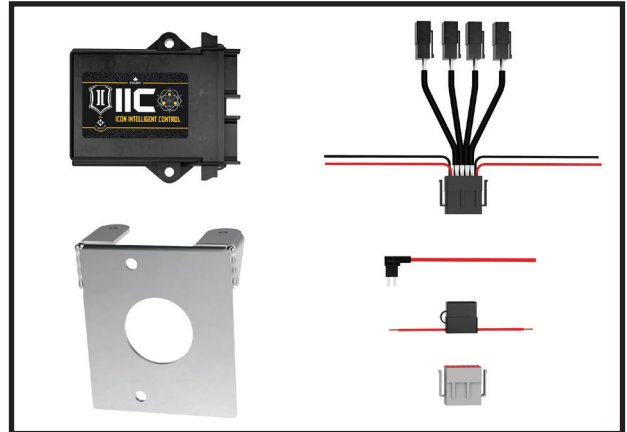


7929 Lincoln Ave. Riverside, CA 92504  
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PART #	DESCRIPTION
53506	14-UP TUNDRA IIC INSTALL KIT

COMPONENTS INCLUDED	
(1) 255600 IIC CONTROLLER (1) 255601 BLOCK OFF PLUG	(1) 255602 WIRE HARNESS (1) 254403 IIC MOUNT 2ND GEN TUNDRA
HARDWARE INCLUDED	
(2) 605984 RUBBER STRIP 1" X 3" ADHESIVE BACK (2) 605069 1/4-20 X 1.25 BOLT (3) 605751 5/16 TERMINAL CONNECTOR (2) 605750 BUTT CONNECTOR (1) 255607 FUSE TAP LOW PROFILE MINI (1) 605753 LOW PROFILE MINI FUSE 2 AMP	(1) 255605-10 INLINE ATO FUSE HOLDER W/10 AMP FUSE (1) 605760 WIRE LOOM 1/4" X 6FT (1) 605926-BLK-100 BLACK NYLON CABLE TIE (PACK OF 100) (1) 605986 WIRE STRAP
SUPPLIED WITH SHOCKS	
(1) 255604-04 4-FT WIRE (1) 255604-08 8-FT WIRE	(1) 255604-16 16-FT WIRE (1) 255604-20 20-FT WIRE
TOOLS REQUIRED	
WIRE STRIPPER WIRE CRIMPER WIRE CUTTER HEAT GUN	TORQUE WRENCH 10MM SOCKET / WRENCH 12MM SOCKET / WRENCH 7/16 SOCKET / WRENCH
TECH NOTES	
<ol style="list-style-type: none"> <li>1. WIRE LENGTHS ARE MEASURED FOR A 5.7L CREW-CAB SHORT-BED.</li> <li>2. GOLD WIRE COLOR IN FIGURES DENOTES BASIC WIRE PATH (FOR CLARITY)</li> <li>3. SEE PAGE 5 FOR WIRE ROUTING DIAGRAM</li> </ol>	
FUSE OPTIONS	
ENG INJ	EFI#2



**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. Disconnect the positive battery terminal using a 12mm.
2. Install the 2 adhesive strips on the mount as shown. [FIGURE 1]



FIG.1

3. Install the IIC to the bracket as shown using the supplied 1/4" hardware (PN: 605069). [FIGURE 2]



FIG.2

4. Connect the block off plug (PN: 255601) to the grey plug of the IIC.
5. Remove the 2 top bolts from the wire harness junction on the passenger side firewall using a 10mm. Mount the IIC bracket to the firewall using the factory hardware. Torque to factory spec using a 10mm. [FIGURE 3]

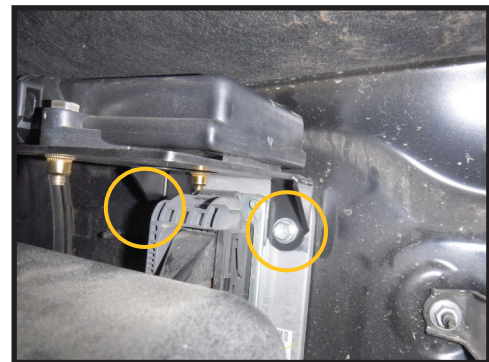


FIG.3

6. Connect the wire harness (PN: 255602) to the black plug on the IIC. [FIGURE 4]

FIG.4



7. Connect the 4-FT wire to Channel 3 of the pigtail. Run the wire under the air cleaner and down into the wheel well. [FIGURE 5 & 6]

FIG.5



FIG.6



8. Plug into the CDE-Shock solenoid and zip-tie the remaining wire up. Be sure to leave some slack in the wire to ensure there is freedom of movement and the ability to unplug the wire from the shock. [FIGURE 7]

FIG.7



9. Lower the factory firewall shroud by removing the plastic thumb nut.

10. Connect the 8-FT wire to Channel 4 of the pigtail.

11. Run the 8-FT shock wire and the wire loom (PN:605760) 2 black wires and the Red "PWR/BATT" wires together along the firewall inside the factory shroud. Cut the supplied strap material (PN: 605986) in 3 inch segments and use them to hold the wires tight to the studs behind the shroud. [FIGURE 8 & 9]

FIG.8



FIG.9



**12.** Run the wire forward along the inside of the driver side fender. Run the 8-FT wire down into the driver side wheel well. Route the wire inboard of the UCA pivot bolt. Plug into the CDE-Shock solenoid and zip-tie the remaining wire up. Be sure to leave some slack in the wire to ensure there is freedom of movement and the ability to unplug the wire from the shock. [FIGURE 10 & 11]

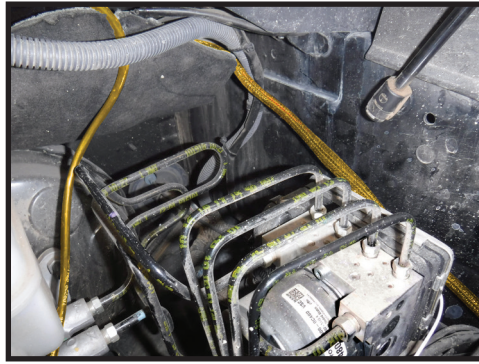


FIG.10



FIG.11

**13.** Use 2 of the supplied terminal connector (PN: 605751), connect both ground wires to the body ground on the driver side fender as shown. Use a heat gun to heat shrink connector. [FIGURE 12]



FIG.12



FIG.13

**14.** Use the supplied in-line fuse (PN: 255605-10) and butt connector (PN: 605750) to connect to the Red "PWR" wire. Connect the supplied terminal connector (PN: 605751) to the other side of the inline fuse. Use a heat gun to heat shrink connector and connect to the positive terminal of the battery using a 12mm. [FIGURE 13]

**15.** Remove the cover of the fuse box. Using the diagram on the inside cover, locate the ENG fuse.

**16.** Insert the supplied 2 AMP fuse (PN: 605754) into the top slot of the supplied fuse tap (PN: 255607). Remove the 10 AMP fuse from the fuse box and insert it into the bottom slot of the fuse tap. Carefully drill a 1/8" hole in the side of the fuse box just big enough for a wire to fit through. Feed the Red "ACC" wire through the small hole in the side of the fuse box. Trim excess and crimp ACC wire to the fuse tap. Use a heat gun to heat shrink connector. [FIGURE 14 & 14B]

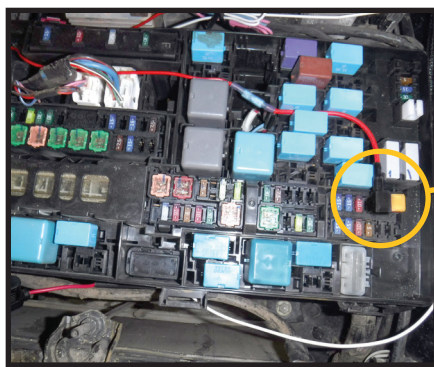


FIG.14

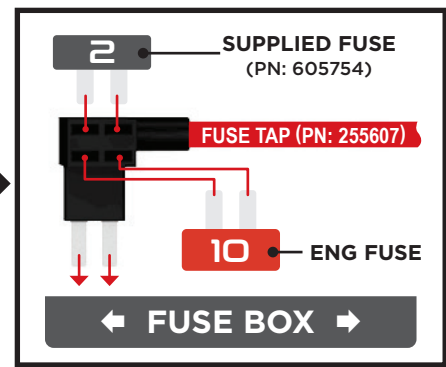
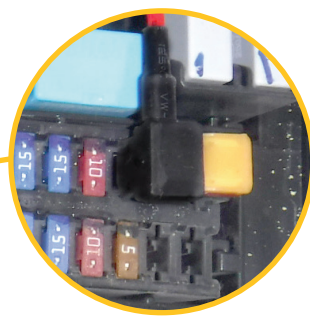


FIG.14B

**17.** Connect the 16-FT wire to the Channel 1 pigtail

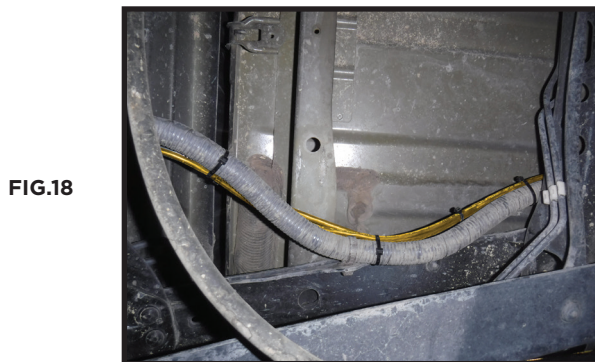
**18.** Connect the 20-FT wire to the Channel 2 pigtail.

**19.** Zip-tie the 16-FT and 20-FT wires together in 12 inch increments. Leave the last 24" of the 16-FT wire free.

**20.** Run the wires down toward the back of the passenger side fender. From the wheel well, route the wires along the top of the passenger frame rail following the factory wire harness. [FIGURE 15]



**21.** Continue along the factory wire harness to the passenger rear wheel well. Plug the 16-FT wire into the CDE-Shock solenoid and zip-tie the remaining wire up. Be sure to leave some slack in the wire to ensure there is freedom of movement and the ability to unplug the wire from the shock. [FIGURE 16, 17, 18 & 19]



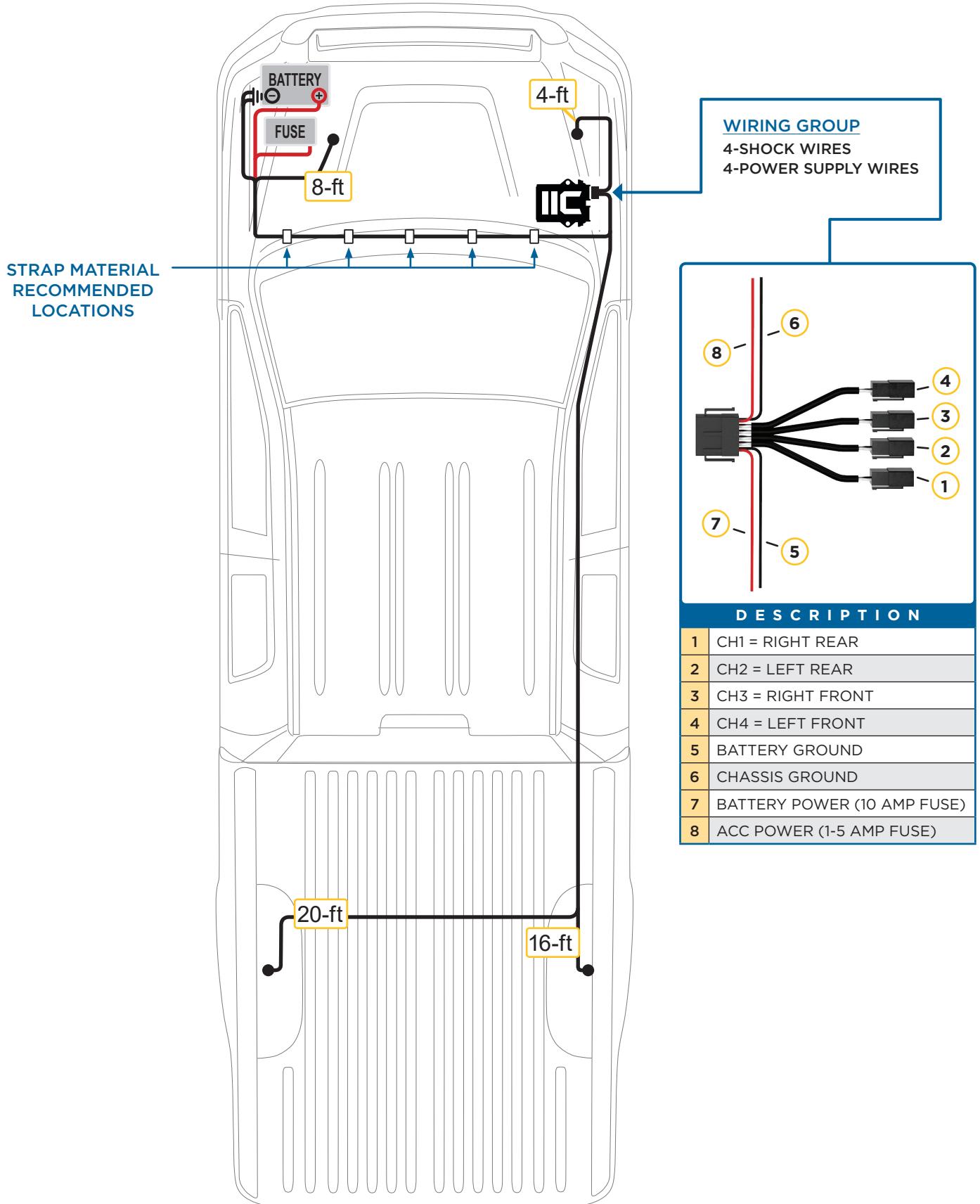
**22.** Continue running the 20 FT wire along the factory wire harness across the cross member to the driver frame rail. You may need to lower the spare tire to follow the factory wire harness. Plug into the CDE-Shock solenoid and zip-tie the remaining wire up. Be sure to leave some slack in the wire to ensure there is freedom of movement and the ability to unplug the wire from the shock. [FIGURE 20 & 21]



**23.** Reconnect the positive battery terminal using a 12mm.

**24.** Download the ICON INTELIGENT CONTROL App on you device. Open the app and turn on the vehicle.

# WIRE ROUTING DIAGRAM: Tundra



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

## **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.

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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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