

# WHELEN<sup>®</sup>

## ENGINEERING COMPANY

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### Installation Guide: WeCanX™Tracer™ Series Lightbar

#### Warnings to Installers

Whelen's emergency vehicle warning devices must be properly mounted and wired in order to be effective and safe. Read and follow all of Whelen's written instructions when installing or using this device. Emergency vehicles are often operated under high speed stressful conditions which must be accounted for when installing all emergency warning devices. Controls should be placed within convenient reach of the operator so that they can operate the system without taking their eyes off the roadway. Emergency warning devices can require high electrical voltages and/or currents. Properly protect and use caution around live electrical connections. Grounding or shorting of electrical connections can cause high current arcing, which can cause personal injury and/or vehicle damage, including fire. Many electronic devices used in emergency vehicles can create or be affected by electromagnetic interference. Therefore, after installation of any electronic device it is necessary to test all electronic equipment simultaneously to insure that they operate free of interference from other components within the vehicle. Never power emergency warning equipment from the same circuit or share the same grounding circuit with radio communication equipment. All devices should be mounted in accordance with the manufacturer's instructions and securely fastened to vehicle elements of sufficient strength to withstand the forces applied to the device. Driver and/or passenger air bags (SRS) will affect the way equipment should be mounted. This device should be mounted by permanent installation and within the zones specified by the vehicle manufacturer, if any. Any device mounted in the deployment area of an air bag will damage or reduce the effectiveness of the air bag and may damage or dislodge the device. Installer must be sure that this device, its mounting hardware and electrical supply wiring does not interfere with the air bag or the SRS wiring or sensors. Mounting the unit inside the vehicle by a method other than permanent installation is not recommended as unit may become dislodged during swerving; sudden braking or collision. Failure to follow instructions can result in personal injury. Whelen assumes no liability for any loss resulting from the use of this warning device. **PROPER INSTALLATION COMBINED WITH OPERATOR TRAINING IN THE PROPER USE OF EMERGENCY WARNING DEVICES IS ESSENTIAL TO INSURE THE SAFETY OF EMERGENCY PERSONNEL AND THE PUBLIC.**

#### Warnings to Users

Whelen's emergency vehicle warning devices are intended to alert other operators and pedestrians to the presence and operation of emergency vehicles and personnel. However, the use of this or any other Whelen emergency warning device does not guarantee that you will have the right-of-way or that other drivers and pedestrians will properly heed an emergency warning signal. Never assume you have the right-of-way. It is your responsibility to proceed safely before entering an intersection, driving against traffic, responding at a high rate of speed, or walking on or around traffic lanes. Emergency vehicle warning devices should be tested on a daily basis to ensure that they operate properly. When in actual use, the operator must ensure that both visual and audible warnings are not blocked by vehicle components (i.e.: open trunks or compartment doors), people, vehicles, or other obstructions. It is the user's responsibility to understand and obey all laws regarding emergency warning devices. The user should be familiar with all applicable laws and regulations prior to the use of any emergency vehicle warning device. Whelen's audible warning devices are designed to project sound in a forward direction away from the vehicle occupants. However, because sustained periodic exposure to loud sounds can cause hearing loss, all audible warning devices should be installed and operated in accordance with the standards established by the National Fire Protection Association.

#### Safety First

This document provides all the necessary information to allow your Whelen product to be properly and safely installed. Before beginning the installation and/or operation of your new product, the installation technician and operator must read this manual completely. Important information is contained herein that could prevent serious injury or damage.

**⚠ WARNING:** This product can expose you to chemicals including Methylene Chloride which is known to the State of California to cause cancer, and Bisphenol A, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

- Proper installation of this product requires the installer to have a good understanding of automotive electronics, systems and procedures.
- Whelen Engineering requires the use of waterproof butt splices and/or connectors if that connector could be exposed to moisture.
- Any holes, either created or utilized by this product, should be made both air- and watertight using a sealant recommended by your vehicle manufacturer.
- Failure to use specified installation parts and/or hardware will void the product warranty.
- If mounting this product requires drilling holes, the installer MUST be sure that no vehicle components or other vital parts could be damaged by the drilling process. Check both sides of the mounting surface before drilling begins. Also de-burr the holes and remove any metal shards or remnants. Install grommets into all wire passage holes.
- If this manual states that this product may be mounted with suction cups, magnets, tape or Velcro®, clean the mounting surface with a 50/50 mix of isopropyl alcohol and water and dry thoroughly.
- Do not install this product or route any wires in the deployment area of your air bag. Equipment mounted or located in the air bag deployment area will damage or reduce the effectiveness of the air bag, or become a projectile that could cause serious personal injury or death. Refer to your vehicle owner's manual for the air bag deployment area. The User/Installer assumes full responsibility to determine proper mounting location, based on providing ultimate safety to all passengers inside the vehicle.
- For this product to operate at optimum efficiency, a good electrical connection to chassis ground must be made. The recommended procedure requires the product ground wire to be connected directly to the NEGATIVE (-) battery post (this does not include products that use cigar power cords).
- If this product uses a remote device for activation or control, make sure that this device is located in an area that allows both the vehicle and the device to be operated safely in any driving condition.
- Do not attempt to activate or control this device in a hazardous driving situation.
- This product contains either strobe light(s), halogen light(s), high-intensity LEDs or a combination of these lights. Do not stare directly into these lights. Momentary blindness and/or eye damage could result.
- Use only soap and water to clean the outer lens. Use of other chemicals could result in premature lens cracking (crazing) and discoloration. Lenses in this condition have significantly reduced effectiveness and should be replaced immediately. Inspect and operate this product regularly to confirm its proper operation and mounting condition. Do not use a pressure washer to clean this product.
- It is recommended that these instructions be stored in a safe place and referred to when performing maintenance and/or reinstallation of this product.
- **FAILURE TO FOLLOW THESE SAFETY PRECAUTIONS AND INSTRUCTIONS COULD RESULT IN DAMAGE TO THE PRODUCT OR VEHICLE AND/OR SERIOUS INJURY TO YOU AND YOUR PASSENGERS!**

**IMPORTANT NOTE FOR ALL MOUNTING OPTIONS:** There is a label on each lightbar showing the correct orientation the lightbar should be mounted. Always refer to the direction indicated when mounting the lightbar.

### ***Running Board Mounting***

**Mounting:**

**2015-19 Ford Explorer**

**2015-18 Dodge Ram 1500 Crew Cab**

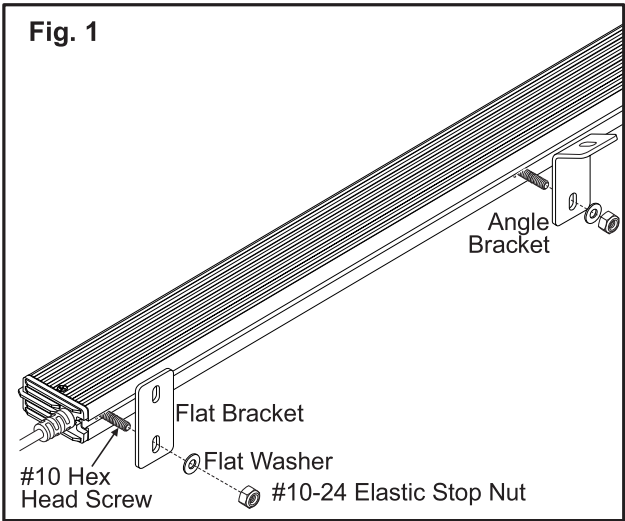
**Universal L-Bracket**

**2015-21 Dodge Charger**

**2019-21 Dodge Ram 1500 Classic**

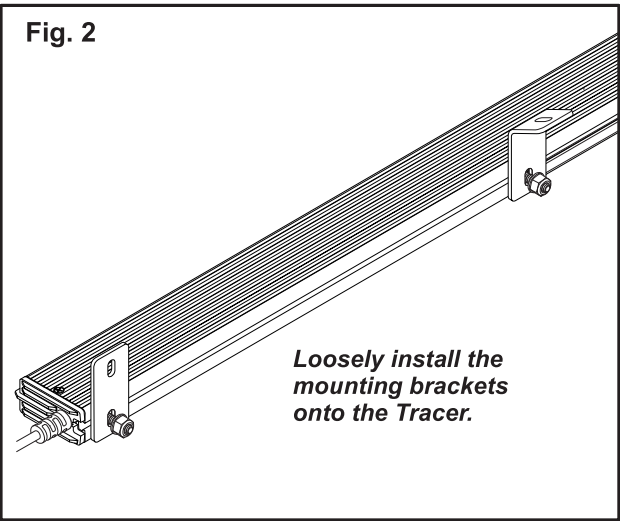
**2015-21 Dodge Durango**

1. Loosely install the brackets onto the Tracer (Figs. 1 & 2). Note that the flat bracket (if included) is designed to be used on the stud located nearest to the rear of the vehicle. (See next page for special 2021 Chevrolet Tahoe mounting)

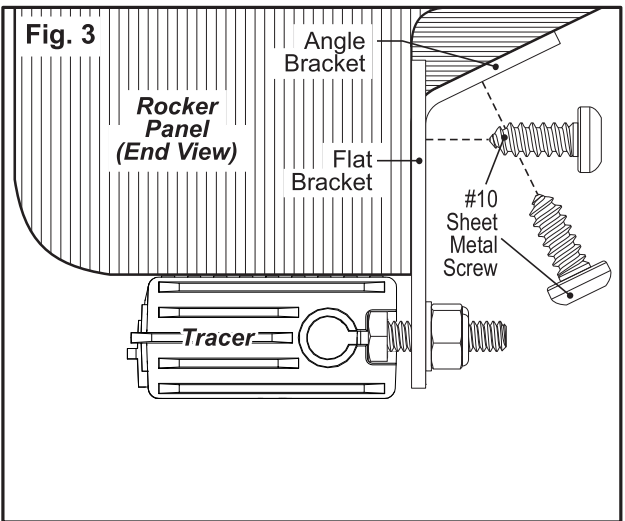


2. Position the Tracer assembly into its mounting location between the two factory jacking points on your vehicle. With the assembly properly positioned, and using the brackets as guides, mark the locations for the mounting holes. Using a #21 bit (Ø.159), drill and deburr mounting holes at each of the locations marked in the previous step.

**Note:** Be sure to apply a generous, protective layer of RTV in and around each of these holes before continuing.



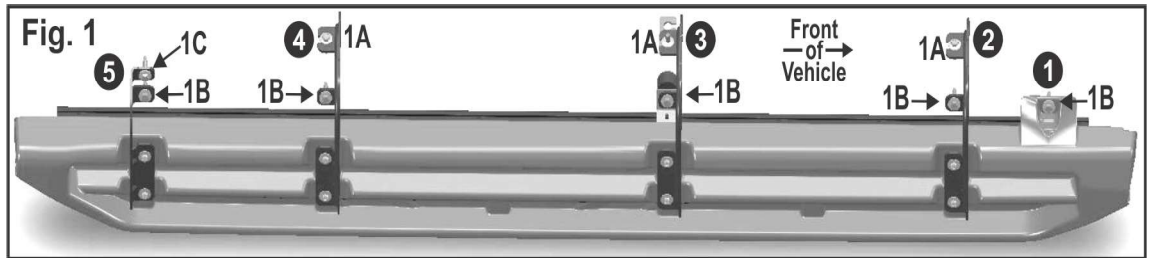
3. Using the hardware provided, secure the Tracer assembly to the vehicle as shown (Fig 3). Tighten the hardware used to secure the brackets to the Tracer.



4. Wire the Tracer as outlined in the Wiring section of this installation guide.

**Mounting: 2021 Chevrolet Tahoe PPV/SSV (with Factory Running Board) / 2021 Suburban**  
**IMPORTANT: These mounting brackets can only be used with factory equipped molded plastic running boards**  
**2021 Suburban: Mounting is the same except the Suburban uses an extra mounting bracket (Fig. 6)**

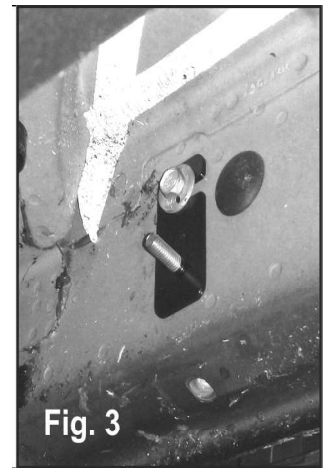
*The Tracer Mounts, between the running board and vehicle body.*



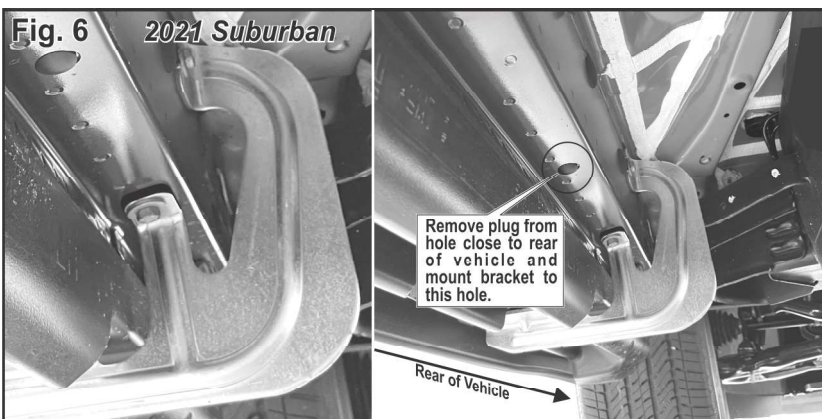
1. Remove factory running board (Fig. 1):
  - a. Loosen upper bolts (DO NOT REMOVE), qty. 3 (horizontally installed)
  - b. Remove lower bolts qty. 5 (vertically installed)
  - c. Remove the additional rear bolt qty. 1 (vertically installed)
2. Using the supplied "L" brackets, mounting bolt's, 10-24 locking nuts, and washers loosely mount the supplied "L" brackets to the Tracer to aid in mounting (Fig 2). **NOTE: See Fig. 6 for 2021 Suburban.**
3. Locate the three lowering plates with studs provided in the Tracer installation kit and hang them from the three factory bolts that were loosened from step 1 (Fig. 3).  
**NOTE: (It is recommended to lightly tighten the factory bolts to aid in the installation of the running board)**
  - a. Loosely place the three 5/16-18 nylock nuts with three 5/16 flat washers onto each of the studs on the lowering plates
4. Hang the factory running board on the three studs of the newly added lowering plates (Fig. 4)
  - a. Be sure that order of parts is in the following order: nut, washer, running board bracket, lowering plate.



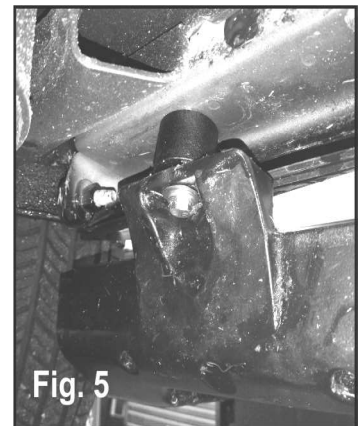
5. Install the supplied spacers using the supplied M8-1.25 x50mm bolts and washers. (the forward most factory running board mounting location will not get a "L" bracket installed to it) **NOTE: The Suburban uses a 6th spacer with tracer mounting items, see Fig. 6 for location.**
  - a. It is recommended to install the center mounting bolt and spacer to aid in installation of the Tracer with "L" mounting already attached
  - b. Start with the 2nd bolt, placing the Tracer with "L" bracket and work your way to the rear of the vehicle. (Place the mounting brackets in the following order: 2, 4, 5, 3) (Refer to circled numbers in Fig. 1).
  - c. Order of parts will be: Bolt, washer, factory running board bracket, tracer "L" bracket, spacer, vehicle body**NOTE: Do Not Tighten these bolts completely**



6. Loosen the three factory bolts from Step 3.
7. Tighten the five mounting bolts that have the spacers and Tracer mounting brackets
  - a. It is recommended to start with the center bolt (Fig. 5) and work towards the outer bolts (3, 2, 4, 1, 5) (Refer to the circled numbers in Fig. 1)
8. Tighten the upper three nuts with washers to the lowering plate and tighten the three factory bolts with washers



**Note: It is suggested to have the factory bolt with washer to be over the factory running board bracket (parts order: bolt, washer, factory bracket, lowering plate, vehicle body)**

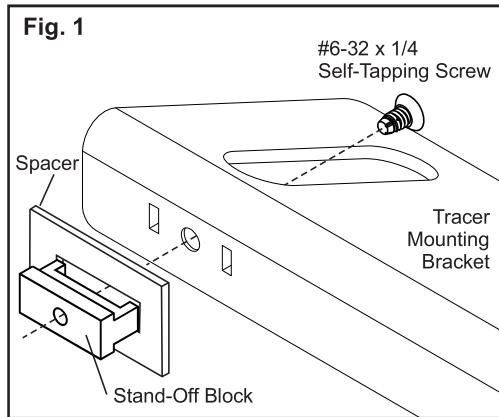


9. Center the Tracer for height and front/rear alignment and perform final tightening of the Tracer mounting nuts on the "L" brackets.

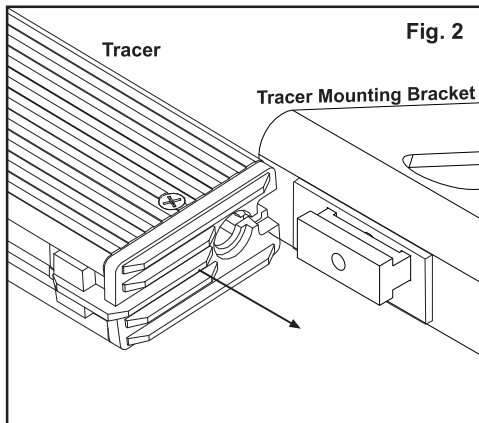
**Important! During reassembly, tighten all vehicle hardware to the recommended torque values specified in the Factory Service Manual for your vehicle.**

## Mounting: 2009-18 Chevy Silverado 1500 (with Factory Running Board)

1. Using #6-32 x 1/4 self-tapping screws (included), loosely install the six stand-off blocks onto the mounting bracket as shown with supplied spacers (Fig. 1).



2. Slide the bracket assembly into either end of the extrusion. Note that the Tracer may be installed so that the end with the cable is oriented towards either the front or the rear of the vehicle (Fig. 2). Note that applying a light coating of WD-40 to the inside track of the extrusion will allow the assembly to slide more easily.

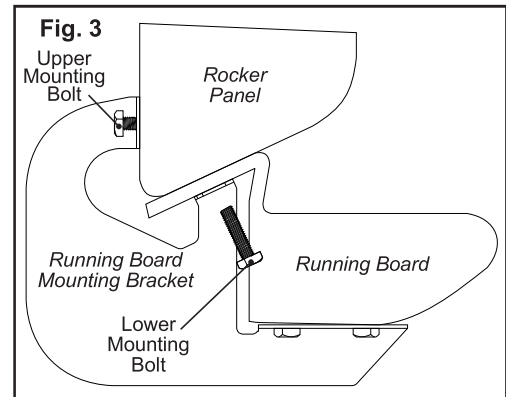


3. Slide the mounting bracket into the extrusion until it is centered on the Tracer.

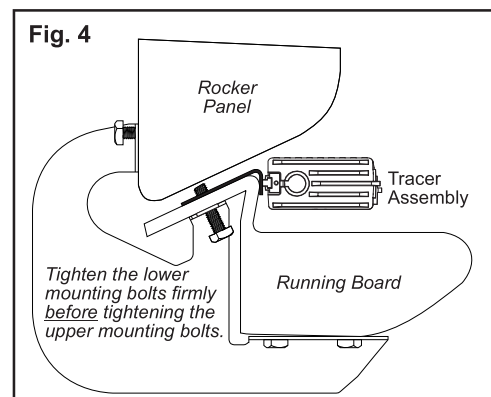
**Tahoe:** Slide the mounting bracket into the extrusion until the end of the Tracer extends 1" beyond the edge of the bracket. This end, when installed, will be nearest to the rear of the vehicle.

4. Tighten each of the 6 screws firmly to lock the Tracer into position. The Tracer assembly may now be installed onto the appropriate running board.
5. There are several brackets used to mount the running board to the vehicle. Remove all of the lower bolts used to secure the running board to the vehicle (Fig. 3).

Loosen but **do not remove** the upper mounting bolt for each bracket. This allows the running board to be lowered so that the Tracer assembly can be installed between the rocker panel and the running board.



6. Position the Tracer assembly between the running board and the vehicle rocker panel (Fig. 4). Align the Tracer's mounting bracket holes with the lower mounting bolt holes in the running board. **Important! During reassembly, tighten all vehicle hardware to the recommended torque values specified in the Factory Service Manual for your vehicle.**



7. Return the lower mounting bolts removed in Step 4 to their original location. Tighten these bolts so that the Tracer assembly is drawn up against the rocker panel. The upper mounting bolts should now be tightened.
8. Wire the Tracer as shown in the Wiring section.

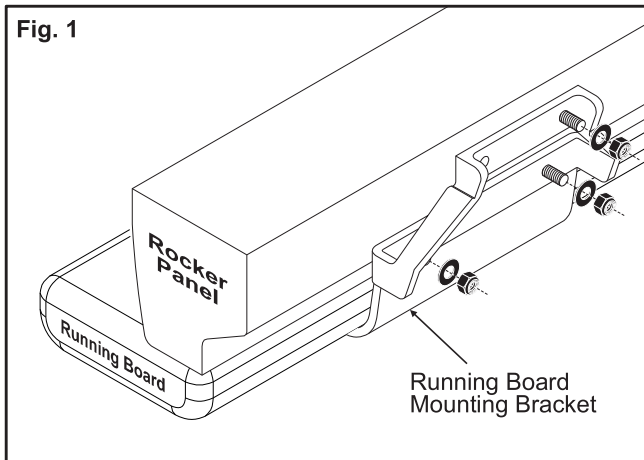


## Mounting:

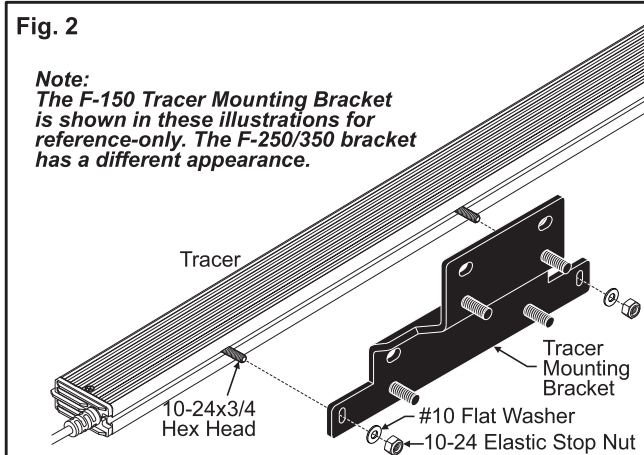
2015-21 Ford F-150 (with Factory Running Board)

2017-21 Ford F-250/350 (with Factory Running Board)

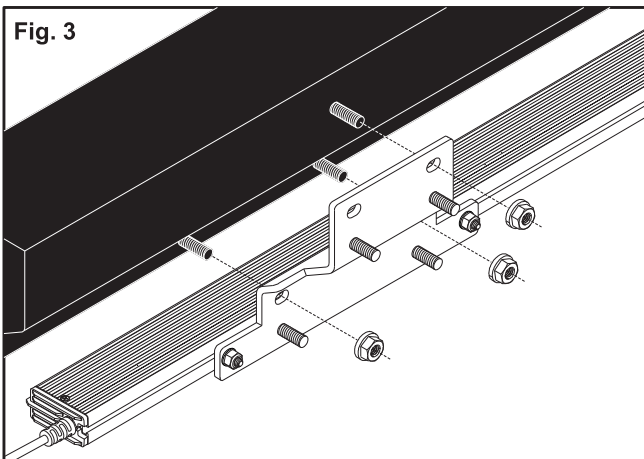
2018-21 Ford Expedition (with Factory Running Board)



1. Remove and retain the hardware used to secure the running board/mounting bracket assembly to the backside of the rocker panel. Remove the running board/bracket assembly from the vehicle (Fig.1). **Note: For F-250/350, plastic bracket covers must be removed.**



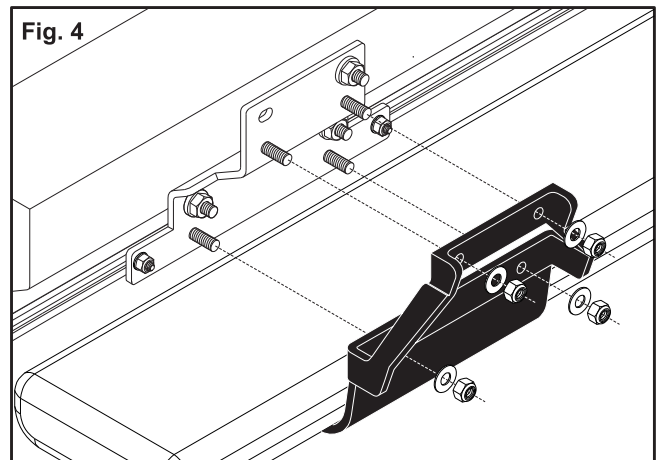
2. Using the hardware shown in Fig. 2, loosely install the three Tracer mounting brackets onto the Tracer.



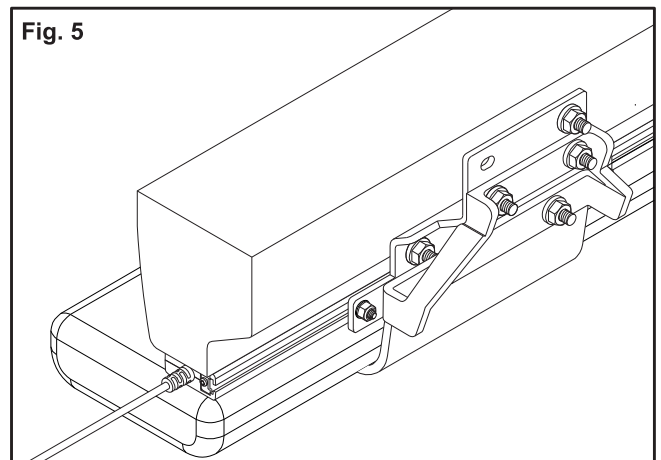
3. **F-150:** Using the hardware removed in Step 1, install these brackets onto the vehicle in the same location as the existing running board brackets (Fig. 3). **Note: The Tracer cable should exit towards the rear of the vehicle.**

**F-250/350:** Position the running board/mounting bracket assembly onto the rocker panel studs so that the Tracer bracket is between the rocker panel and the running board bracket. Use the hardware removed in step 1 to secure the brackets to the vehicle. **Note: The Tracer cable should exit towards the rear of the vehicle.**

4. Adjust the position of the Tracer fore and aft until it is in the desired location. Tighten the hardware firmly to lock the Tracer in position.

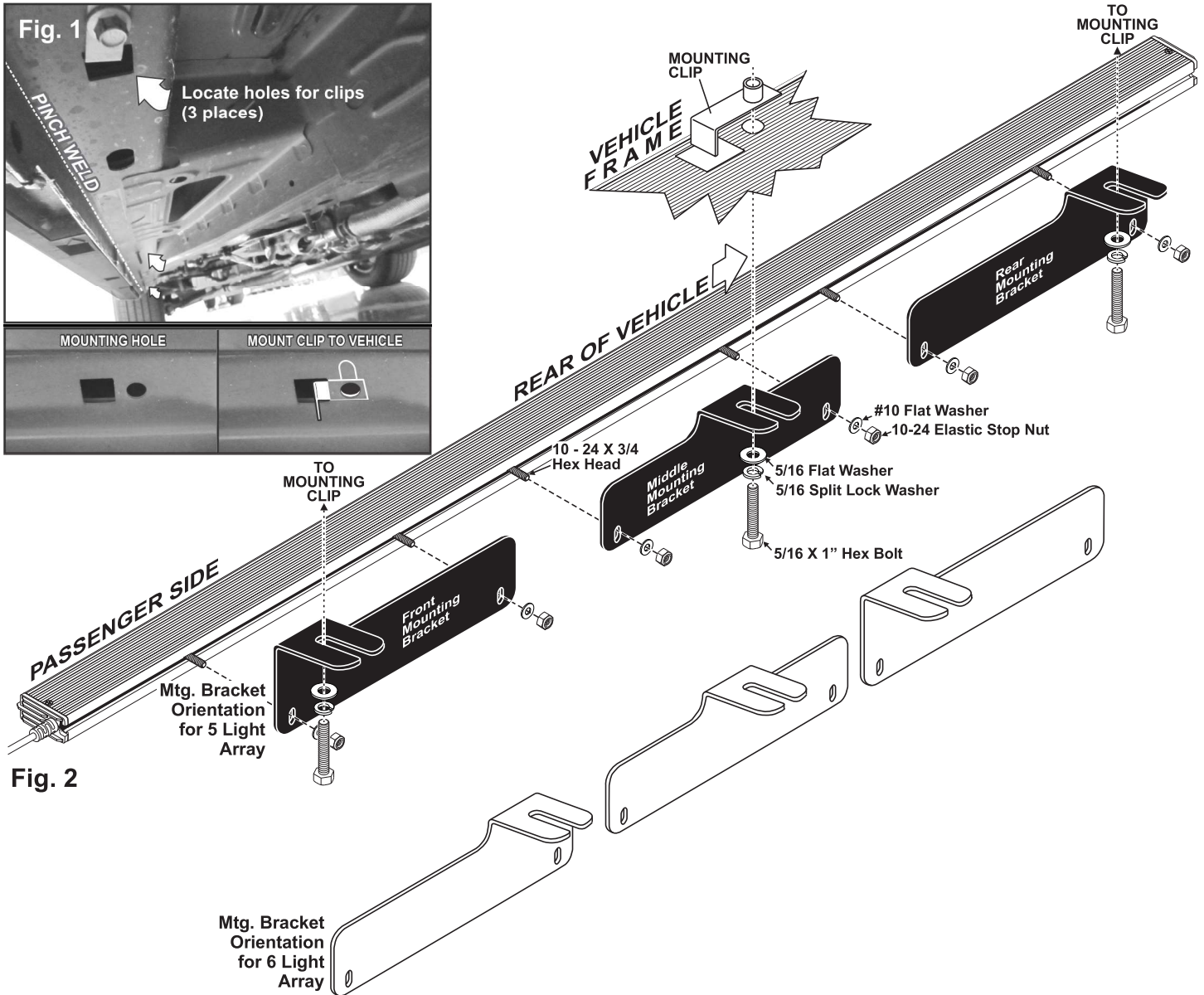
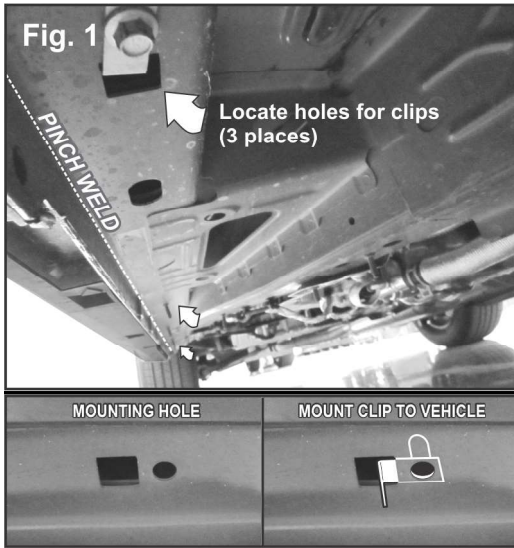


5. Using the hardware provided, secure the running board/mounting bracket assembly to the Tracer mounting brackets (Fig. 4).



6. Fig. 5 shows the general appearance of the finished assembly. When all of the components are in their proper location, tighten all hardware. **Important! During reassembly, tighten all vehicle hardware to the recommended torque values specified in the Factory Service Manual for your vehicle. Tighten all Whelen hardware using similar values.**
7. Wire the Tracer as shown in the Wiring section of this installation guide.

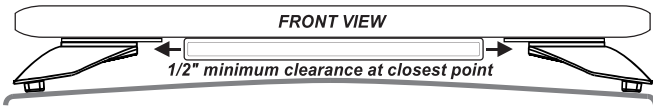
**Mounting:**  
**2020-21 Ford Interceptor SUV (with Factory Running Board)**



**Installation:**

1. On the vehicle frame, locate the holes you will mount the brackets to and insert the supplied clips (Fig. 1). Loosely secure the clips to the vehicle with the supplied 5/16 hex bolt and washers. Tighten hardware just enough so that you will be able to slide the mounting brackets between the flat washer and vehicle.
2. Mount the 3 mounting brackets to the clips you installed in step 1 making sure the brackets sit against the pinch weld in the frame (Fig. 2) and tighten the mounting hardware firmly. There is a specific front, middle and rear bracket. Be sure to mount the brackets to their correct orientation (See Important Note below). The passenger side is shown here. The driver side mounts the same.  
**IMPORTANT NOTE: Make sure you have the outer mounting brackets orientated correctly for either a 5 or 6 light array.**
3. Slide the supplied 10-24X3/4 Hex Head Bolts into the track in the rear of the lightbar. Line the bolts up to the mounting brackets you installed in step 2 and secure the lightbar to the brackets using the supplied flat washer and lock nut.
4. Wire the lightbar as shown in the wiring section of this installation guide.

## Lightbar Mounting



**IMPORTANT:** There must be at least a 1/2 inch clearance between the bottom of the lightbar and the vehicle roof. A Tracer mounted to the bottom of the lightbar will significantly add to the lightbar's depth. You may need taller mounting feet to accommodate the added Tracer. Before starting the installation, check to see if the lightbar will clear the roof after the Tracer is added.

You must also make sure that the Tracer and mounting brackets will fit between the mounting feet and their mounting brackets.

Mounting brackets will mount to the lightbar extrusion using the track that runs the length of the lightbar in the same manner as the mounting feet.

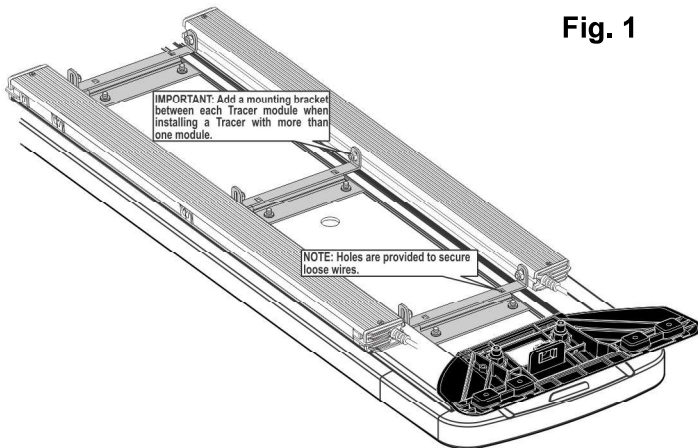
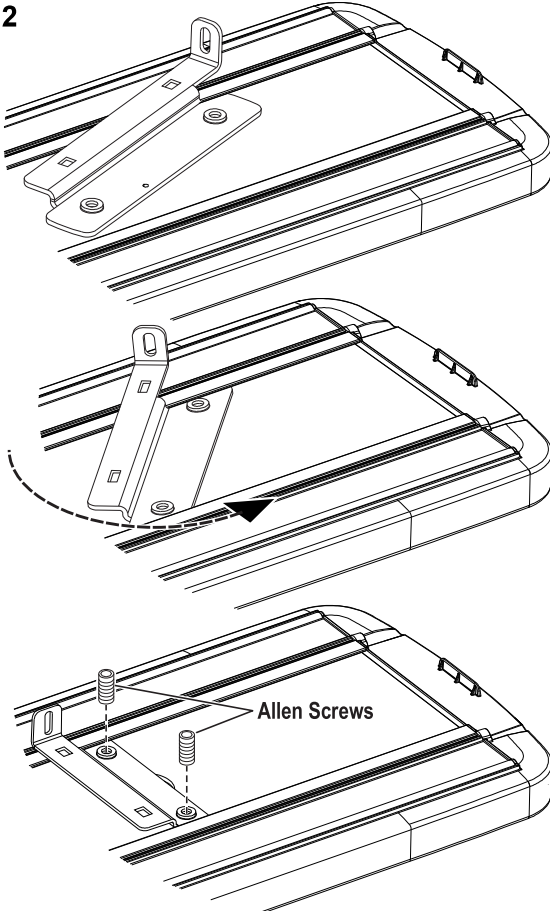


Fig. 1

Fig. 2



### Mounting the brackets:

1. Flip the lightbar upside-down and place the bracket onto the track in the middle of the extrusion, sliding one side of the bracket under one of the lips on the extrusion (Fig. 2). Rotate the bracket 90° so that the edges of the bracket swing into position under both lips.
2. Slide the brackets into position on the extrusion and loosely secure them with the 2 supplied allen screws.

**NOTE:** A single Tracer will only need a mounting bracket at each end. When you mount any of the larger units they will need a mounting bracket on each end as well as an extra bracket where each module meets (Fig. 1).

### Mounting the Tracer to the lightbar:

1. Slide the supplied #10 - 24 X 3/4" Hex Head Machine Screws into the track on the back of the Tracer. Make sure you have the correct amount of screws to accommodate the Tracer(s) you are mounting.
2. Mount the lightbar(s) to the brackets using the supplied mounting hardware (Fig. 3).

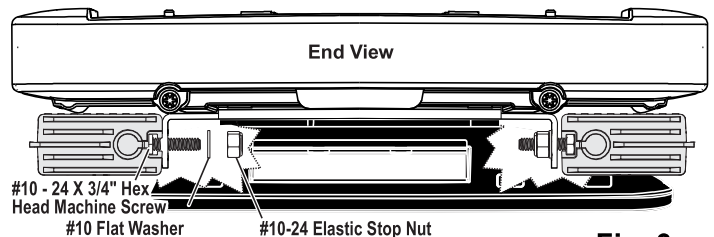
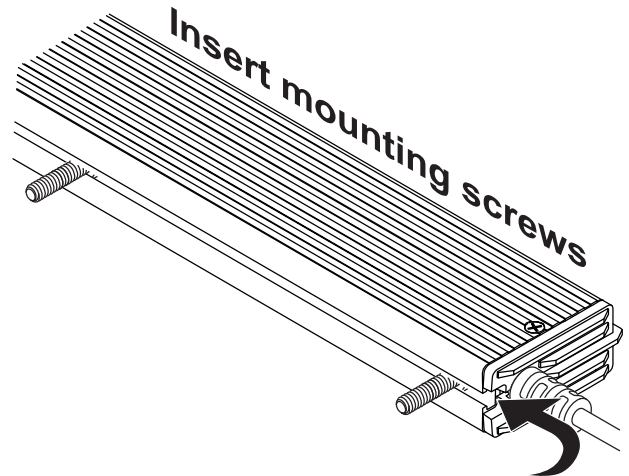


Fig. 3

3. Wire the Tracer as shown in the Wiring section of this installation guide.

## Mounting:

### 2019-21 Chevrolet Silverado:

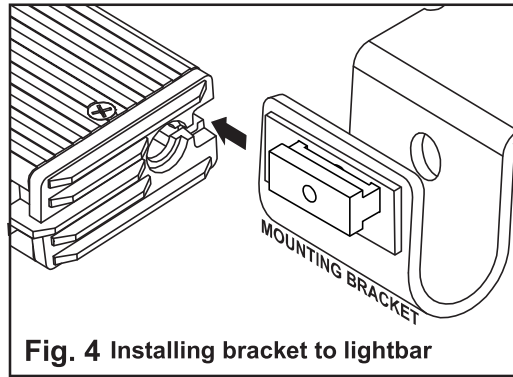
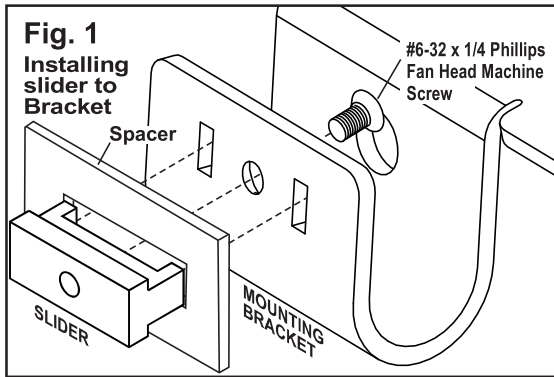
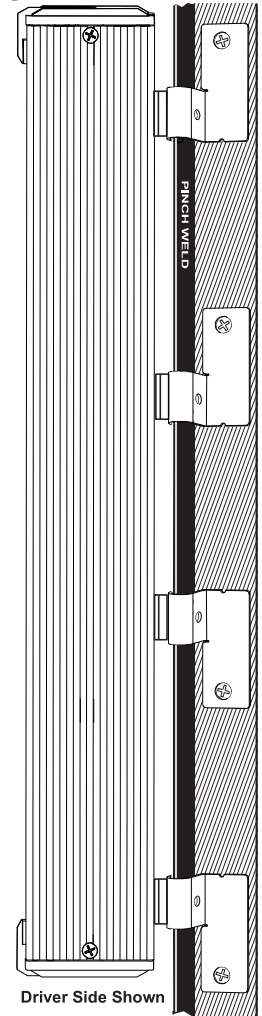


Fig. 3 Bracket Orientation



1. Loosely install the slides and spacers onto the four mounting brackets using the supplied 6 - 32 X 1/4 Phillips Fan Head Machine Screws (Fig. 1). You will tighten the screws later when you mount the light to secure it.  
**NOTE: The mounting brackets will sit on the frame. The curved part of the bracket will straddle the pinch weld as shown (Fig. 2).**



2. The brackets will mount using the existing mounting hardware that holds the running boards to the vehicle. Secure the 4 mounting brackets to the vehicle with the running board mounting hardware and tighten all mounting hardware firmly. Orient the brackets as shown (Fig. 3).
3. Slide the lightbar onto the slides on the mounting brackets. When the light is in position, tighten the screws on the slides to secure the light (Fig. 4).
4. Wire the Tracer as shown in the wiring section.

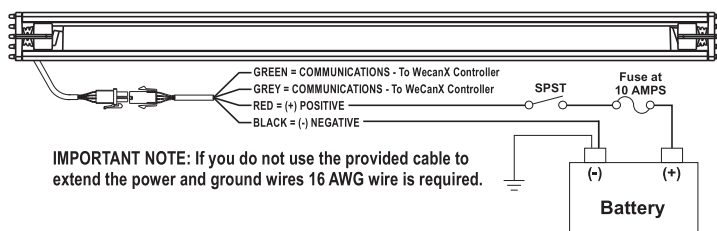
**Important! During reassembly, tighten all vehicle hardware to the recommended torque values specified in the Factory Service Manual for your vehicle. Tighten all Whelen hardware using similar values.**

## Wiring Section:

**NOTE: The WeCanX™ Tracer is only compatible with Whelen Core Control Systems and cannot be used alone or with other control systems**

### Connecting the Power Cable:

**WARNING! All customer supplied wires that connect to the positive terminal of the battery must be sized to supply at least 125% of the maximum operating current and FUSED at the battery to carry that load. DO NOT USE CIRCUIT BREAKERS WITH THIS PRODUCT!**



### Troubleshooting:

Your lightbar should now be fully operational. If it is not functioning properly, check your connections for the following:

- The positive wire (RED) is properly connected to the battery, by way of the user supplied fuse block.
- A working 10 amp fuse is installed in the fuse block.
- The ground wire (BLACK) is properly connected to the factory ground. Be sure that the wire is fully grounded to this location.
- The two communication wires (GREEN and GREY) are properly connected to their communication designations.

### IMPORTANT WARNING!

**CAUTION! DO NOT LOOK DIRECTLY AT THESE LED'S WHILE THEY ARE ON. MOMENTARY BLINDNESS AND/OR EYE DAMAGE COULD RESULT!**

Plug the lightbar cable into the supplied extension cable and extend the wires from the extension cable as shown. Follow the factory wiring harness through the firewall. It may be necessary to drill a hole in the firewall. If so, be absolutely sure that there are no components that could be damaged by drilling. After the hole has been drilled, insert a grommet to protect the cable. Route the cable along the factory wiring harness towards the battery. Install a 10 amp fuse block (customer supplied) on the end of the RED wire in the power cable. **NOTE: Remove the fuse from the fuse block before connecting any wires to the battery.** Connect the BLACK wire to Chassis Ground. The WeCanX™ Tracer must be programmed via Command to operate with your Core control system.



## Mounting: 2021 - 22 Tesla Tracer:

1. Remove the 2 lower plastic trim pieces. Remove the lower one (Fig. 4).
2. Remove the battery securing bolt and install a tracer mounting bracket (Fig. 2). There are 8 bolts per side that secure the battery. Starting at the front counting the securing bolts (Use bolts #2,4,5, and 7 for the mounting brackets) 4 brackets per side will be used (Fig. 3).  
**NOTE: It is recommended that you Remove only one bolt at a time.**
3. Use the installed brackets as a guide for cutting clearance holes/slots for the tracer mounting brackets (Figs. 4 & 5).
4. Drill for the Tracer wire routing at this time

Fig. 1

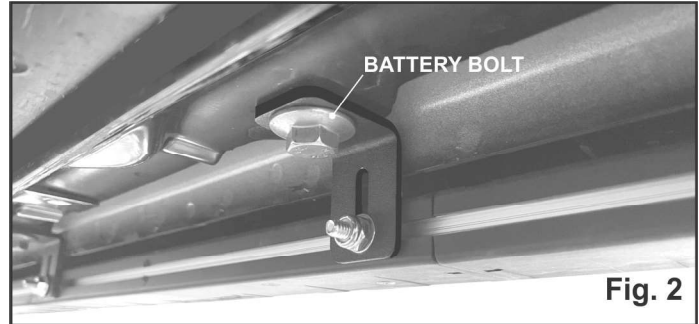
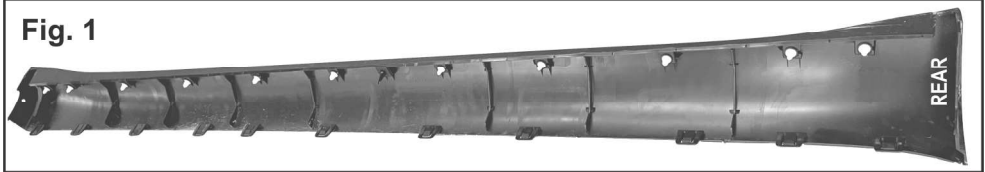


Fig. 2

FRONT

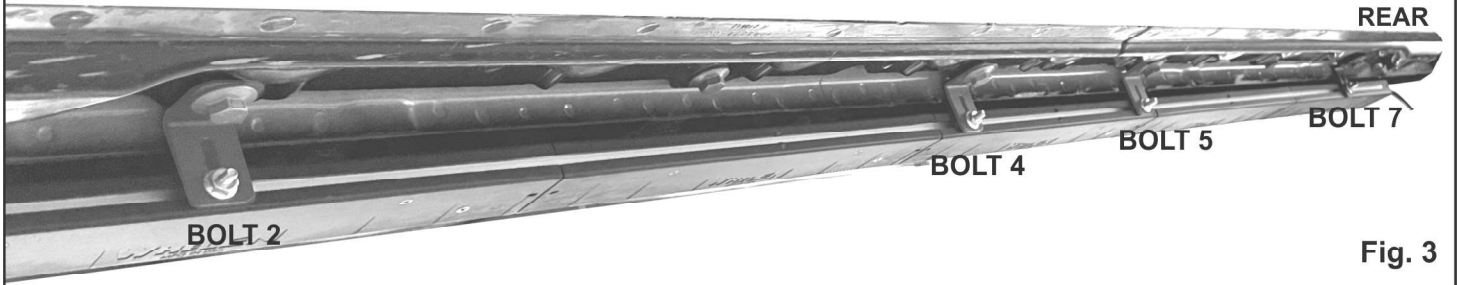


Fig. 3

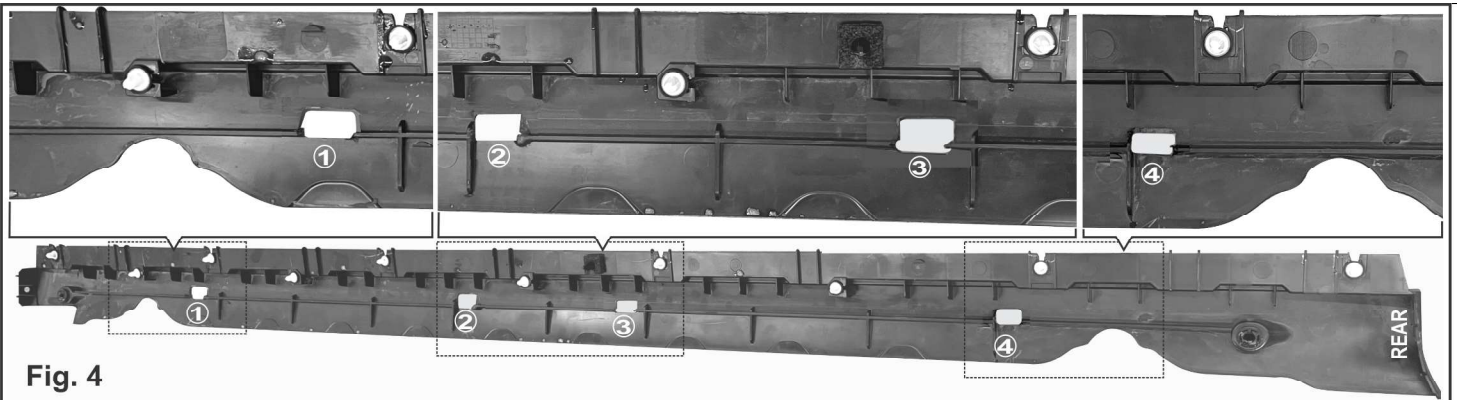


Fig. 4

5. Re-install the 2 lower plastic trim pieces, install the outer one first (Fig. 1). Then install the modified trim piece from step 4 (Fig. 4)
6. Install the Tracer to the brackets you installed using the supplied hardware and route the Tracer wires through the created holes
7. Follow instructions on the previous page for wiring and operation.

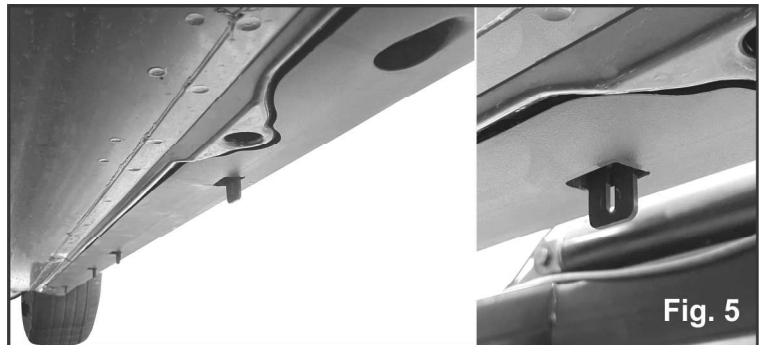
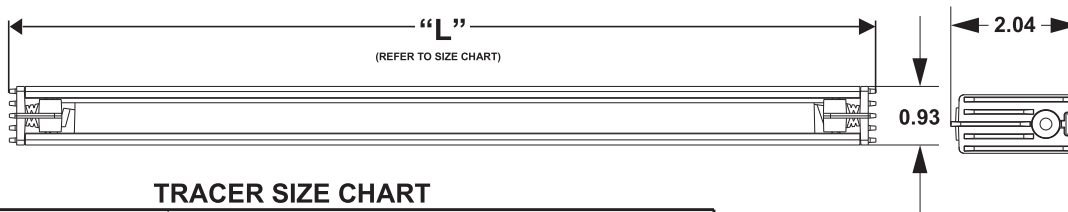


Fig. 5



**TRACER SIZE CHART**

L	PART NUMBER	DESCRIPTION
13.80"	01-0688807-01	FINAL ASSEMBLY, WeCanX TRACER 1 MODULE
26.16"	01-0688807-02	FINAL ASSEMBLY, WeCanX TRACER 2 MODULE
38.53"	01-0688807-03	FINAL ASSEMBLY, WeCanX TRACER 3 MODULE
50.90"	01-0688807-04	FINAL ASSEMBLY, WeCanX TRACER 4 MODULE
63.26"	01-0688807-05	FINAL ASSEMBLY, WeCanX TRACER 5 MODULE
75.62"	01-0688807-06	FINAL ASSEMBLY, WeCanX TRACER 6 MODULE

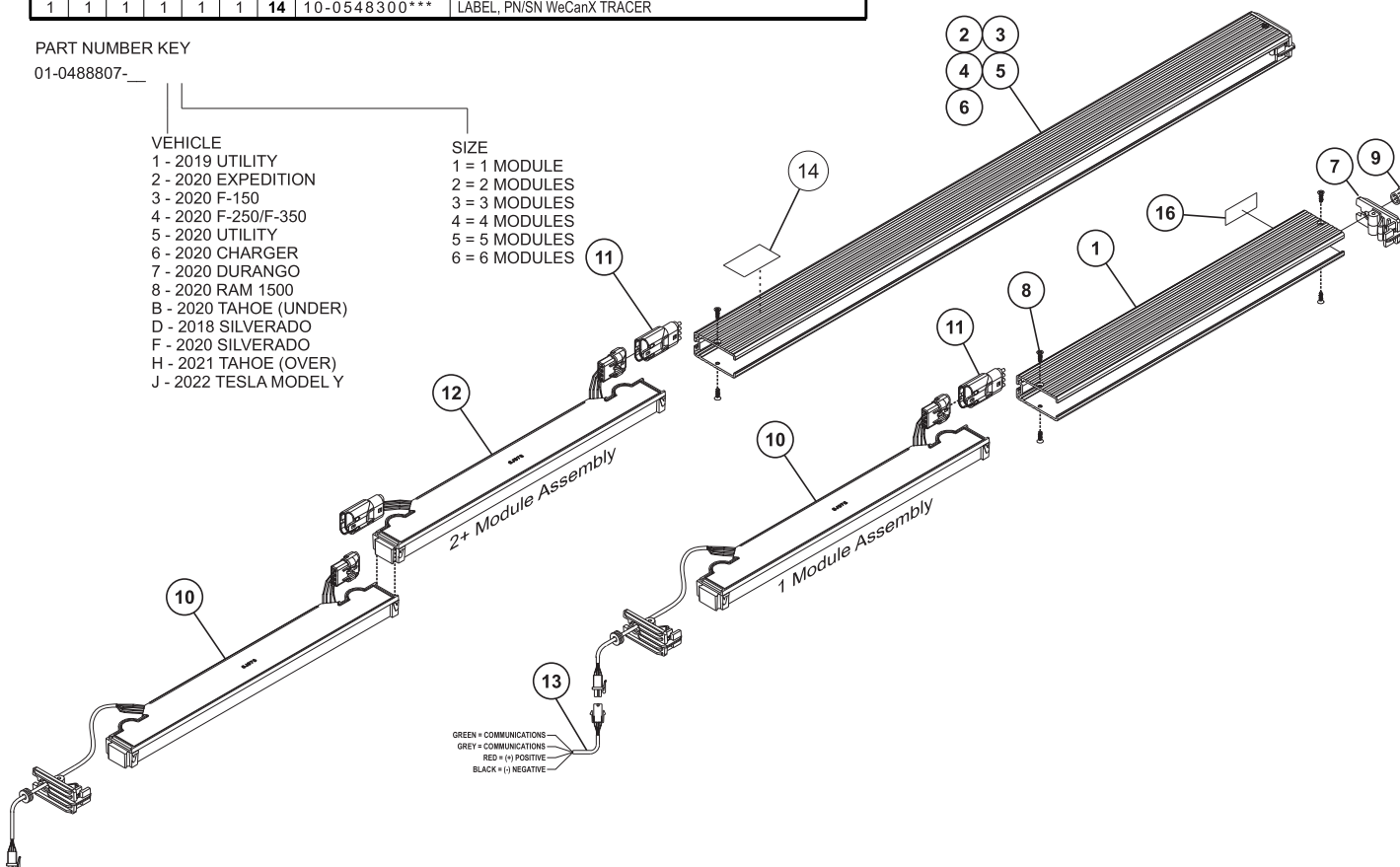
QTY	QTY	QTY	QTY	QTY	QTY	ITEM	PART NUMBER	DESCRIPTION
					*		01-0688807-01	FINAL ASSEMBLY, WeCanX TRACER 1 MODULE
				*			01-0688807-02	FINAL ASSEMBLY, WeCanX TRACER 2 MODULE
			*				01-0688807-03	FINAL ASSEMBLY, WeCanX TRACER 3 MODULE
		*					01-0688807-04	FINAL ASSEMBLY, WeCanX TRACER 4 MODULE
	*						01-0688807-05	FINAL ASSEMBLY, WeCanX TRACER 5 MODULE
*							01-0688807-06	FINAL ASSEMBLY, WeCanX TRACER 6 MODULE
-	-	-	-	-	1	1	11-448297-013	HSG, EXTRUSION 1 MODULE 13.30" MACHINED WECANX TRACER
-	-	-	-	1	-	2	11-448297-025	HSG, EXTRUSION 2 MODULE 25.65" MACHINED WECANX TRACER
-	-	-	1	-	-	3	11-448297-038	HSG, EXTRUSION 3 MODULE 38.02" MACHINED WECANX TRACER
-	-	1	-	-	-	4	11-448297-050	HSG, EXTRUSION 4 MODULE 50.40" MACHINED WECANX TRACER
-	1	-	-	-	-	5	11-448297-062	HSG, EXTRUSION 5 MODULE 62.75" MACHINED WECANX TRACER
1	-	-	-	-	-	6	11-448297-075	HSG, EXTRUSION 6 MODULE 75.12" MACHINED WECANX TRACER
2	2	2	2	2	2	7	11-26K023-000	ENDCAP, SPRING WECANX TRACER
4	4	4	4	4	4	8	15-045216-060	SCREW, 4 X 3/8" TXFH 82 DEG PLASTITE 48-2 SS 18-8 W/NYSEAL
1	1	1	1	1	1	9	21-37001211-0	PLUG, DOME, .375" HOLE DIA DP 375, BLK NYLON, 94V-2
1	1	1	1	1	1	10	01-02887970**	SUB ASSEMBLY, WeCanX TRACER PRIMARY
1	1	1	1	1	1	11	02-0326313-00	ASSY, HARNESS ENDCAP MIZU P25
OPT	OPT	OPT	OPT	OPT	-	12	01-0288806***	SUB ASSEMBLY, WeCanX TRACER SECONDARY
1	1	1	1	1	1	13	46-0748299-00	ASSY, CABLE INPUT WeCanX TRACER
1	1	1	1	1	1	14	10-0548300***	LABEL, PN/SN WeCanX TRACER

**PART NUMBER KEY**

01-0488807-

**VEHICLE**  
 1 - 2019 UTILITY  
 2 - 2020 EXPEDITION  
 3 - 2020 F-150  
 4 - 2020 F-250/F-350  
 5 - 2020 UTILITY  
 6 - 2020 CHARGER  
 7 - 2020 DURANGO  
 8 - 2020 RAM 1500  
 B - 2020 TAHOE (UNDER)  
 D - 2018 SILVERADO  
 F - 2020 SILVERADO  
 H - 2021 TAHOE (OVER)  
 J - 2022 TESLA MODEL Y

**SIZE**  
 1 = 1 MODULE  
 2 = 2 MODULES  
 3 = 3 MODULES  
 4 = 4 MODULES  
 5 = 5 MODULES  
 6 = 6 MODULES



**2019 - FORD UTILITY**

QTY.	ITEM	PART NUMBER	DESCRIPTION
*		01-0488807-15	TRACER SERIES
5	1	07-247359-023	BRKT, MTG CONTOUR EXPLORER BLK TRACER SERIES
2	2	07-247360-023	BRACKET, MTG FLAT EXPLORER BLK TRACER SERIES
6	3	14-104436-120	SCREW, 10-24 X 3/4" HEX HDMS SS
6	4	16-1001220-06	WASHER, #10 FLAT 18-8 SS
6	5	13-104132-062	NUT, 10-24 ELASTIC STOP BRASS NICKEL PLATE
6	6	15-10141D-080	SCREW, #10 X 1/2" PPHSMS CARBON STEEL, MAGNI 565

**2020 - FORD EXPEDITION**

QTY.	ITEM	PART NUMBER	DESCRIPTION
*		01-0488807-25	TRACER SERIES
1	1	07-26G705-023	BRACKET, MTG EXPEDITION BLACK TRACER SERIES
6	2	07-447499-000	SLIDE, FLUSH MOUNT TRACER SERIES
6	3	14-06211E-04P	SCREW, 6-32 X 1/4 PPHMS 82 DEG THD CUT CARBON STEEL MAGNI 565

**2020 - FORD F-150**

QTY.	ITEM	PART NUMBER	DESCRIPTION
*		01-0488807-36	TRACER SERIES
3	1	07-26G268-023	BRACKET, MTG 2015 F-150 BLACK TRACER SERIES
12	2	13-148132-082	NUT, 5/16-18 ELASTIC STOP NICKEL PLATED BRASS
12	3	16-1402420-05	WASHER, 5/16" FLAT SS 3/4" OD
6	4	16-1001220-06	WASHER, #10 FLAT 18-8 SS
6	5	13-104132-062	NUT, 10-24 ELASTIC STOP BRASS NICKEL PLATE
6	6	14-104436-120	SCREW, 10-24 X 3/4" HEX HDMS SS

**2020 - FORD F-250/350**

QTY.	ITEM	PART NUMBER	DESCRIPTION
*		01-0488807-46	TRACER SERIES
3	1	07-247649-023	BRACKET, MTG 2015 F250/350 BLK TRACER SERIES
6	2	16-1001220-06	WASHER, #10 FLAT 18-8 SS
6	3	13-104132-062	NUT, 10-24 ELASTIC STOP BRASS NICKEL PLATE
6	4	14-104436-120	SCREW, 10-24 X 3/4" HEX HDMS SS

**2020 - FORD UTILITY**

QTY.	ITEM	PART NUMBER	DESCRIPTION
*		01-0488807-55	TRACER SERIES 5-6 LIGHT
6	1	16-1001220-06	WASHER, #10 FLAT 18-8 SS
6	2	13-104132-062	NUT, 10-24 ELASTIC STOP BRASS NICKEL PLATE
6	3	14-104436-120	SCREW, 10-24 X 3/4" HEX HDMS SS
1	4	07-26J448-023	BRACKET, TRACER MOUNTING 2020 UTILITY
1	5	07-26J449-023	BKT, END MTG L-REAR R-FRONT
1	6	07-26J449-123	BKT, END MTG R-REAR L-FRONT
3	7	07-248216-000	TRACER PEM NUT MOUNT
3	8	14-14843E-160	BOLT, 5/16-18 X 1 HH CARBON STEEL MAGNI 565
3	9	16-1402820-03	WASHER, 5/16 FLAT .875 OD SS
3	10	16-1431920-08	WASHER, 5/16 SPLIT LOCK

**2020 - DODGE CHARGER**

QTY.	ITEM	PART NUMBER	DESCRIPTION
*		01-0488807-65	TRACER SERIES
6	1	07-247358-023	BRACKET, MTG CHARGER BLACK TRACER SERIES
6	2	14-104436-120	SCREW, 10-24 X 3/4" HEX HDMS SS
6	3	16-1001220-06	WASHER, #10 FLAT 18-8 SS
6	4	13-104132-062	NUT, 10-24 ELASTIC STOP BRASS NICKEL PLATE
6	5	15-10141D-080	SCREW, #10 X 1/2" PPHSMS CARBON STEEL, MAGNI 565

**2020 - DODGE DURANGO**

QTY.	ITEM	PART NUMBER	DESCRIPTION
*		01-0488807-75	TRACER SERIES
6	1	01-0488807-00	GENERIC MOUNTING KIT

**2020 - DODGE RAM 1500**

QTY.	ITEM	PART NUMBER	DESCRIPTION
*		01-0488807-86	TRACER SERIES
7	1	01-0488807-00	GENERIC MOUNTING KIT

**MULTI PURPOSE INSTALL KIT**

QTY.	ITEM	PART NUMBER	DESCRIPTION
*	*	01-0488807-00	GENERIC MOUNTING KIT
1	1	07-247489-023	BRACKET, MTG L-BRACKET BLK TRACER SERIES
1	2	07-247360-023	BRACKET, MTG FLAT BLACK TRACER SERIES
1	3	14-104436-120	SCREW, 10-24 X 3/4" HEX HDMS SS
1	4	16-1001220-06	WASHER, #10 FLAT 18-8 SS
1	5	13-104120-0620	NUT, 10-24 ELASTIC STOP
1	6	15-10141D-080	SCREW, #10 X 1/2" PPHSMS CARBON STEEL, MAGNI 565

**2022 - TESLA MODEL Y**

QTY.	ITEM	PART NUMBER	DESCRIPTION
*		01-0488807-J5	TRACER SERIES
4	1	07-248393-023	BRACKET, TESLA MODEL Y BLACK, TRACER
4	2	14-104436-120	SCREW, 10-24 X 3/4" HEX HDMS SS
4	3	16-1001220-06	WASHER, #10 FLAT 18-8 SS
4	4	13-104132-062	NUT, 10-24 ELASTIC STOP BRASS NICKEL PLATE

**2020 - CHEVROLET TAHOE (UNDER)**

QTY.	ITEM	PART NUMBER	DESCRIPTION
*		01-0488807-B5	TRACER SERIES
1	1	07-247361-023	BRACKET, MTG TAHOE BLACK TRACER SERIES
6	2	07-447499-000	SLIDE, FLUSH MOUNT TRACER SERIES
6	3	14-06211E-04P	SCREW, 6-32 X 1/4 PPHMS 82 DEG THD CUT CARBON STEEL MAGNI 565

**2018 - CHEVROLET SILVERADO 1500**

QTY.	ITEM	PART NUMBER	DESCRIPTION
*		01-0488807-D6	TRACER SERIES
1	1	07-26G465-023	BRACKET, MTG SILVERADO TRACER SERIES BLK
7	2	07-447499-000	SLIDE, FLUSH MOUNT TRACER SERIES
7	3	14-06211E-04P	SCREW, 6-32 X 1/4 PPHMS 82 DEG THD CUT CARBON STEEL MAGNI 565

**2020 - CHEVROLET SILVERADO**

QTY.	ITEM	PART NUMBER	DESCRIPTION
*		01-0488807-F6	TRACER SERIES
2	1	07-26J471-023	BRACKET, DRV R TRACER MT BLK 2019 SILVERADO
2	2	07-26J471-123	BRACKET, PASS TRACER MT BLK 2019 SILVERADO
4	3	07-447499-000	SLIDE, FLUSH MOUNT TRACER SERIES
4	4	14-06211E-04P	SCREW, 6-32 X 1/4 PPHMS 82 DEG THD CUT CARBON STEEL MAGNI 565

**2021 - CHEVROLET TAHOE (OVER)**

QTY.	ITEM	PART NUMBER	DESCRIPTION
*		01-0488807-H6	TRACER SERIES 5-6 LIGHT
4	1	07-248355-023	BRKT, MTG 2021 TAHOE BLK TRACER SERIES
4	2	14-104436-120	SCREW, 10-24 X 3/4" HEX HDMS SS
4	3	16-1001220-06	WASHER, #10 FLAT .438 OD X .026 THK 18-8 SS
4	4	13-104132-062	NUT, 10-24 ELASTIC STOP BRASS NICKEL PLATE
5	5	20-0048356-00	SPACER, RUNNING BD TRACER BLK 2021 TAHOE
8	6	16-1402820-03	WASHER, 5/16 FLAT .875 OD SS
3	7	13-148132-082	NUT, 5/16-18 ELASTIC STOP BRASS NICKEL PLATE
3	8	07-248357-023	BRACKET, HANGER RUNNING BD BLK 2021 TAHOE TRACER
5	9	14-M31E3D-500	SCREW, M8 X 1.25 X 50mm HEX FLANGE MAGNI 565