



INSTALLATION INSTRUCTIONS

PART NUMBER D440-0054

APPLICATIONS:

2015-18	W205	Mercedes AMG C63, C63 S
2016-17	W463	Mercedes G550

PARTS LIST

Qty	Part #	Description
1	D443-0043	DINANTronics Elite ECU
1	D442-0051	Harness
1	D443-0042	Bypass Plug
10	D502141	Zip ties
4	DT441-0022	HD Velcro Strips

Congratulations for being selective enough to use DINANTronics Elite Performance Tuner. We have spent many hours developing this kit to assure that you will receive maximum performance and durability with minimum difficulty in installation. Please take the time to read these instructions and call us if you have any difficulties during the installation.

NOTE: This kit does not fit all combinations of vehicles & engines. Please pay careful attention to the vehicles listed above. Do not install this kit if your specific vehicle configuration is not shown. Please contact your Dinan representative if you have any questions.

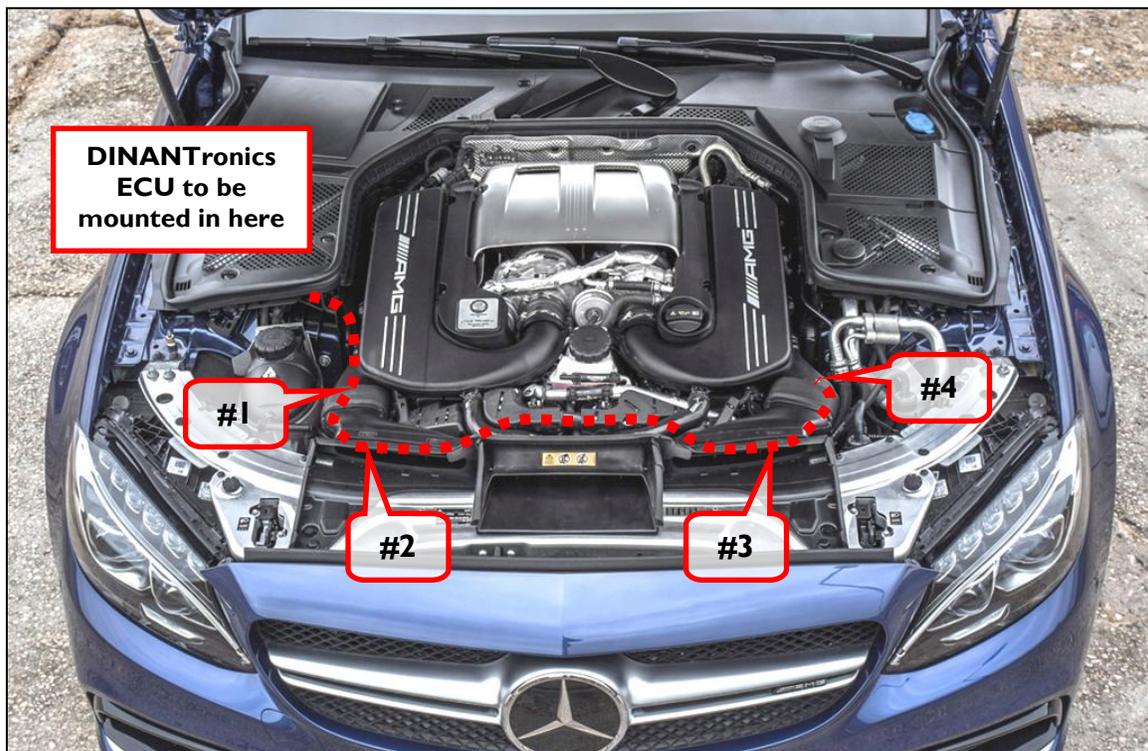
PREPARE VEHICLE FOR INSTALLATION:

- a) Park vehicle at the location where you will be installing DINANTronics.
- b) 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.
- c) Unlock the car and open both the hood and trunk.
 - d) Close all the doors.
 - e) Move all keys beyond the range of the car.
 - f) Leave the vehicle undisturbed for about 10 minutes. This allows adequate time for the electronics to go to sleep.
 - g) Disconnect negative terminal of battery.

DINANTronics INSTALLATION:

- I. The DINANTronics ECU communicates with 4 pressure sensors in the engine compartment. The photo below shows the sensor locations and the path of the Dinan harness. Temporarily lay out the DINANTronics harness on top of the engine to familiarize yourself with the routing, and which sets of Dinan connectors are for which sensor. It is vital to route the harness correctly, so that each connector pair of the harness is attached to its intended sensor.



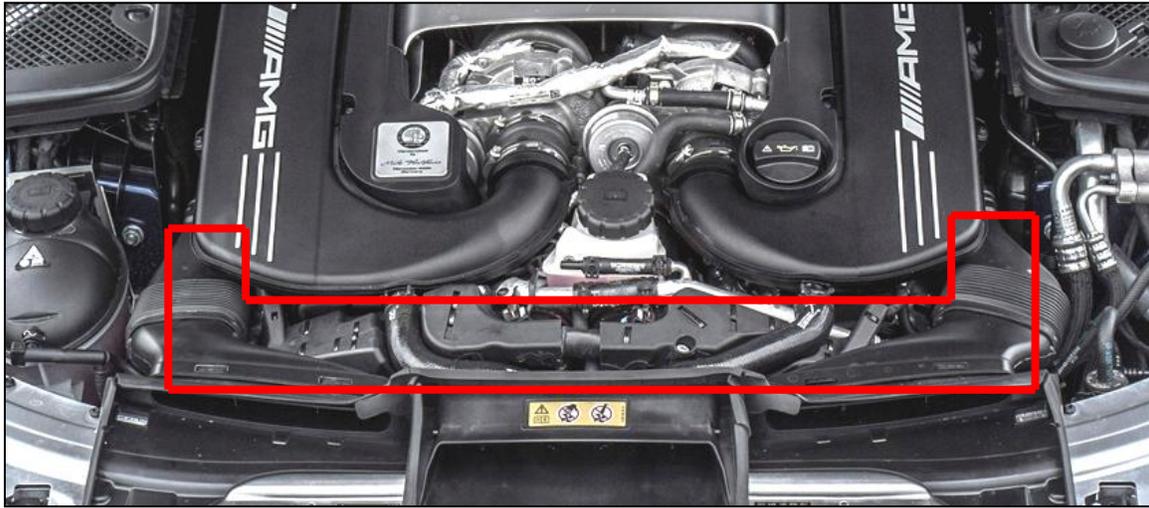
2. Remove the two covers indicated below, and unplug the ambient temperature sensors (one on each side). Do not remove the sensors.



3. Release the 4 clamps indicated below, and remove both airbox assemblies from the car by pulling upwards. Also release the locking tabs and remove both intake ducts from the car.



4. The sensors are located underneath an engine wiring harness, which is secured to a series of plastic covers above it, and this assembly is attached to the engine with a number of bolts and plastic barbed fasteners. This assembly must be released from the engine and allowed to slide forward about 5"-6", in order to provide access to the sensors underneath.



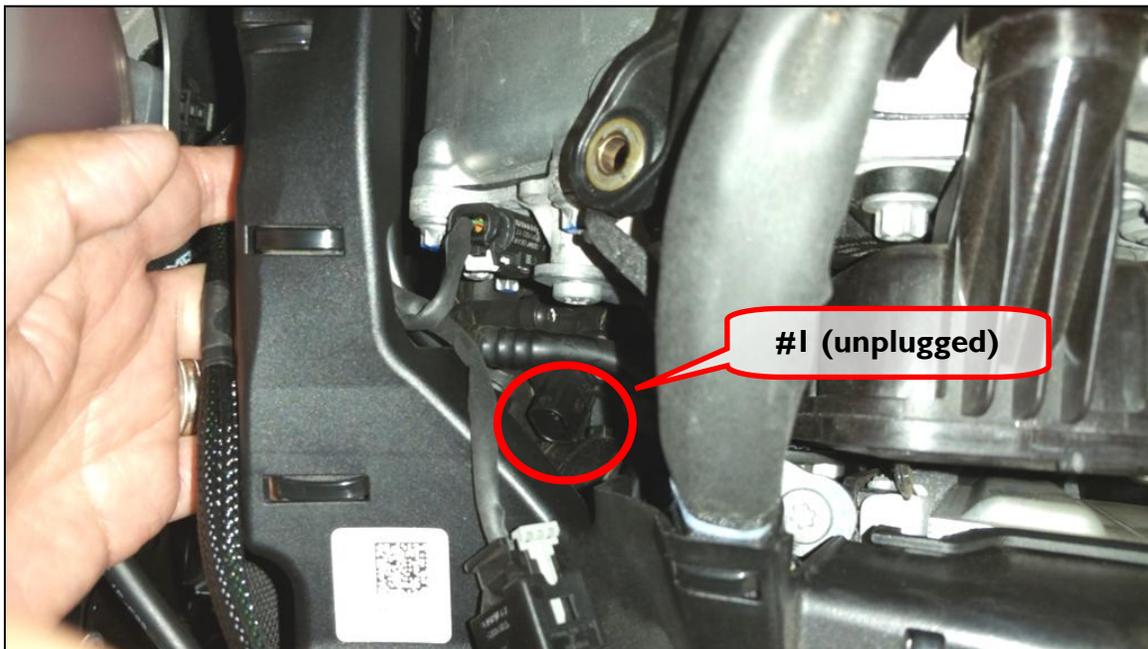
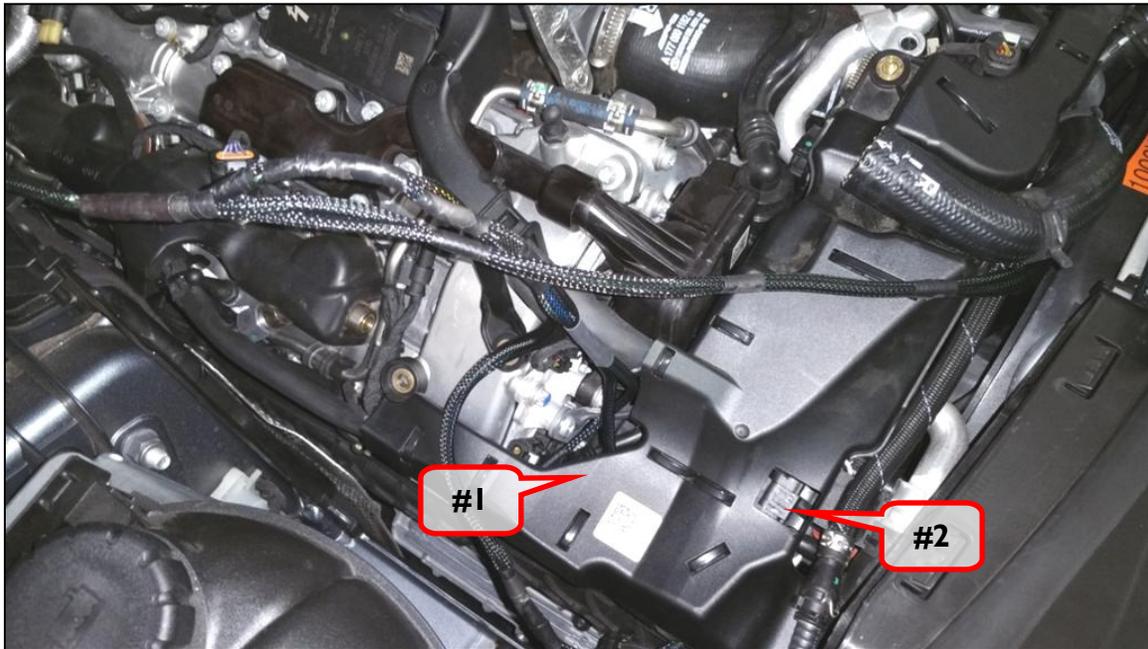
- Work your way around the assembly and remove the bolts securing the harness assembly to the engine.

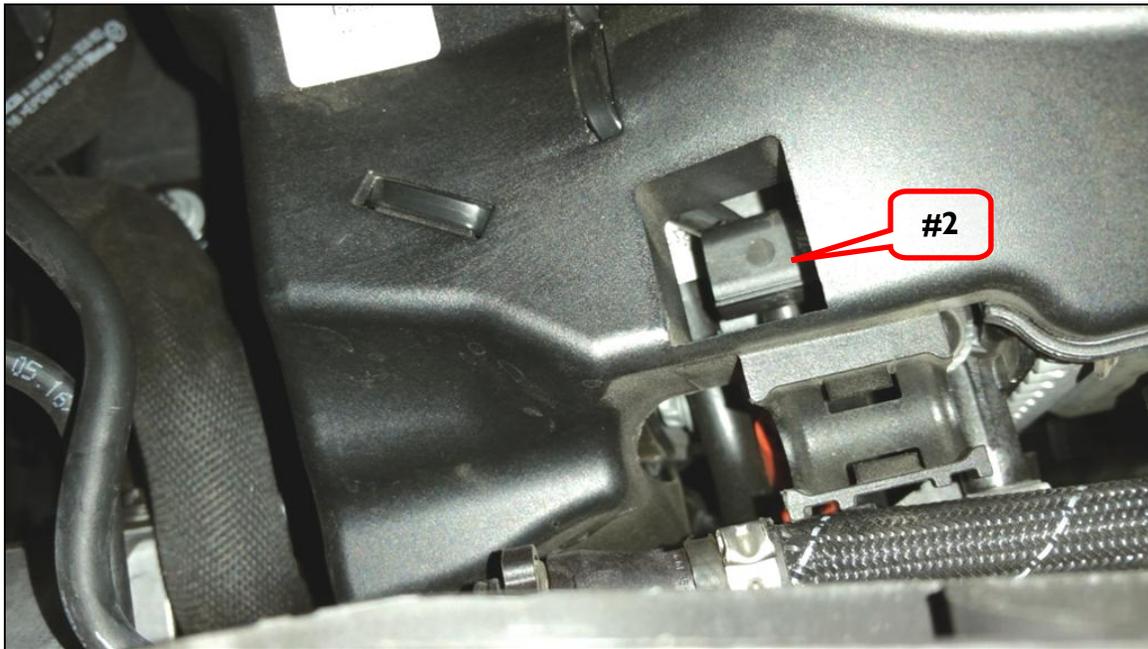


- Also release any plastic barbed fasteners securing the assembly to allow the slack needed.
- You will need to release the fasteners securing the harness to the valve covers near all 8 injectors.
- See photo below. Release this clip from the fuel rail (one on each side of the engine), to allow additional slack for the harness.

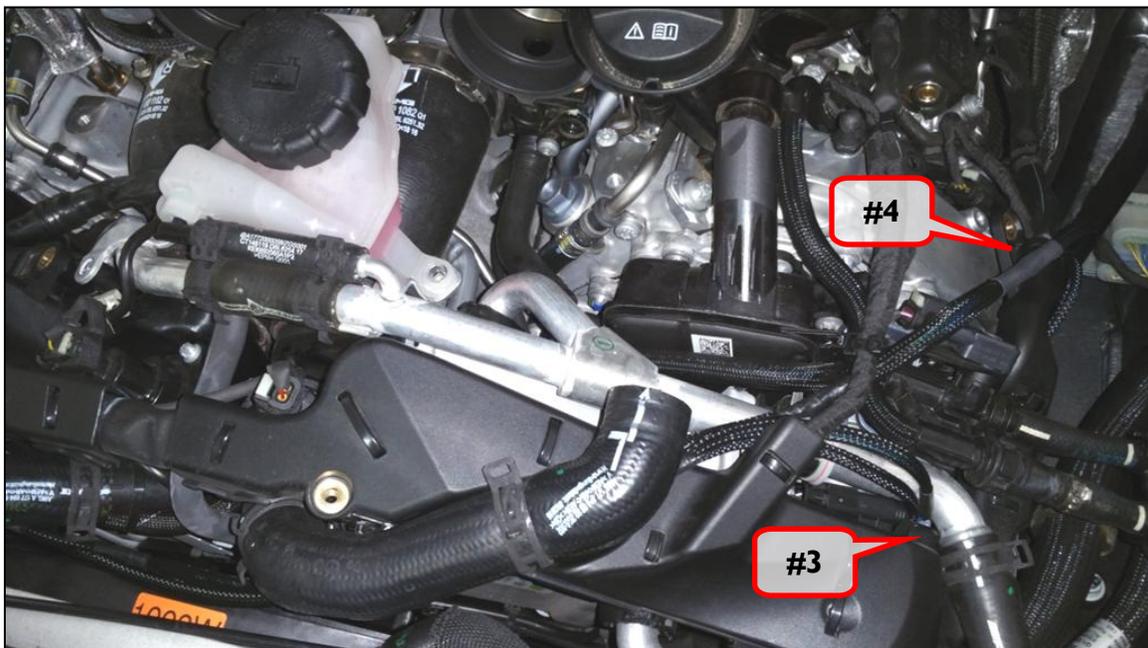


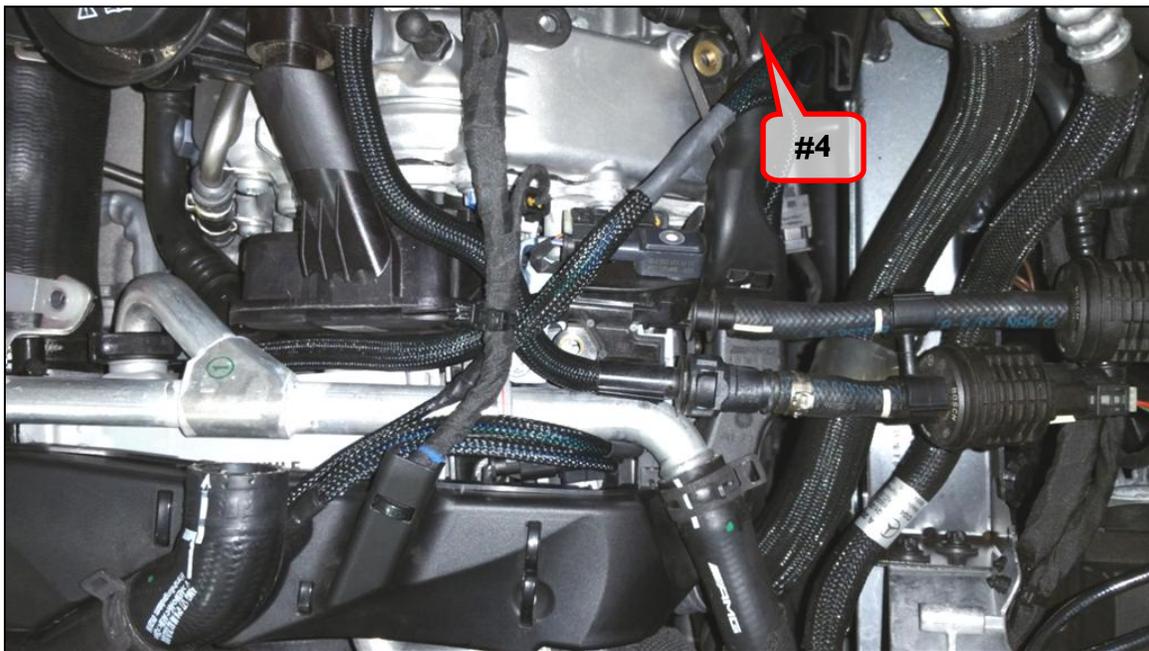
- Also release the coolant bottle from its fasteners.
5. After the engine harness has been moved aside, you may begin to attach the Dinan harness to the sensors.
 6. Referring to the photos below, locate sensors #1 (Right Intake Manifold) and #2 (Right Intercooler Outlet):





7. Study the locking system on the new DINANTronics connectors until you are familiar with how the two connector halves are released. Some locks will require the use of a small flat blade screwdriver to release the tang.
8. Disconnect the factory wiring harness from each pressure sensor.
9. Install the DINANTronics harness in between the sensors, and the factory wiring harness. The connectors can only be installed one way. Make sure that the locking tangs on both connections are secure.
10. Referring to the photos below, locate sensors #3 (Left Intercooler Outlet) and #4 (Left Intake Manifold):







11. Study the locking system on the new DINANTronics connectors until you are familiar with how the two connector halves are released. Some locks will require the use of a small flat blade screwdriver to release the tang.
12. Disconnect the factory wiring harness from each pressure sensor.
13. Install the DINANTronics harness in between the sensors, and the factory wiring harness. The connectors can only be installed one way. Make sure that the locking tangs on both connections are secure.
14. Double-check the connections at all four sensors. Verify that all plugs are securely attached.
15. Referring to the first photo, release the fasteners and remove the plastic cover over right rear of the engine bay. The DINANTronics ECU will be located in this compartment.
16. Reinstall the engine harness assembly, taking care to replace all fasteners. As you do so, route the DINANTronics harness towards the ECU location, taking care to:
 - Avoid all moving engine components or areas of extreme heat.
 - Ensure adequate slack in the wiring harness to allow for engine movement.
 - Use some of the included zip-ties to secure the harness as needed.
17. Double-check your work!
18. Reinstall both intake ducts and airbox assemblies. Remember to reattach both ambient temperature sensors.
19. Determine a suitable location for the DINANTronics ECU. Secure ECU into place using the included zip-ties and/or Velcro.

20. Route DINANTronics wiring harness into compartment. Attach harness to DINANTronics ECU and ensure that the connection is securely latched.
21. Reinstall compartment panel.
22. Reconnect negative terminal of battery.

DINANTronics BYPASS PLUG:

23. A bypass plug is included in this kit. This plug allows you to return the car to stock tuning, without removing the DINANTronics harness from the vehicle.
 - Should stock tuning be desired, follow the steps in the "Prepare Vehicle for Installation" section; disconnect the DINANTronics ECU; and attach bypass plug to the Dinan harness.

DINANTronics REGISTRATION:

24. 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. Take note of the MAC address, as it will be needed to register your ECU with Dinan.
25. Completely fill out the DINANTronics Product Registration page at the end of this section. Submit this information to Dinan by visiting the webpage at "<http://decus.dinancars.com/retail>", or you may fax or email the registration page instead.
26. Enjoy!

PRODUCT REGISTRATION FORM



DEALER / DEVICE INFORMATION

DEALER NAME / ID**

ORDER #

DEVICE MAC ADDRESS**

WIRING HARNESS SERIAL NUMBER**

VEHICLE INFORMATION

VIN # (COMPLETE 17 DIGIT ID)**

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 "DINANTRONICS Registration Form" BY FAX: 408-779-8674

CUSTOMER INFORMATION

CUSTOMER NAME**

CUSTOMER ADDRESS

CUSTOMER ADDRESS CONT. (City, State, ZIP)

CUSTOMER COUNTRY

CUSTOMER PHONE NUMBER**

CUSTOMER EMAIL ADDRESS**

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