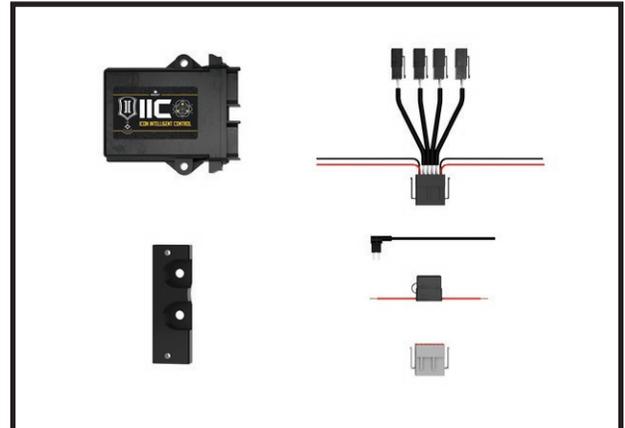


7929 Lincoln Ave. Riverside, CA 92504
 Phone: 951.689.ICON | Fax: 951.689.1016

PART #	DESCRIPTION
93501	22-UP F-150 LIGHTNING IIC INSTALL KIT

COMPONENTS INCLUDED	
(1) 197043 22-UP F-150 LIGHTNING E-CONTROLLER MOUNT (1) 255600 IIC CONTROLLER (1) 255601 BLOCK OFF PLUG	(1) 255602 WIRE HARNESS (1) 255605-10 INLINE ATO FUSE HOLDER W/10 AMP FUSE (1) 255608 FUSE TAP MICRO2
HARDWARE INCLUDED	
(2) 605069 1/4-20 X 1.25 BOLT (2) 605750 BUTT CONNECTOR (3) 605751 5/16 TERMINAL CONNECTOR (1) 605755 FUSE, 5 AMP MICRO2 (1) 605760 WIRE LOOM 1/4" X 6FT	(1) 605926-BLK-100 BLACK NYLON CABLE TIE 100PK (2) 605984 RUBBER STRIP 1" X 3" ADHESIVE BACK
WIRES INCLUDED WITH FRONT SHOCKS	
PASS FRONT: (1) 255604-04 4-FT WIRE	DRIVER FRONT: (1) 255604-08 8-FT WIRE
WIRES INCLUDED WITH REAR SHOCKS	
PASS REAR: (1) 255604-20 20-FT WIRE	DRIVER REAR: (1) 255604-26 26-FT WIRE
TOOLS REQUIRED	
WIRE CUTTERS WIRE STRIPPER WIRE CRIMPERS OSCILLATING SAW HEAT GUN	TORQUE WRENCH 8MM SOCKET / WRENCH 13MM SOCKET / WRENCH 7/16" SOCKET / WRENCH
TECH NOTES	
1. #6 FUSE SLOT - POWERTRAIN CONTROL MODULE 2. GOLD WIRE COLOR IN FIGURES DENOTES BASIC WIRE PATH (FOR CLARITY). 3. SEE PAGE 5 FOR WIRE ROUTING DIAGRAM.	
FUSE OPTIONS	
MICRO 2 FUSE	



WARNING!

**** READ ALL INSTRUCTIONS THOROUGHLY FROM START TO FINISH BEFORE BEGINNING INSTALLATION! IF THESE INSTRUCTIONS ARE NOT PROPERLY FOLLOWED SEVERE FRAME, SUSPENSION AND TIRE DAMAGE MAY RESULT TO THE VEHICLE!**

**** ICON VEHICLE DYNAMICS RECOMMENDS THAT YOU EXERCISE EXTREME CAUTION WHEN WORKING UNDER A VEHICLE THAT IS SUPPORTED WITH JACK STANDS.**

**** ICON VEHICLE DYNAMICS RECOMMENDS ALL INSTALLATION TO BE PERFORMED BY A PROFESSIONAL SHOP/SERVICE TECHNICIAN. PRODUCT FAILURE CAUSED BY IMPROPER INSTALLATION WILL NOT BE COVERED UNDER ICON'S WARRANTY POLICY.**

INSTALLATION

1. Remove the covers from the fenders. [FIGURE 1 & 2]

FIG.1



FIG.2



2. Remove the battery access panel. [FIGURE 3]

FIG.3



3. On the passenger side, remove the 2 crossmember bolts using a 13mm. Place the IIC mount as shown and fasten using the factory hardware. Torque to factory spec using a 13mm. [FIGURE 4 & 5]

FIG.4



FIG5



4. Mount the IIC to the IIC mount using the supplied 1/4" hardware(PN 605069). Use a 7/16" to tighten. Insert the block off plug into the grey port of the IIC. Insert the main wire harness into the black port of the IIC. [FIGURE 6 & 7]

FIG.6



FIG.7



5. Route the 2 black (Ground) wires to the ground location on the passenger fender. Cut to length, strip, and crimp the terminal connectors (PN 605751) on. Use a heat gun to activate heat shrink. Fasten the terminal connectors to the fender ground using an 8mm. [FIGURE 8]

FIG.8

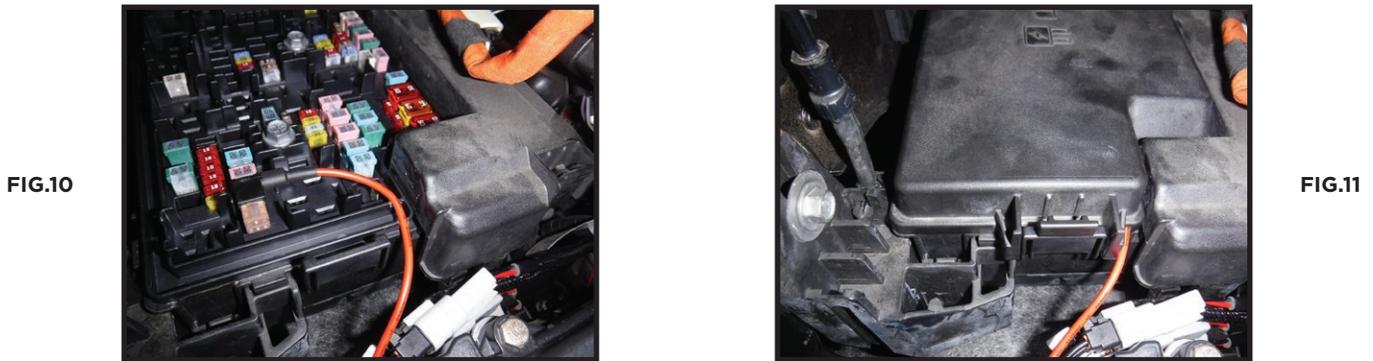


6. Route the red (Accessory) wire to the fuse box.

7. Remove the fuse box cover and locate the fuse for the rain sensor (5 amp). Remove the fuse and insert it into the lower slot of the fuse tap. Insert the supplied 5 amp fuse (PN 605755) into the upper slot of the fuse tap. Insert the fuse tap in the slot for the rain sensor. [FIGURE 9 & 9B]



8. Use a marker to mark the fuse box for a small notch to allow the wire to pass through. Use an oscillating saw or hack saw to cut a small notch in the flanges of both the fuse box and fuse box cover. Route the fuse tap wire through the notch and replace the fuse box cover. Make sure it fits properly and is not damaging the wire. [FIGURE 10 & 11]



9. Cut the red (Accessory) wire to length, strip, and crimp the butt connector (PN 605750) on. Strip and crimp the fuse tap (PN 255608) to the butt connector. Use a heat gun to activate heat shrink.

10. Route the red (Battery) wire to the battery. Cut the wire to length. Strip one side of the inline fuse (PN 255605-10) and crimp the Terminal connector (PN 605751) on. Strip the other side of the inline fuse and crimp the butt connector on. Strip the red (Battery) wire and crimp the butt connector on. Use a heat gun to activate heat shrink.

11. Connect 255604-08 wire to the Channel-4 plug. Using a marker, write DF (Driver Front) on the connectors.

12. Connect 255604-04 wire to the Channel-3 plug. Using a marker, write PF (Passenger Front) on the connectors.

13. Connect 255604-20 wire to the Channel-2 plug. Using a marker, write DR (Driver Rear) on the connectors.

14. Connect 255604-26 wire to the Channel-1 plug. Using a marker, write PF (Passenger Rear) on the connectors.

15. Route the 4-FT wire down into the passenger front wheel well. Use zip-ties as necessary to secure the wire safely to the passenger reservoir. Connect the wire the solenoid on the shock. [FIGURE 12]



16. Route the 8-FT wire across to the driver front wheel well. Use zip-ties as necessary to secure the wire safely to the driver reservoir. Connect the wire the solenoid on the shock. [FIGURE 13]

FIG.13



17. Route the 20-FT and 26-FT wires across to the driver front wheel well. Route the wires down the back side of the wheel well to the body mount. Route the wires along the factory wire harness.

18. Follow the factory wire harness along the frame rail to the driver rear wheel well.

19. Route the 20-FT wire to the back of the driver rear wheel well. Connect the wire the solenoid on the shock. [FIGURE 14]

FIG.14



20. Route the 26-FT wire along the crossmember to the passenger rear wheel well. Connect the wire the solenoid on the shock. [FIGURE 15]

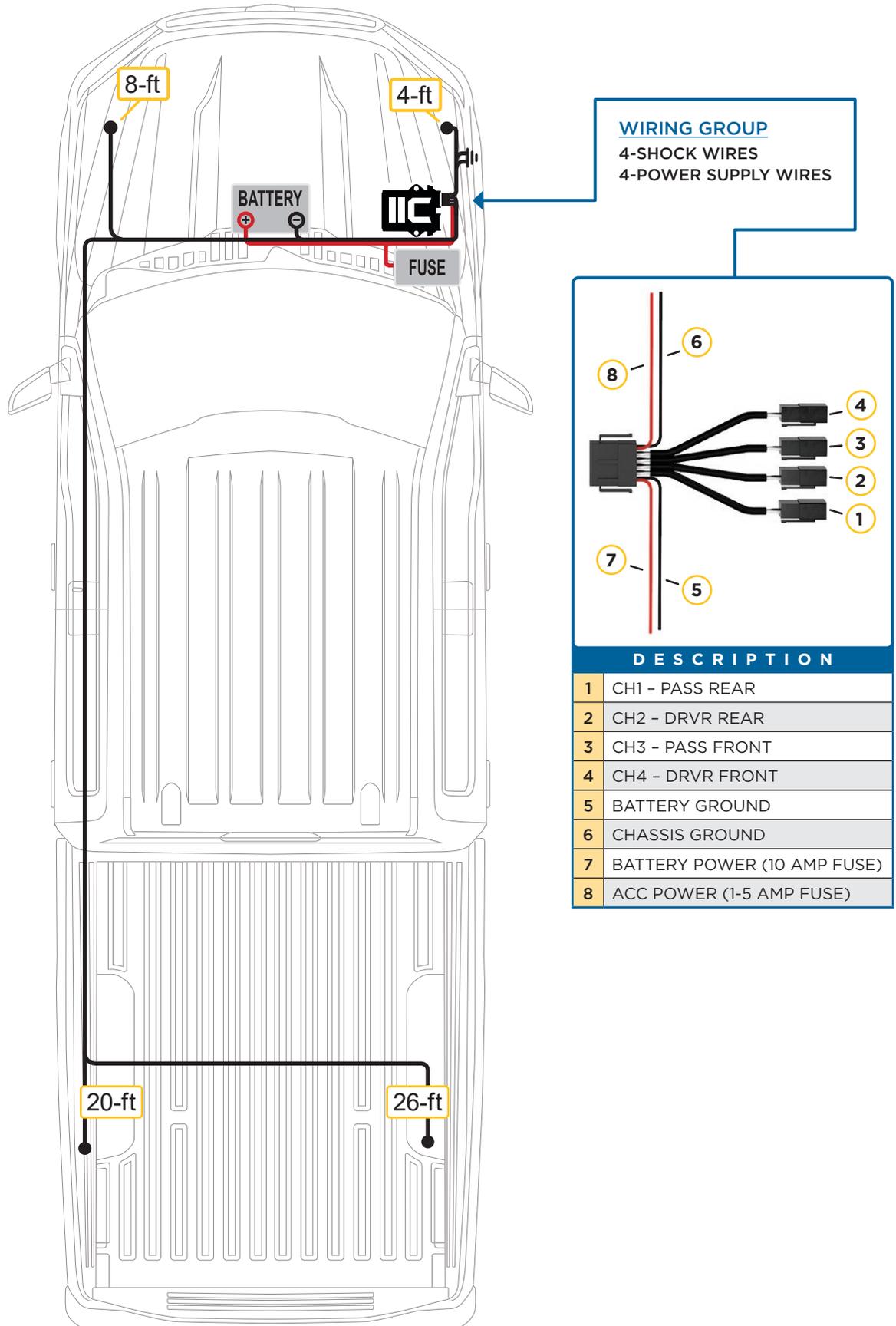
FIG.15



21. Download the ICON INTELLIGENT CONTROL App on you device. Open the app and turn on the vehicle.

***VERIFY ALL FASTENERS ARE PROPERLY TORQUED BEFORE DRIVING VEHICLE.
RETORQUE ALL NUTS, BOLTS AND LUGS AFTER 100 MILES AND PERIODICALLY THEREAFTER.***

WIRE ROUTING DIAGRAM: 22-UP F-150 LIGHTNING



ICON VEHICLE DYNAMICS LIMITED LIFETIME WARRANTY

ICON Vehicle Dynamics warrants to the original retail purchaser who owns the vehicle on which the product was originally installed. ICON Vehicle Dynamics does not warrant the product for finish, alterations, modifications and/or installation contrary to ICON Vehicle Dynamics instructions. ICON Vehicle Dynamics products are not designed, nor are they intended to be installed on vehicles used in race applications, for racing purposes or for similar activities. (A "race" is defined as any contest between two or more vehicles, or a contest of one or more vehicles against the clock, whether or not such contest is for a prize). This warranty does not include coverage for police or taxi vehicles, race vehicles, or vehicles used for government or commercial purposes. Also excluded from this warranty are sales outside of the United States of America and Canada.

ICON Vehicle Dynamics' obligation under this warranty is limited to the repair or replacement, at ICON Vehicle Dynamics' discretion, of the defective product. Any and all costs of removal, installation or re-installation, freight charges and incidental or consequential damages are expressly excluded from this warranty. Items that are subject to wear are not considered defective when worn and are not covered.

ICON Vehicle Dynamics components must be installed as a complete kit as shown in our current application guide. Any substitutions or exemptions of required components will immediately void the warranty. Some finish damage may happen to parts during shipping and is not covered under warranty.

This warranty is expressly in lieu of all other warranties expressed or implied. This warranty shall not apply to any product that has been improperly installed, modified or customized subject to accident, negligence, abuse or misuse.



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7929 Lincoln Ave. Riverside, CA 92504 Phone: 951.689.ICON Fax: 951.689.1016
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