bank 1 interconnect connectors, slide the rubber sleeves over the harness interrupt sections. Attach all the interconnect connectors together. If your connectors have the sharp corner like the upper one shown, you need to trim it with cutting pliers so it looks like the lower connector. See figure 14. Do this on all the connectors so the sharp corner won't poke thru the rubber sleeves.



20. Stretch the rubber sleeve out over the harness interrupt section and pull it up to the intersection where the 2 sections come together. Zip tie in 3 or 4 spots as needed on each end as shown in figure 15.



21. On the Front Bank 2 interconnect connectors; slide the large single rubber sleeve over both of the harness interrupt sections as shown in figure 18. Check for sharp corners as before and trim round if needed.



22. Attach all the interconnect connectors together. Pull the rubber as far onto the engine harness as you can. See figures 16, 17 and 18.



23. Zip tie the rubber sleeve in 3 or 4 spots as needed on each end as shown in figure 20.



24. Pull the harness interrupt connectors around and connect to the ECU's as shown in the next step making sure you connect them in the correct locations using the previous steps for identification.

25. Shown in figure 19 and 20 are the interconnects connected to the two ECU's.

Rear Side
Bank 1 (1-4)
Vertical



Fig: 19

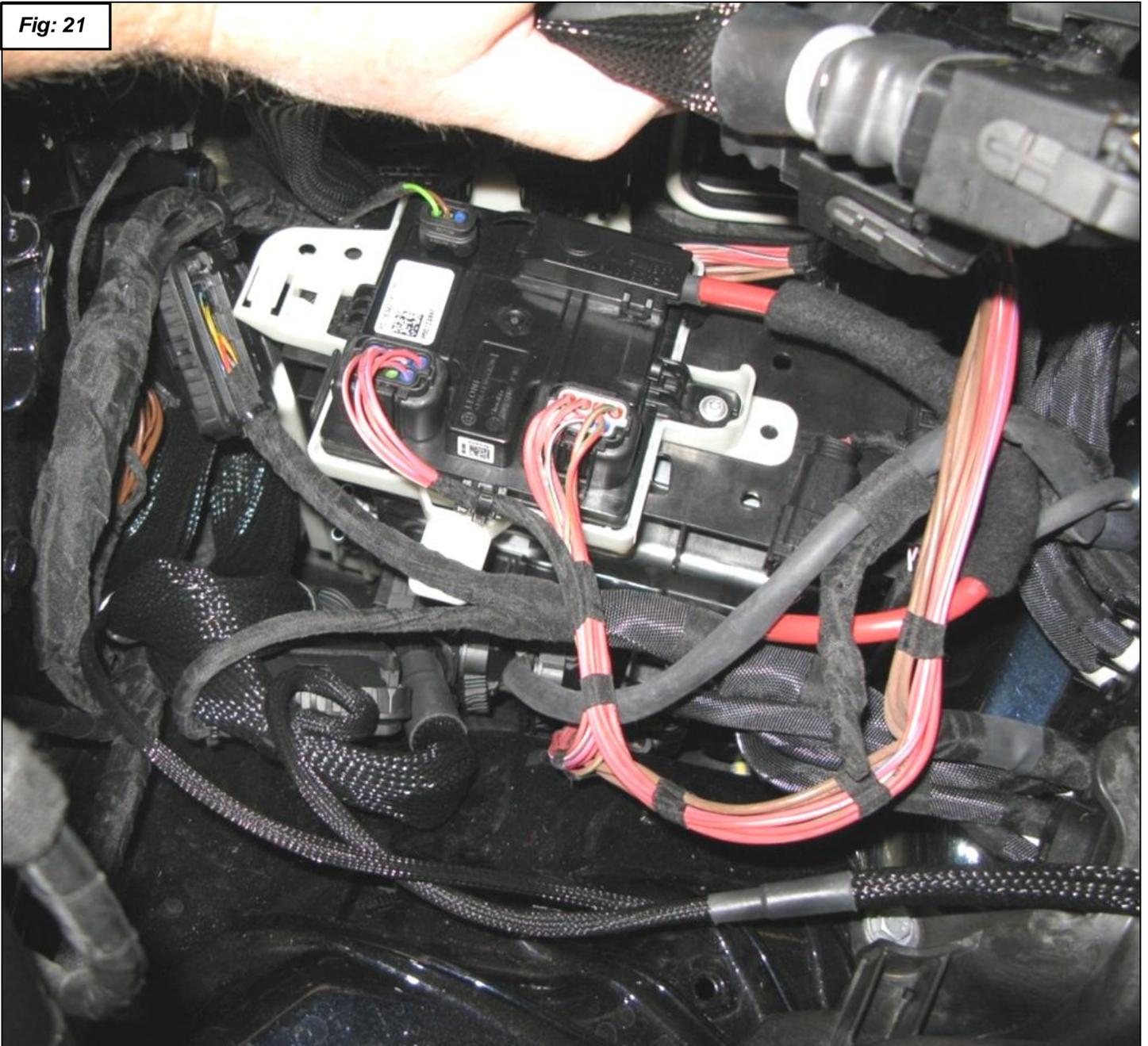
Driver's side
Bank 2 (5-8)
Horizontal



Fig: 20

- Slide the control unit holder down into place while holding up the rear interconnects from Bank 1. The Bank 1 interconnects need to be routed under where the vent duct for interior goes and with the connection to the stock engine harnesses placed up high on the cowl. See figures 21, 22 and 23. Reattach the power distribution box.

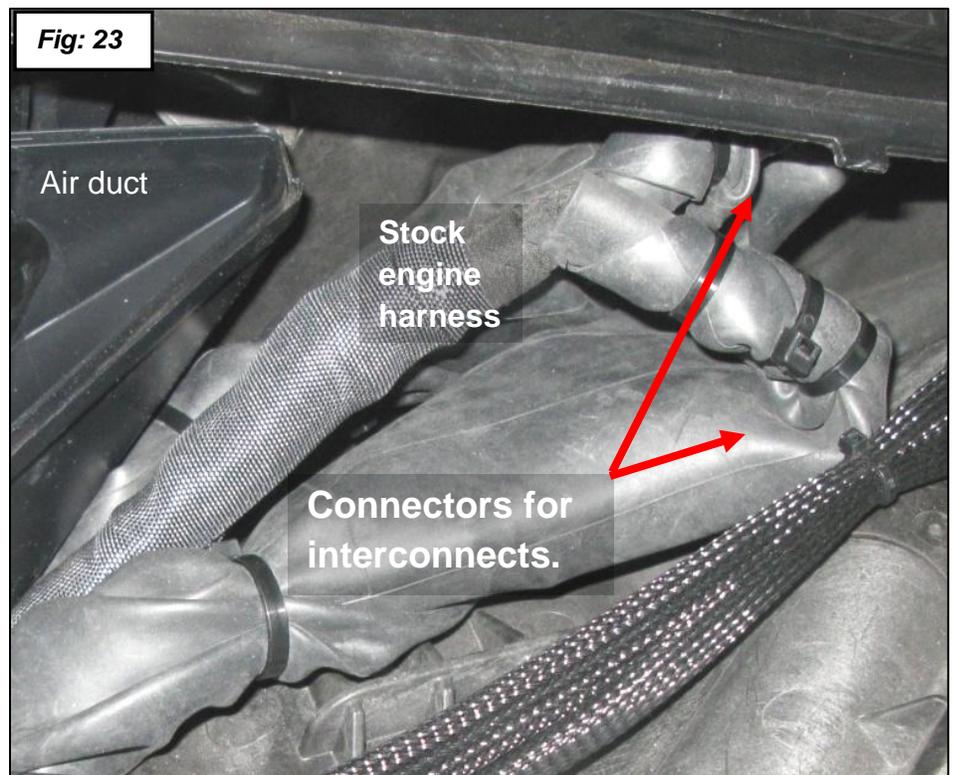
Fig: 21



27. Route the wires as shown on both ECU's as shown in figures 22 and.23.



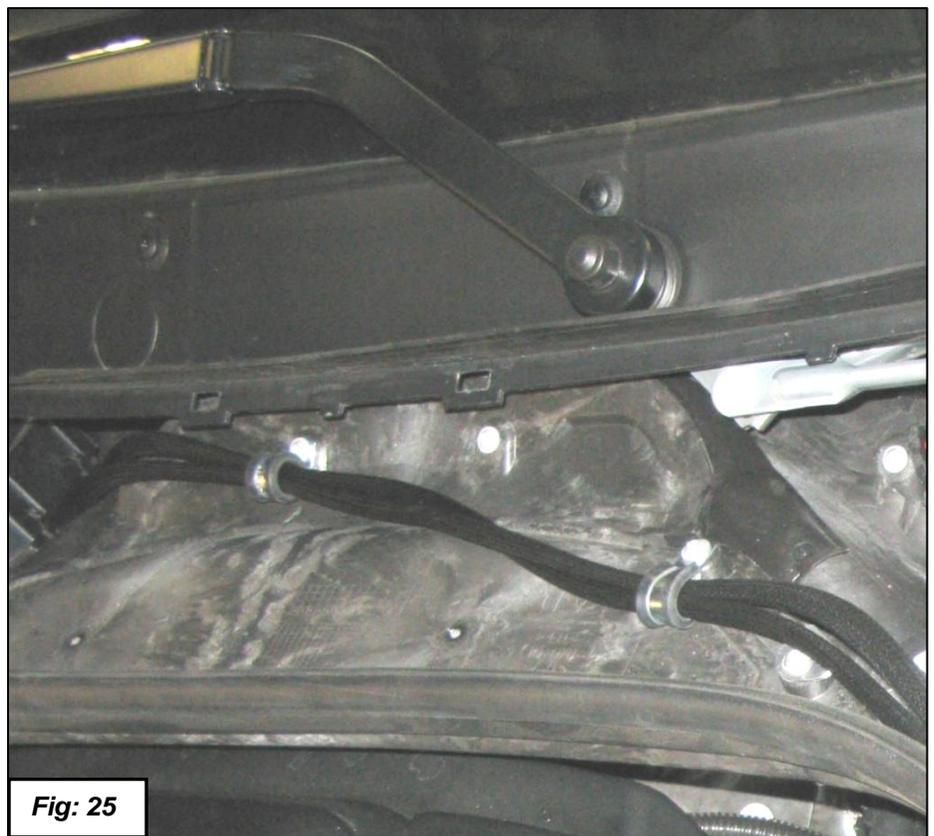
The interconnects for the back ECU (Bank 1) need to be pulled forward as you insert the air duct, snap it back in place then pull the interconnect back around as shown. Keep in mind that the micro filter also needs to go on. It is a tight fit but can be done with a little trial and error. Loop the front interconnects for the front ECU (Bank 2) as shown under the mount for the air duct.



28. Reinstall the Micro Filter taking care to run the wire that go to the DINANTronics box as shown in figure 24. Also move the interconnect harness as needed. Make sure the wires are not pinched.



29. Run the wires for the DINANTronics box as shown securing the with the supplied loop clamps using the screws in the engine bay partition. The loop clamps are there to keep the wire out of the wiper arm when it's in motion. See figure 25.



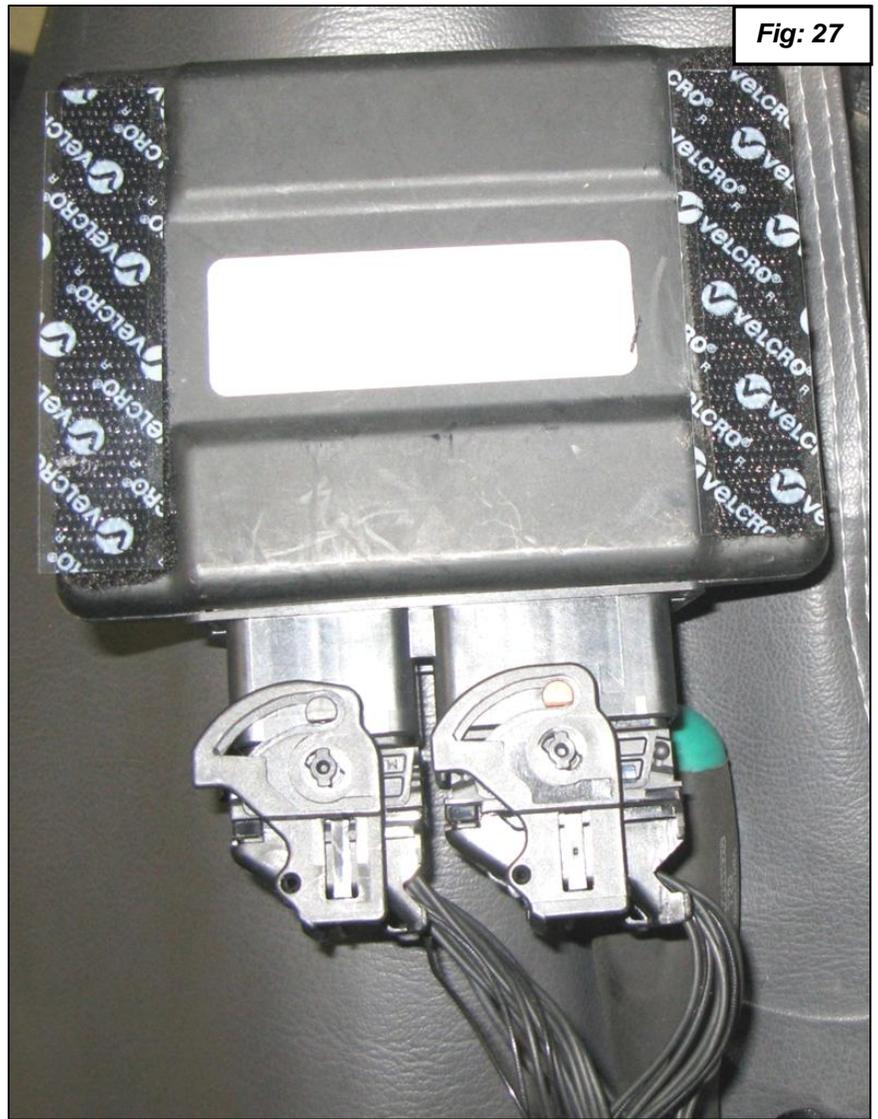
30. Install the DINANTronics box bracket using the wiper motor screw and the screw in the engine bay partition. See figure 26.



Fig: 26

Fig: 27

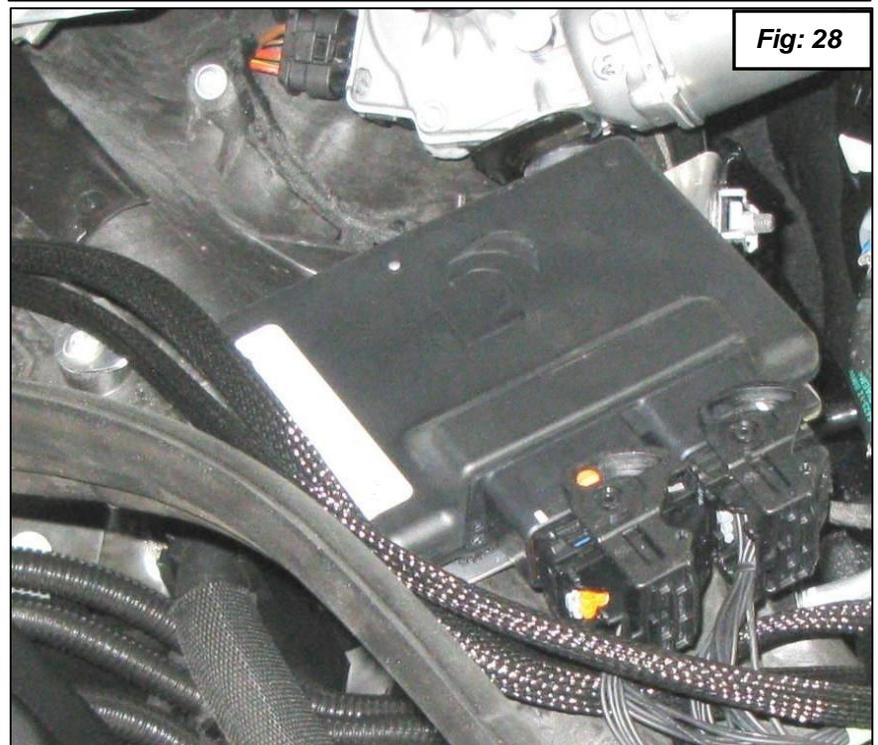
31. Attach Velcro strips using the double stick tape to the back of the DPT ECU. Attach the hard hook side of the Velcro to the box after cleaning the surface first. See figure 27.



32. Attach the connectors to the DPT ECU starting with the large one first. See figure 27.

33. 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 28.

Fig: 28



34. Route the wires as shown in figure 29. Run the power wire to the fender and slide in the rubber slot shown. Connect the power wire to the battery lug. Loop the excess wire and zip tie it.



Fig: 29

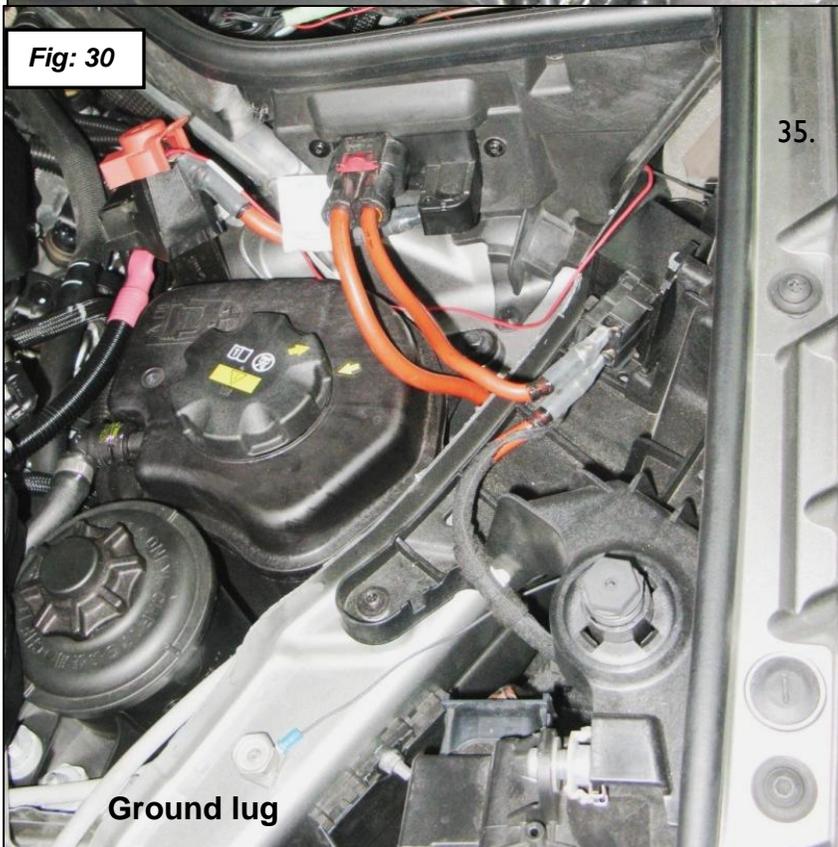
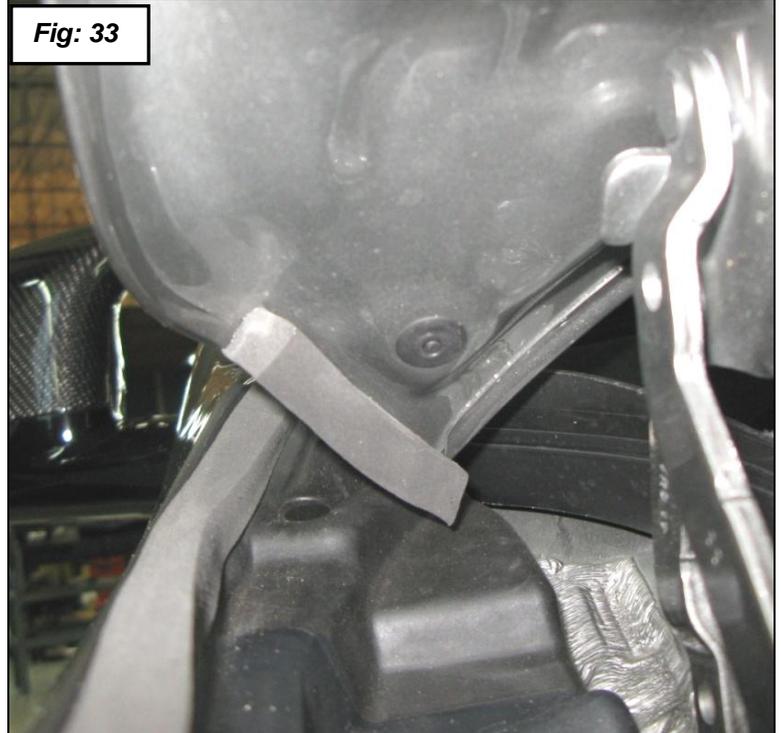


Fig: 30

Ground lug

35. If your harness has an external ground wire along with the power wire you need to route it as shown in figure 30. Zip tie it to the stock harness.

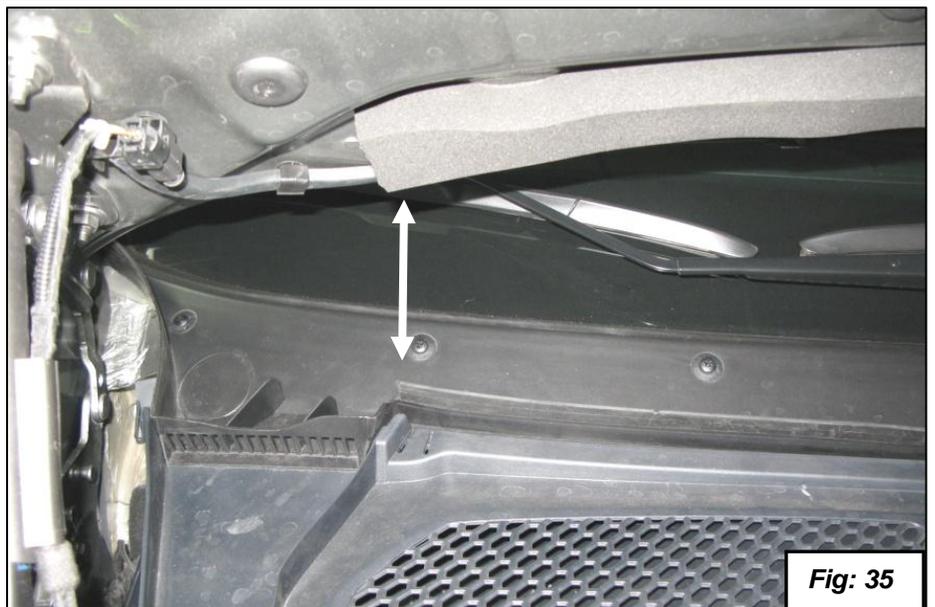
36. Install all the covers over the harness making sure the harness is under the rubber seal and not pinched.
37. Reinstall the cowl cover over the DPT ECU.
38. Secure all the wires with zip ties and replace all covers.
39. Install the foam on the inside lip of the fender as shown in figures 31, 32 and 33.
Clean the surface before bonding.
Start the long piece of foam right around the crease as shown in figure 33.
The short piece of foam attaches on the hood, under at the back corner as shown in figure 33.



40. Install the 1" x 2" x 44" foam along the underside of the hood as shown in figures 34, 35 and 36. Clean the surface before bonding.



Start on one side straight up above where the drain is; overlap a little as shown in figure 35. Attach a little at a time and work your way across the hood pulling the protective paper off a little at a time. See figure 36.



41. Skip to step 46.

N55 6 Cylinder Install

42. 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 X5 is where you mount the **DINANTronics** box and the wire routing to it.
43. Mount the **DINANTronics** box to the same bracket that is shown in the V8 instructions above (steps 22 thru 26), except you route the wires through the same slot that the power wire was run previously.
44. Another difference is you **do not** need to install the foam to the hood and fender.
45. Secure all the wires with zip ties and replace all covers.
46. If necessary, program the DPT ECU following the instructions supplied with it.
47. 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.

Chassis	Engine	Vehicle	Wastegate	Stage 1 ECU	Stage 2 ECU	Stage 3 ECU
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



DEALER / DEVICE INFORMATION

DEALER ID** _____

ORDER # _____

DEVICE MAC ADDRESS** _____

WIRING HARNESS SERIAL NUMBER** _____

VEHICLE INFORMATION

VIN # (LAST 7 DIGITS)** _____

MILEAGE _____

YEAR/MAKE/MODEL _____

X DRIVE AUTO MANUAL DCT

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

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



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.