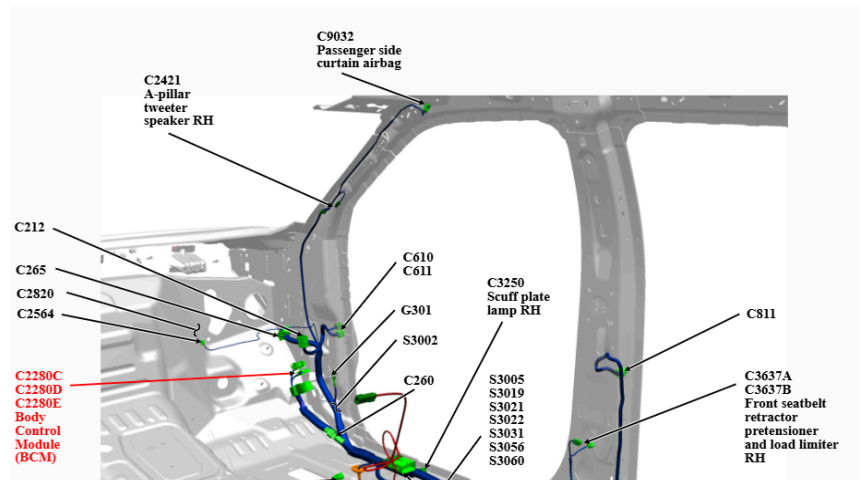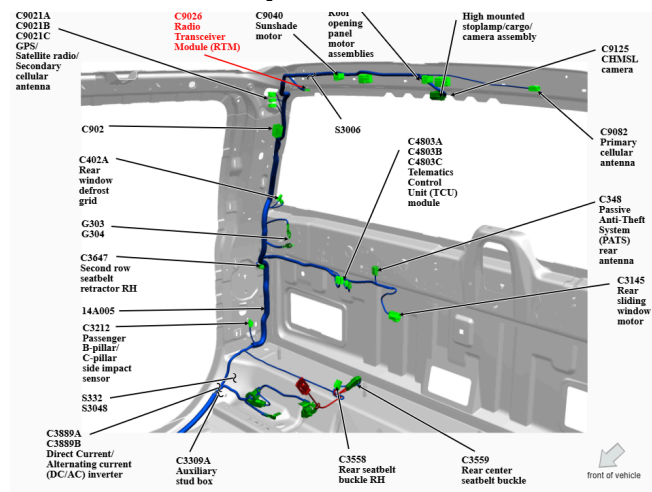# MIDNIGHTOEM

2021-2023 Ford F-150 Push Button Start **Installation Guide**

****THIS IS NOT AN EASY INSTALLATION, PROCEED AT YOUR OWN RISK!!****

Replace the following components with the new included components.
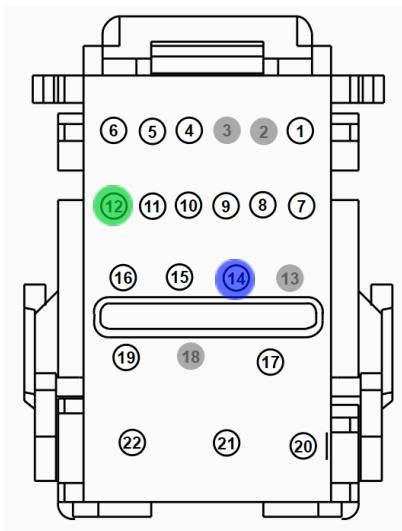

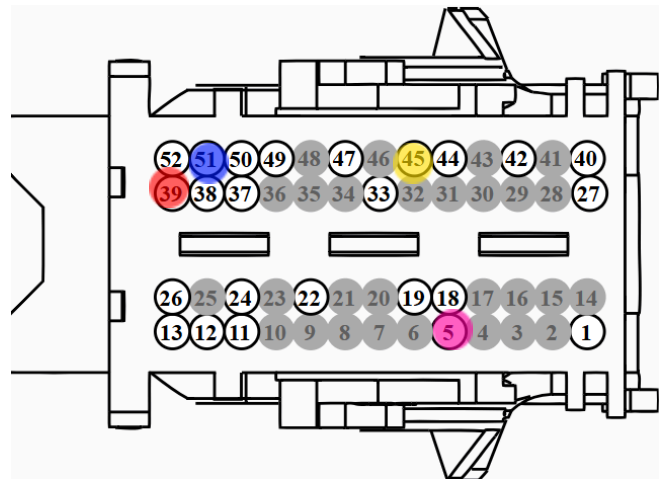**BCM(Body Control Module)**

RTM(Radio Transceiver Module)

Installing Push Button Wiring Harness(C2195)

      Please follow the instructions below carefully to install the push button wiring harness. Each wire will have its own section, and you will also find an image of connectors **C2280A** and **C2280B** with their corresponding colors. An image of the BdyCM is also included in the last page, showing where each connector is located for reference.

C2280A

C2280B

IMAGE IS THE FRONT OF CONNECTOR

Blue -> TAP-C2280B(51) -> PIN-C2280A(14)
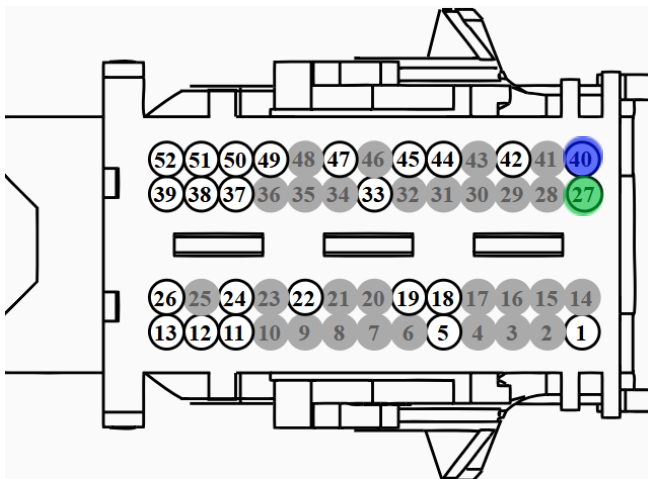
Red -> PIN-C2280B(39)

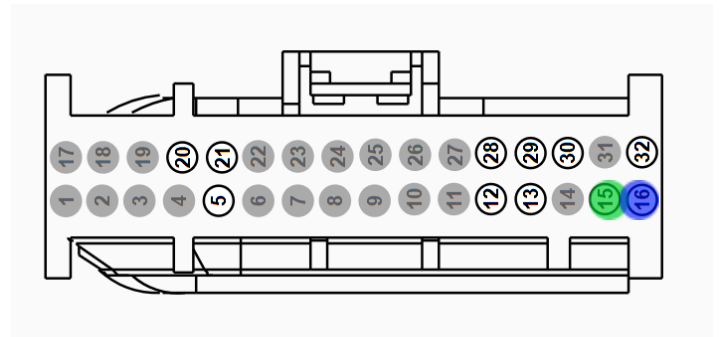**Green -> PIN-C2280A(12)**

Yellow -> TAP-C2280B(45)

Pink -> PIN-C2280B(5)

Installing Console & Rear Firewall Antenna Wiring Harness(C348 & C325)

     Please follow the instructions below carefully to install both antenna wiring harnesses. Each wire will have its own section, and you will also find an image of connectors **C2280B** and **C2280D** with their corresponding colors. An image of the BdyCM is also included in the last page, showing where each connector is located for reference.

C2280B (Console Antenna)

C2280D (Rear Antenna)
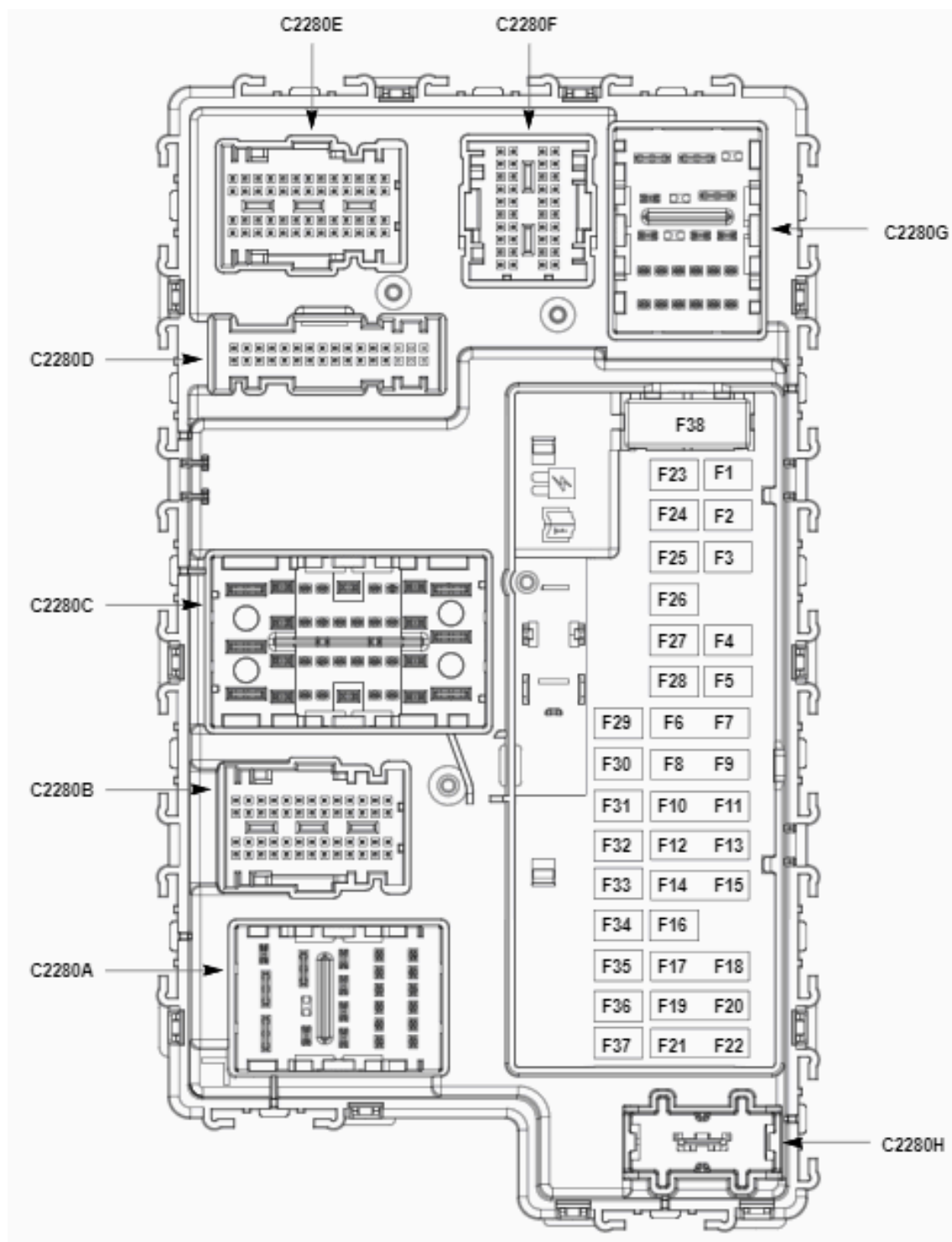
IMAGE IS THE FRONT OF CONNECTOR

Blue (Console) -> PIN-C2280B(40)
Green (Console) -> PIN-C2280B(27)

Blue (Rear) -> PIN-C2280D(16)
Green (Rear) -> PIN-C2280D(15)

BCM CONNECTOR DIAGRAM

C2280E   C2280F

C2280G

C2280D

C2280C

C2280B

C2280A

C2280H

F38		
F23	F1	
F24	F2	
F25	F3	
F26		
F27	F4	
F28	F5	
F29	F6	F7
F30	F8	F9
F31	F10	F11
F32	F12	F13
F33	F14	F15
F34	F16	
F35	F17	F18
F36	F19	F20
F37	F21	F22

Programming!

This will not be a step by step tutorial for programming. Instead this will list all procedures & tasks that must be accomplished to get this kit fully functional. How you go about them via FDRS, FORScan, Etc.. is completely up to yourself. If **Remote Support** &/or **Walkthrough Support** is needed please contact **Support@MidnightOEM.com**

1. **Load AsBuilt Data (XLT w/ PTS) [FORScan] or [FDRS]**
2. **Program 2x Keys [FDRS w/ LockSmith] or [AfterMarket]**
3. **Parameter Reset [FDRS w/ LockSmith] or [AfterMarket]**
4. **PMI BdyCM (If DTC = Initial Config not Complete) [FDRS]**
5. **PMI RTM (If DTC = Initial Config not Complete) [FDRS]**
6. **Remove/Add Excess Features. Match AsBuilt as close as possible to OEM AsBuilt Data. Be sure not to load the factory as this may cause the BdyCM to switch to key ignition...**

DO NOT ATTEMPT TO PROGRAM A KEY UNTIL IT SAYS "NO KEY DETECTED"

Software List... (BONUS!!)

There are several non FDRS applications capable of programming keys and performing a Parameter Reset, often at a much lower cost than hiring a locksmith. These tools generate an outcode, which you then submit to a calculator for a fee to obtain an incode. Once the incode is entered into the software, you can program the key or complete the Parameter Reset. Note that the outcode changes with each attempt, so failed attempts may still incur a charge, and the key must be placed in the console antenna location or the process will fail.

Contact support for a link to said Software & Calculator interested.