2020-2021 FORD F250 / F350
6.7L TUNING INSTRUCTIONS

X4
PERFORMANCE PROGRAMMER
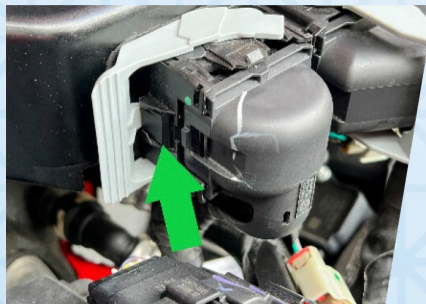
SETUP:

1. Ensure vehicle is turned off and parked safely.
2. Fully open the hood and ensure it is secured.
3. Locate the ECU in the firewall on the passenger's side of the vehicle (See Green Arrow)
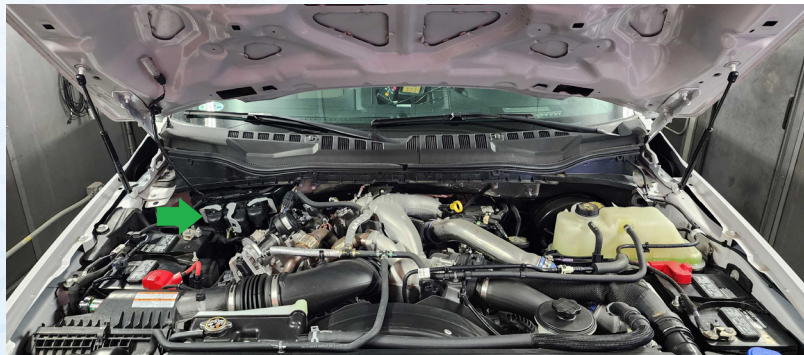
4. Be sure to release the locking tab (green arrow below) before moving gray connector arm. Disconnect all 3 of the ECU connectors.

   Note: You MUST disconnect ALL 3 connectors anytime you are installing or uninstalling your tune.

X4

PERFORMANCE PROGRAMMER

SETUP:

5. Connect the ECU connector provided with the X4 to connection 1 on the ECU as shown above and to the SCT box.

6. Connect the X4 to the SCT box using the OBDII cable.

7. Connect the SCT box to the battery using the battery clamps provided. **Battery Clamps Install: Red to positive, black to negative**.

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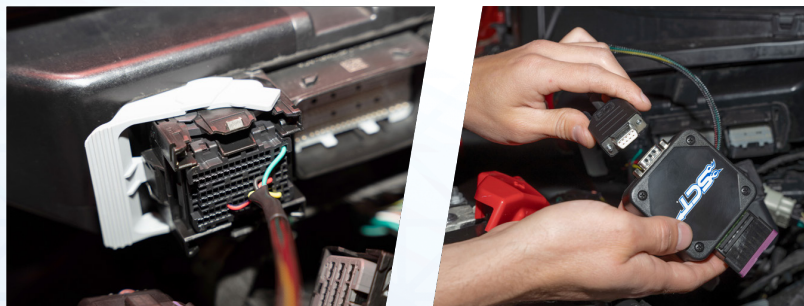
SCT

PERFORMANCE PROGRAMMER

TUNING YOUR ECU:

1. Be sure you have completed the setup steps on Page 1 & 2.
2. On the X4 select PROGRAM VEHICLE.

MAIN MENU

PROGRAM VEHICLE

GAUGES/DATALOG

VEHICLE FUNCTIONS

DEVICE INFO

DEVICE SETTINGS

3. Review and accept the STREET USE NOTICE.

PROGRAM VEHICLE

STREET USE NOTICE

This device is NOT legal for sale or use in California on an pollution controlled motor vehicles.
Press CONTINUE to start programming

EXIT   CONTINUE

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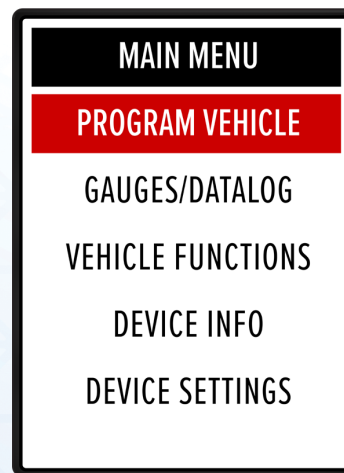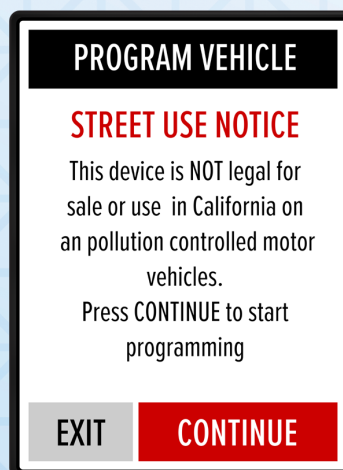
SCT

X4
PERFORMANCE PROGRAMMER

TUNING YOUR ECU:

4. Select which Custom Tune file you want to program.
5. If this is your first flash, you will see SAVING STOCK DATA. This is normal.

PROGRAM VEHICLE

SAVING STOCK DATA
Do not turn off power or disconnect device.

6%

6. The X4 will now program in the custom tune file. When complete, reconnect the ECU by disconnecting the battery clamps and reconnecting all 3 ECU connections.

PROGRAM VEHICLE

WRITING TUNE TO VEHICLE
Do not turn off power or disconnect device.

8%

PROGRAM VEHICLE

DOWNLOAD COMPLETE
Tune has been programmed successfully to vehicle. Turn Key off.

DONE

SCT

TUNING YOUR TCU:

7. Your ECU is now tuned, plug the X4 OBDII cable into your OBDII port under your dash to begin programming your TCU.
8. On the X4 select PROGRAM VEHICLE.

MAIN MENU
PROGRAM VEHICLE
GAUGES/DATALOG
VEHICLE FUNCTIONS
DEVICE INFO
DEVICE SETTINGS

9. Review and accept the STREET USE NOTICE.

PROGRAM VEHICLE

STREET USE NOTICE

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Press CONTINUE to start programming

| EXIT | CONTINUE |

10. Follow the on-screen key prompts.

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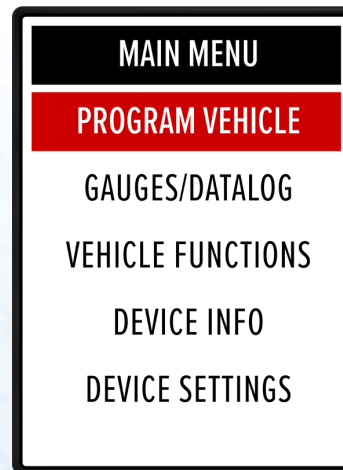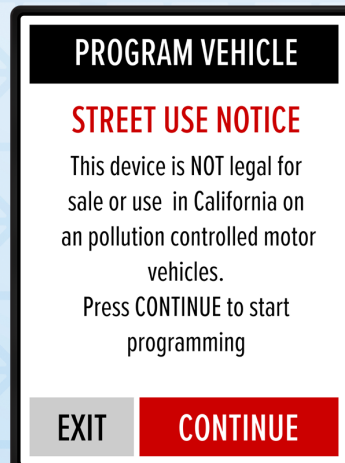
SCT

TUNING YOUR TCU:

11. If this is your first flash, you will see **SAVING STOCK DATA**. This is normal.

PROGRAM VEHICLE

Do not turn off power or disconnect device.

4%

PROGRAM VEHICLE

PREPARING PROCESSOR

Do not turn off power or disconnect device.

37%

12. After stock has been saved the device will begin the tuning process.

PROGRAM VEHICLE

TCU-Downloading Tune

Do not turn off power or disconnect device.

60%

PROGRAM VEHICLE

DOWNLOAD COMPLETE

Tune has been programmed successfully to vehicle. Turn Key off.

DONE

13. When complete, turn the key off and select **DONE** to return to the main menu. Tuning is now complete, you can disconnect the X4.

RETURN YOUR ECU TO STOCK:

1. Be sure you have completed the setup steps on Page 1 & 2
2. On the X4 select PROGRAM VEHICLE.

MAIN MENU

PROGRAM VEHICLE

GAUGES/DATALOG

VEHICLE FUNCTIONS

DEVICE INFO

DEVICE SETTINGS

3. Review and accept the STREET USE NOTICE and press RETURN TO STOCK.
4. Confirm Return to Stock.

PROGRAM VEHICLE

STREET USE NOTICE

This device is NOT legal for sale or use in California on an pollution controlled motor vehicles.
Press CONTINUE to start programming

EXIT | CONTINUE

PROGRAM VEHICLE

RETURN TO STOCK

Press CONFIRM to confim to return vehicle to saved stock data

EXIT | CONTINUE

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SCT
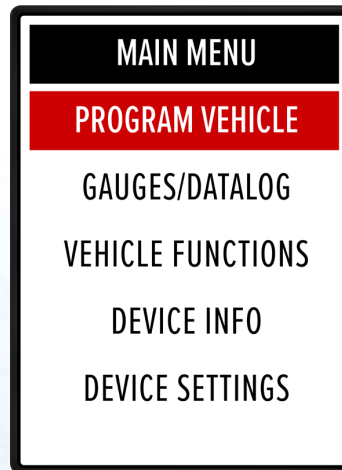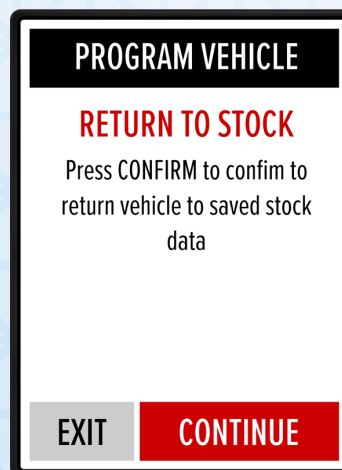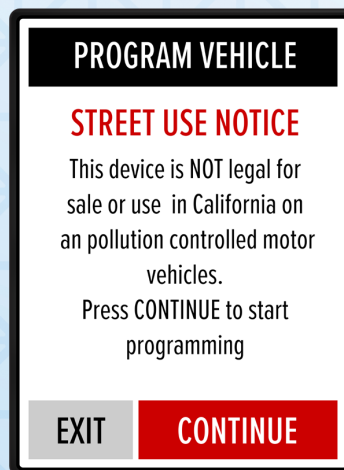
X4
PERFORMANCE PROGRAMMER

RETURN YOUR ECU TO STOCK:

5. The X4 will now program in the stock file.

PROGRAM VEHICLE

Do not turn off power or disconnect device.

4%

6. When complete, reconnect the ECU.

PROGRAM VEHICLE

DOWNLOAD COMPLETE

Tune has been programmed successfully to vehicle.
Turn Key off.

DONE

SCT

RETURN YOUR TCU TO STOCK:

1. PLUG INTO OBDII

2. On the X4 select
    PROGRAM VEHICLE.

MAIN MENU

PROGRAM VEHICLE

GAUGES/DATALOG

VEHICLE FUNCTIONS

DEVICE INFO

DEVICE SETTINGS

3. Review and accept the STREET USE NOTICE
    and press RETURN TO STOCK.
4. Confirm Return to Stock.

PROGRAM VEHICLE

STREET USE NOTICE

This device is NOT legal for sale or use in California on an pollution controlled motor vehicles.
Press CONTINUE to start programming

EXIT | **CONTINUE**

PROGRAM VEHICLE

RETURN TO STOCK

Press CONFIRM to confim to return vehicle to saved stock data

EXIT | **CONTINUE**

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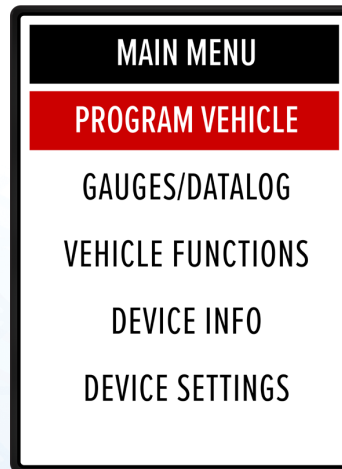407-774-2447 or email us at contactsales@derivesystems.com

SCT

RETURN YOUR TCU TO STOCK

5. The X4 will now program in the stock file.

PROGRAM VEHICLE

Do not turn off power or disconnect device.

4%

6. Your vehicle is now back to stock.

PROGRAM VEHICLE

DOWNLOAD COMPLETE

Tune has been programmed
successfully to vehicle.
Turn Key off.

DONE

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2020-2021 FORD F250 / F350
6.7L TUNING INSTRUCTIONS

LIVELINK GEN-II / ADVANATAGE III

To use LiveLink with the 2020-2021 F-250/F350 6.7L please update to the current release version including any outstanding database updates.

LIVELINK GEN-II: Version 2.9.4.0 or newer, including any outstanding database updates.

ADVANTAGE 3: Version 3.4 Build 22305.0 or newer.