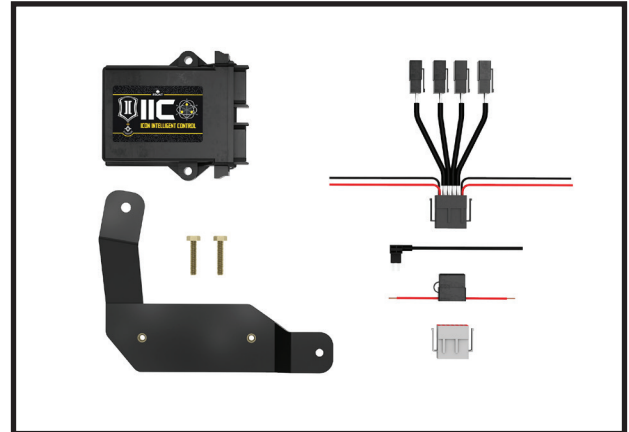


7929 Lincoln Ave. Riverside, CA 92504
 Phone: 951.689.ICON | Fax: 951.689.1016

PART #	DESCRIPTION
213500	14-UP RAM HD IIC INSTALL KIT

COMPONENTS INCLUDED	
(1) 214440 14-UP RAM HD IIC MOUNT (1) 255600 IIC CONTROLLER (1) 255601 BLOCK OFF PLUG	(1) 255602 MAIN HARNESS IIC CONTROLLER (1) 255605-10 FUSE HOLDER 10 AMP (1) 255608 FUSE TAP MICRO2
HARDWARE INCLUDED	
(1) 605926 5-1/2 X 0.14 NYLON CABLE TIE, BLACK PACK OF 100 (8) 605929 11 X 0.178 NYLON CABLE TIE, BLACK (1) 605033 1/4 - 14 X .750 SELF DRILLING/TAPPING SCREW (2) 605750 BUTT CONNECTOR, 18GA, HEAT SHRINK (3) 605751 TERMINAL CONNECTOR 5/16", 18 GA, HEAT SHRINK	(1) 605755 FUSE, 5 AMP MICRO2 (1) 605760 WIRE LOOM 1/4" X 6 FT (2) 605069 1/4-20 X 1.25 HHCS GR8 YZINC FULLY THREADED (2) 605984 RUBBER STRIP 1" X 3" X 1/32", ADHESIVE BACK
SUPPLIED WITH FRONT SHOCKS	
(1) 255604-04 4-FT WIRE	(1) 255604-14 14-FT WIRE
SUPPLIED WITH REAR SHOCKS	
(2) 255604-30 30-FT WIRE	
TOOLS REQUIRED	
FLUSH CUTS FLAT HEAD SCREWDRIVER TORQUE WRENCH 10MM SOCKET / WRENCH 12MM SOCKET / WRENCH	13MM SOCKET / WRENCH 3/8" SOCKET / WRENCH 7/16" SOCKET / WRENCH
TECH NOTES	
<ol style="list-style-type: none"> 1. WIRE LENGTHS ARE MEASURED FOR A 4-DOOR SHORT BED. 2. GOLD WIRE COLOR IN FIGURES DENOTES BASIC WIRE PATH (FOR CLARITY). 3. SEE PAGE 8 FOR WIRE ROUTING DIAGRAM. 	
FUSE OPTIONS	
POWER AAC	



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. Use a flathead screw driver to remove the plastic clips holding the front shroud in place. Remove the front shroud. [FIGURE 1 & 2]



FIG.1



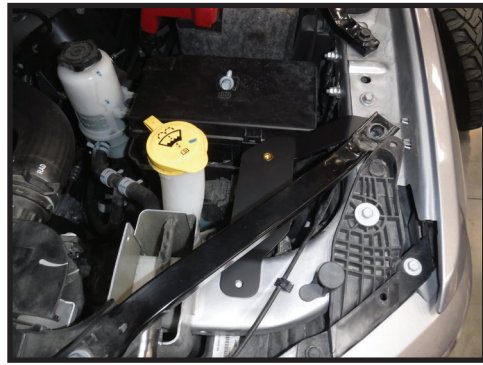
FIG.2

2. Remove the fender bolt from the front brace on the driver's side using a 13mm. Place the supplied bracket (PN 214440) as shown. [FIGURE 3 & 4]

FIG.3



FIG.4



3. Snug the bolt ensuring the proper placement of the bracket. Mark the hole location for the front mounting bolt. Remove the bracket and the brace using a 13mm. Use the supplied screw (PN 605033) to drill and tap a hole. Remove the screw. [FIGURE 5 & 6]

FIG.5

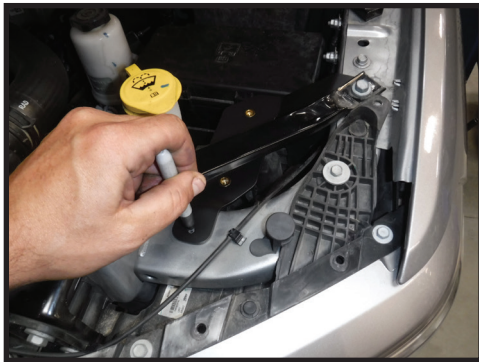
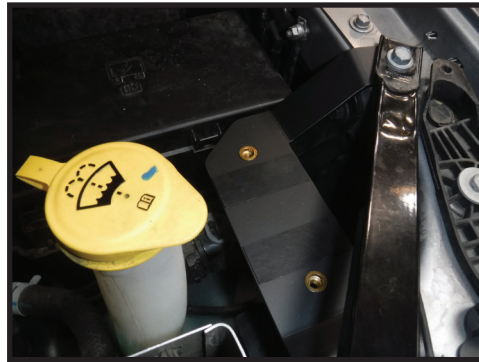


FIG.6



4. Position the bracket with the fender brace on top. Put the factory bolts in. Install the supplied screw and tighten. Torque to 18 in-lbs using a 3/8. Tighten the fender brace to factory spec using a 13mm. Install the adhesive rubber strips (PN 605984) as shown. [FIGURE 7]

FIG.7



5. Connect the grey block-off plug to the grey port on the IIC. Connect the main harness plug to the black port of the IIC. Mount the IIC as shown using the supplied 1/4" bolts (PN 605069). Torque to 50 in-lbs using a 7/16. [FIGURE 8 & 9]

FIG.8



FIG.9



6. Insert the supplied fuse (PN 605755) in the upper slot of the fuse tap (PN 255608). Find the POWER ACC fuse (20A). [FIGURE 10 & 11]

FIG.10

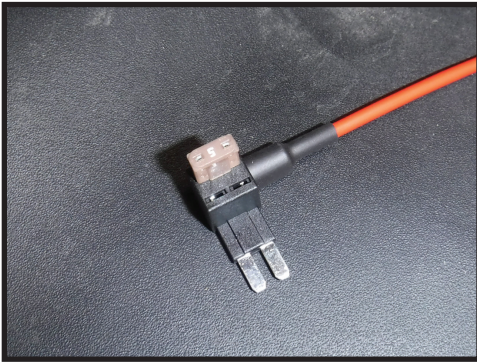


FIG.11



7. Remove the fuse and insert it into the lower slot of the fuse tap. Insert the fuse tap into the original location of the POWER ACC fuse. [FIGURE 12 & 13]

FIG.12



FIG.13



8. Route the red (ACC) wire from the IIC up into the fuse box. Trim as necessary. Strip the wire and crimp the supplied butt connector (PN: 605750) on. Crimp the fuse tap (PN: 255608) to the butt connector. Activate the heat shrink using a heat gun. [FIGURE 14 & 15]

FIG.14



FIG.15



9. Route the Red wire labeled (PWR) to the positive battery terminal. Trim as necessary. Strip the wire and crimp the supplied butt connector (PN: 605750) on. Crimp the supplied inline fuse (PN: 255605-10) to the butt connector. Crimp the supplied terminal connector (PN: 605751) to the inline fuse. Activate the heat shrink using a heat gun. Connect the terminal connector to the battery using a 12mm. [FIGURE 16 & 17]

FIG.16

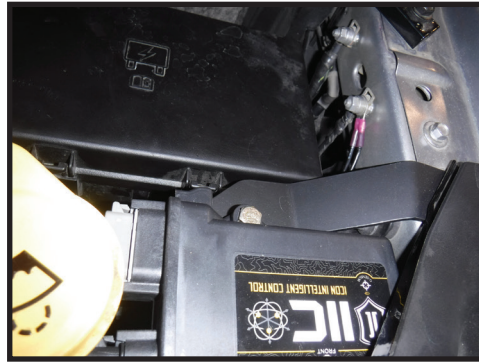


FIG.17



10. Route the 2 black (GRD) wires from the IIC to the ground posts on the fender. Trim as necessary. Strip the wire and crimp the supplied terminal connector (PN: 605751). Connect the terminal connector to the ground post using a 10mm. [FIGURE 18]

FIG.18



11. Connect the wires supplied in the shock kits to the main harness.

12. Connect the 4-FT wire (PN: 255604-4) to the #1 plug. Write DF (Driver Front) on both wire plugs with a marker.

13. Connect the 14-FT wire (PN: 255604-14) to the #2 plug. Write PF (Passenger Front) on both wire plugs with a marker.

14. Connect the 30-FT wire (PN: 255604-30) to the #3 plug. Write DR (Driver Rear) on both wire plugs with a marker.

15. Connect the 30-FT wire (PN: 255604-30) to the #4 plug. Write PR (Passenger Rear) on both wire plugs with a marker.

16. Route the 4 shock wires down along the side of the battery. Use the supplied zip-ties to hold them to the factory wire loom. At the fuse box, the 4-ft wire (marked DF) splits off and goes to the driver front fender well. [FIGURE 19 & 20]

FIG.19



FIG.20



17. The other 3 wires route to the fire wall and follow the factory harness across the firewall to the passenger fender. Use the bigger zip-ties (PN 605929) when necessary to wrap around the factory harness. [FIGURE 21 & 22]

FIG.21



FIG.22

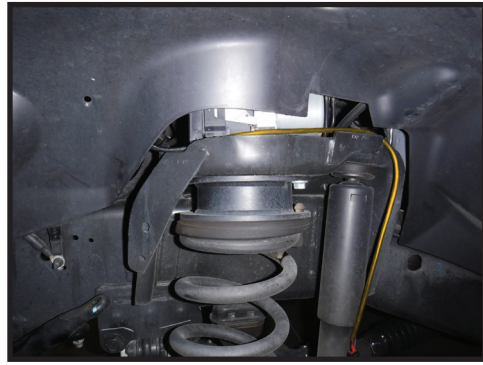


18. Route the wires down between the battery and the firewall to the back of the front passenger fender well. The 14-ft wire (marked PF) splits off and goes to the passenger front fender well. [FIGURE 23 & 24]

FIG.23



FIG.24



19. Route the other 2 wires down to the frame rail and along the frame rail following the factory wire harness. [FIGURE 25, 26, 27 & 28]

FIG.25



FIG.26



FIG.27



FIG.28



20. Route the wires up and over the frame rail and along the inside of the frame following the factory harness. Route the wires along the tubular crossmember toward the fuel tank. [FIGURE 29 & 30]

FIG.29



FIG.30



21. From this point, continue routing the wires, but do not zip-tie yet. Route the wires along the tubular cross member and then over to the (soft) rear brake lines. Route down the brake lines to the differential. [FIGURE 31 & 32]

FIG.31



FIG.32



22. Route the wire marked DR, and route along the hard brake lines toward the driver rear wheel. Before reaching the lower coil seat, route the wire over the axle tube and around the front of the coil seat. [FIGURE 33 & 34]

FIG.33

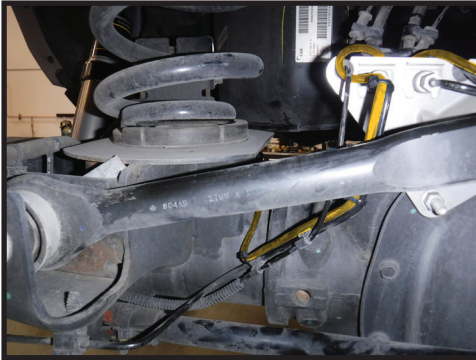


FIG.34



23. Route the wire between the 4-link bracket and the bumpstop pad. Connect the wire to the driver rear shock. [FIGURE 35 & 36]

FIG.35



FIG.36



24. Route the wire labeled PR and route it along the hard brake lines toward the passenger rear wheel. [FIGURE 37 & 38]

FIG.37

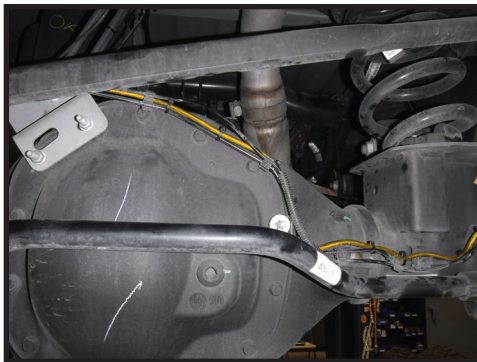
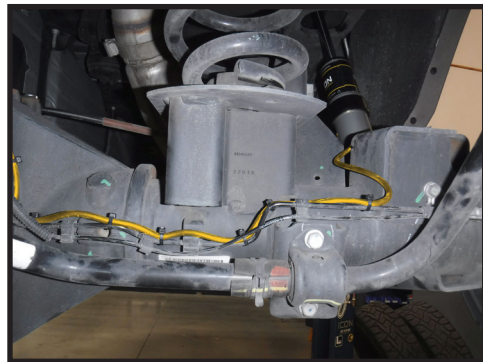


FIG.38



25. After the coil seat, route the wire over the axle to the front of the bumpstop pad. Connect the wire to the passenger rear shock. [FIGURE 39]

FIG.39



26. From the rear shocks, zip-tie the wire along the previously explained route back to the tubular crossmember. If there is excess wire, loop it and zip-tie it to the crossmember. 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.

27. Download the ICON INTELIGENT 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.

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