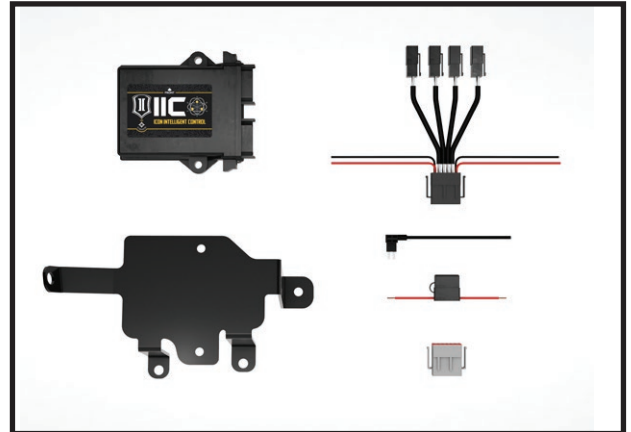


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 Phone: 951.689.ICON | Fax: 951.689.1016

PART #	DESCRIPTION
53509	24 TACOMA IIC KIT

COMPONENTS INCLUDED	
(1) 150146 24 TACOMA IIC MOUNT (1) 255600 IIC CONTROLLER (1) 255601 BLOCK OFF PLUG	(1) 255602 WIRE HARNESS (2) 255607 FUSE TAP LOW PROFILE MINI
HARDWARE INCLUDED	
(2) 605052 1/4-20 BYLOCK NUT (2) 605069 1/4-20 X 1.25 BOLT (2) 605750 BUTT CONNECTOR (3) 605751 5/16 TERMINAL CONNECTOR (1) 605753 LOW PROFILE MINI FUSE 2 AMP (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 (1) 605758 LOW PROFILE MINI FUSE 10 AMP
WIRES INCLUDED WITH FRONT SHOCKS	
PASS FRONT: (1) 255604-04 4-FT WIRE	DRIVER FRONT: (1) 255604-14 14-FT WIRE
WIRES INCLUDED WITH REAR SHOCKS	
PASS REAR: (1) 255604-16 16-FT WIRE	DRIVER REAR: (1) 255604-20 20-FT WIRE
TOOLS REQUIRED	
WIRE CUTTERS WIRE STRIPPER WIRE CRIMPERS FLUSH CUTS PHILLIPS HEAD SCREWDRIVER	HEAT GUN TORQUE WRENCH 10MM SOCKET / WRENCH 7/16" SOCKET / WRENCH
TECH NOTES	
1. WIRE LENGTHS ARE MEASURED FOR 4CYL, CREW CAB, SHORT BED. 2. GOLD WIRE COLOR IN FIGURES DENOTES BASIC WIRE PATH (FOR CLARITY). 3. SEE PAGE 6 FOR WIRE ROUTING DIAGRAM.	
FUSE OPTIONS	
S/HTR F/L (15A)	



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.**

4. Locate the open space on the driver side in front of the fuse box . [FIGURE 2]

INSTALLATION

1. Disconnect the Battery using a 10mm.
2. Taking the IIC mount (PN 150146) apply the adhesive strips (PN 605984) between the bolt holes.
3. Using the supplies 1/4-20 bolt and nuts mount the IIC controller to the mount. [FIGURE 1]



FIG.1



FIG.2

5. Using a 10mm socket remove the bolts and place the IIC mount (PN 150146) as shown. install the all the bolts except the one marked. [FIGURE 3]

FIG.4



6. Plug in the grey block off plug (PN 255601) to the grey port. Plug in the main wire harness (PN 255602) to the black port as shown. [FIGURE 4]

FIG.4



7. Route the 2 black ground wires to the ground connection under the IIC mount on the fender. Cut to length, strip and crimp the terminal connectors (PN 605751) on. Use a heat gun to activate heat shrink. Connect to the fender ground using a 10mm tighten all IIC mounting bolts at this time. [FIGURE 5]

FIG.5



8. Route the red ACC (ACCESSORY) wire and main power wire down to the wire loom at the base of the fuse box. Feed the red AAC (ACCESSORY) wire and main power wire up into the fuse box. [FIGURE 7]

FIG.7



9. Locate the supplied fuse tap (PN 255607) and low-profile mini fuse. using the main power this time tap Insert the supplied 10 AMP fuse into the upper fuse slot on the fuse tap. Locate the 10A INJ fuse. Remove the 10 AMP INJ fuse and insert it into the lower slot on the fuse tap.

10. Insert the fuse tap in the original location of the INJ fuse.

11. Locate the supplied fuse tap (PN 255607) and low-profile mini fuse. starting with the accessory tap Insert the supplied 2 AMP fuse into the upper fuse slot on the fuse tap. Locate the 10A AUX NO.2 fuse. Remove the 10 AMP AUX NO.2 fuse and insert it into the lower slot on the fuse tap. [FIGURE 8, 8a]

12. Insert the fuse tap in the original location of the AUX NO.2 fuse.

13. Use the supplied butt connector (PN 605750) to connect the fuse tap to the red ACC (ACCESSORY) wire. Then use the other supplied butt connector to connect the 10 AMP fuse tap to the main power wire. Use a heat gun to activate heat shrink. [FIGURE 8, 8b]

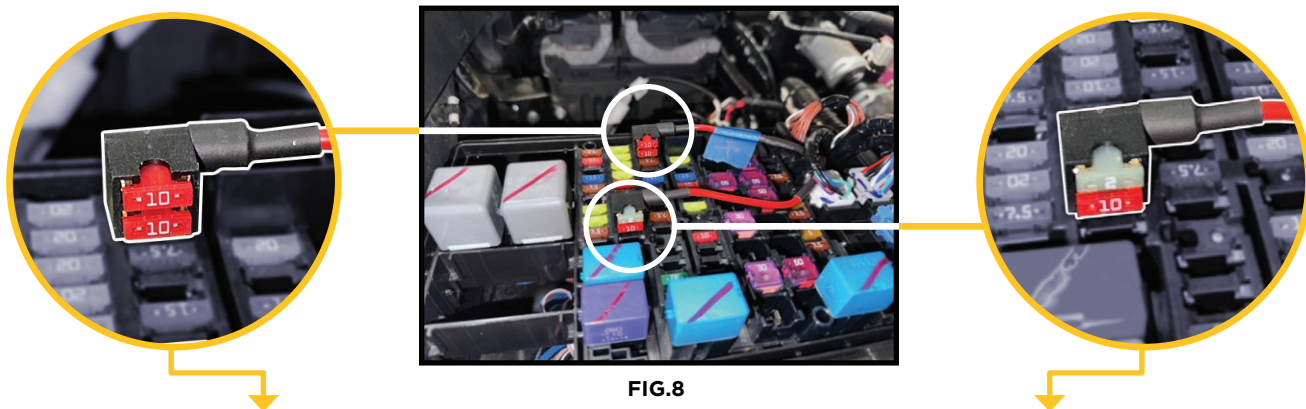


FIG.8

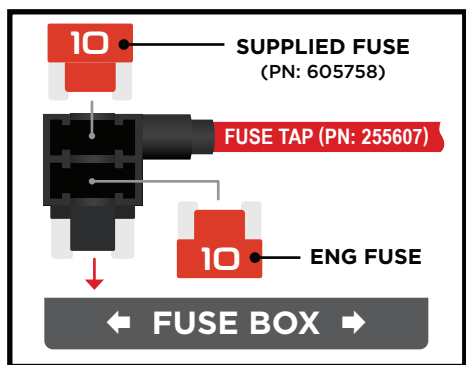


FIG.8a

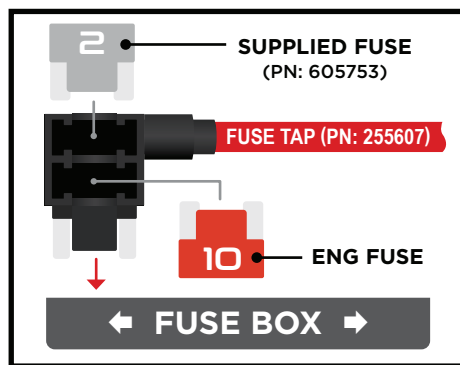
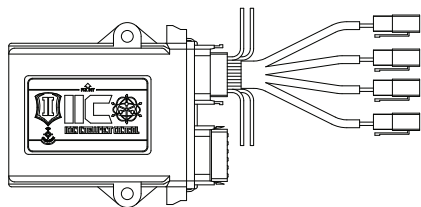


FIG.8b

WIRE CONNECTIONS



PLUG	POSITION	WIRE LENGTH	PART #
4	DRIVER FRONT	4-FT WIRE	255064-04
3	PASSENGER FRONT	14-FT WIRE	255064-14
2	DRIVER REAR	16-FT WIRE	255064-16
1	PASSENGER REAR	20-FT WIRE	255064-20

14. Route the 4-ft wire down to the frame rail to the driver side front shock. [FIGURE 9]

FIG.9



15. Route the 14-ft wire back to the fire wall and across the to the passenger side. Route the wire under the battery along the frame rail to the passenger side front shock. [FIGURE 10, 11, 12]

FIG.10

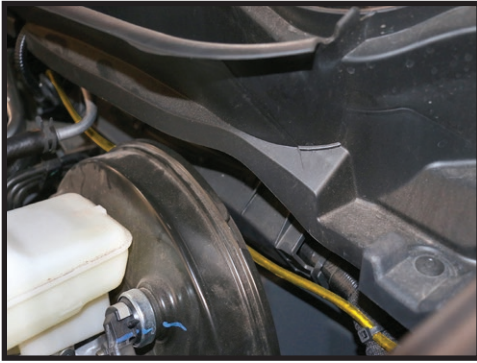


FIG.11

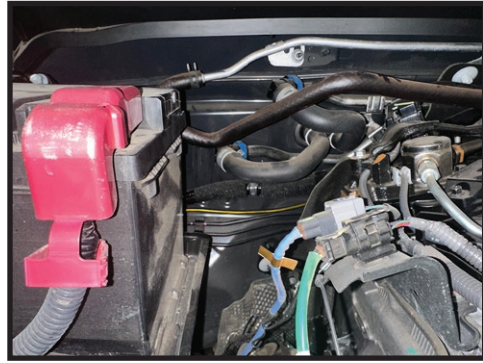


FIG.12



16. Route the 16-ft and 20-ft wires down along the frame.

17. Route the wires along the brake lines down to the frame rail. using the zip-ties to hold the wires to the brake line [FIGURE 13 & 14]

FIG.13

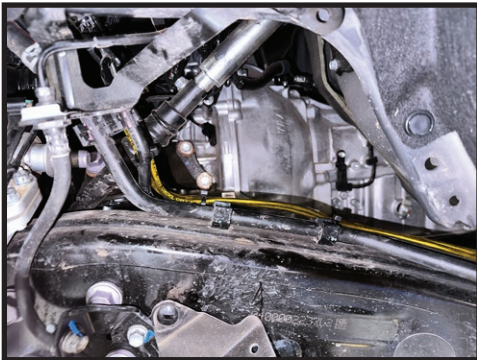


FIG.14



18. Route the wires along the wire harness to the driver rear shock. Route the 16-ft wire to the driver side rear shock reservoir. [FIGURE 15 & 16]

FIG.15



FIG.16



19. Route the 20-ft wire across the crossmember following the wire harness to the driver side rear shock. Continue to the passenger side rear shock reservoir. [FIGURE 17 & 18]



FIG.17



FIG.18

20. Reconnect the battery using a 10mm.

21. Download the ICON INTELLIGENT CONTROL App on your 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.

ICON VEHICLE DYNAMICS LIMITED LIFETIME WARRANTY

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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.

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WIRE ROUTING DIAGRAM: 2024 Tacoma

