



**BOLT-ON
INSTALLATION**

PRODUCT OF **SWITCH-N-GO**

S-0038v02
FOR PN: 6119000, 6118000

SAE J684 & J847
Certified Rating

WARNING

Maintain adequate vertical (tongue) load to properly control the trailer (generally 10%), but do not exceed the above rated capacities.

WARNING

Do not damage the latch. Be particularly careful with the drawbar when coupling and uncoupling.

WARNING

Other steps and inspections are also required. Consult D.O.T. regulations and American Trucking Association for complete coupling and uncoupling procedures.

WARNING

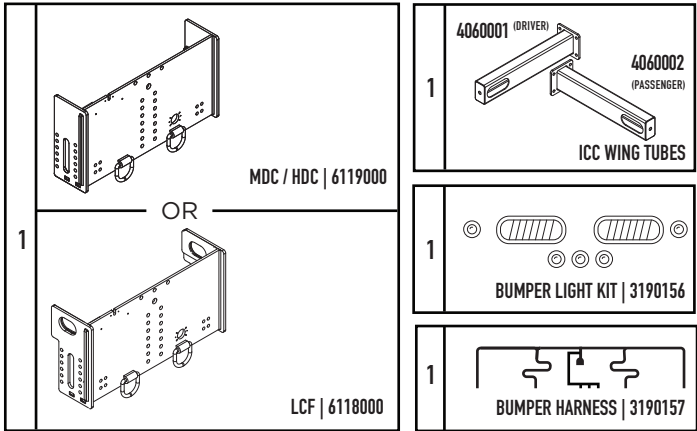
Do not modify, weld, or add to the vehicle chassis or product.

PARTS/TOOLS

PARTS

Qty	Part Number	Description
8	3160411	5/8"-11 UNC x 1.75" grade 8 bolts
12	3160412	5/8"-11 UNC x 2.25" grade 8 bolts
20	3160410	5/8"-11 UNC grade 8 nuts
2	3160417	1/4"-20 x 1" Hex Washer Screw
6	3160418	8 x 1" Hex Washer Screw
2	3260451	Bottom Frame Spacer Bracket*
2	3260452	MDC Bottom Frame Tie Down Bracket*
4	3260473	LCF Bottom Frame Tie Down Bracket*
4	3260475	LCF Bumper Chassis Spacers*

*INCLUDED PARTS ARE DEPENDANT ON THE BUMPER MODEL & VEHICLE MANUFACTURER



TOOLS

- MAGNETIC DRILL SET
- STANDARD DRILL SET
- STANDARD SOCKET SET
- SCREWDRIVERS



Medium Duty
Chassis Cab Installation

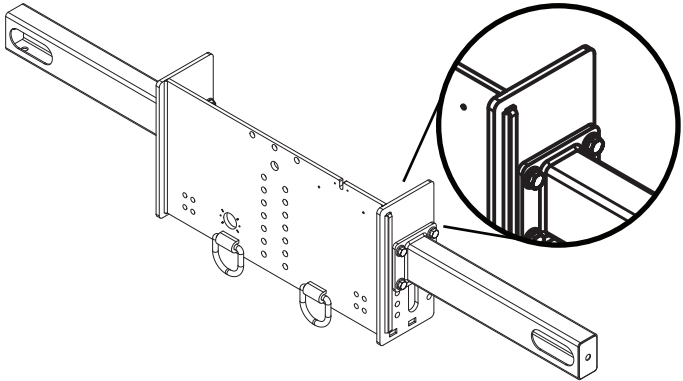


Heavy Duty
Chassis Cab Installation

FOR USE WITH 6119000 ONLY

NOTICE

Identify the Medium Duty/Heavy Duty Versa™ Bumper with tapped backplate before Installing by recognizing there are NO mounting holes in the upper sides of the weldment.



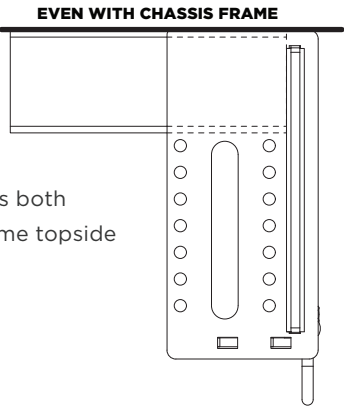
NOTICE

Ensure the rear chassis ends of the vehicle are square and even with the chassis frame and is clear of obstructions, taillights, brackets or additional components/equipment.

A1

1.01 Place the bumper against the vehicle chassis and clamp the bumper up against the chassis.

Ensure that the bumper is both even with the chassis frame topside and end of frame.



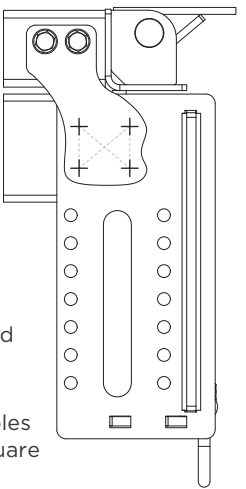
A3

3.01 Using a magnetic drill press, drill (4) holes with a 21/32"Ø drill bit using chassis pre-existing holes, if possible.

3.02 Bolt through the bumper and chassis with 5/8" x 2.25" bolts and nuts and torque to 160lbs-ft.

Ensure to use spacers as needed depending on vehicle manufacturer.

Ensure to space out the bolt holes in a as large as possible in a square pattern as shown here.



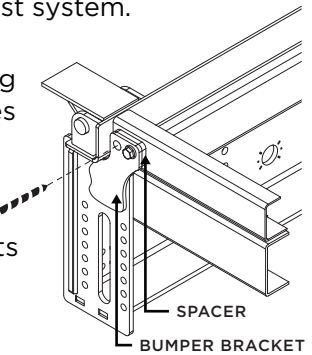
A2

***OPTIONAL FOR HOIST SYSTEM**

2.01 Align the bumper bracket with spacer against bumper & hoist system.

2.02 Drill (2) holes with a 21/32"Ø drill bit using the pre-existing holes in bumper bracket.

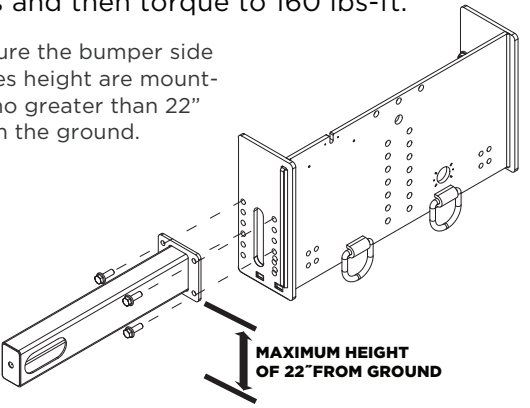
2.03 Bolt the bracket to the hoist system with 5/8" x 2.25" bolts and nuts and then torque to 160lbs-ft.



A4

4.01 Align the side tubes to the desired height and attach with (4) 5/8"x 1.75" bolts & nuts and then torque to 160 lbs-ft.

Ensure the bumper side tubes height are mounted no greater than 22" from the ground.

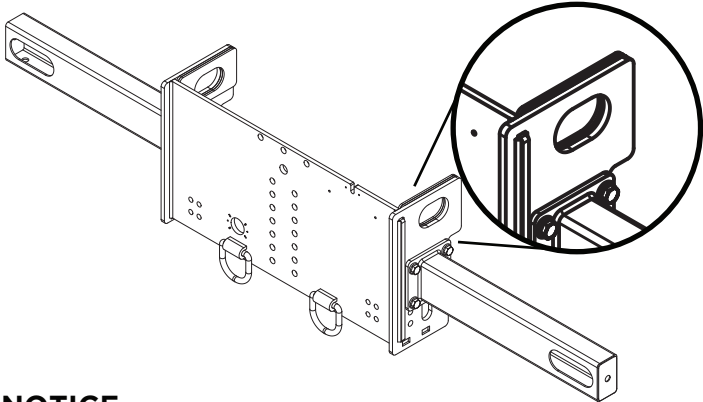


Low Cab Forward/Cab Over
Chassis Cab Installation

FOR USE WITH 6118000 ONLY

NOTICE

Identify the Low Cab Forward Versa™ Bumper with tapped backplate before Installing by recognizing there are oval holes & NO mounting holes in the upper sides of the weldment.



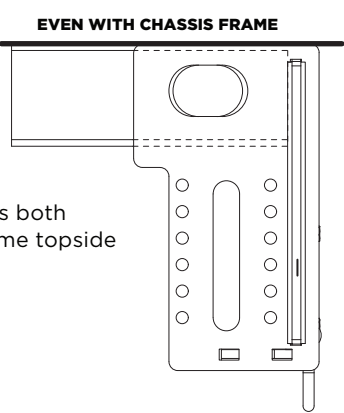
NOTICE

Ensure the rear chassis ends of the vehicle are square and even with the chassis frame and is clear of obstructions, taillights, brackets or additional components/equipment.

B1

1.01 Place the bumper against the vehicle chassis and clamp the bumper up against the chassis.

Ensure that the bumper is both even with the chassis frame topside and end of frame.



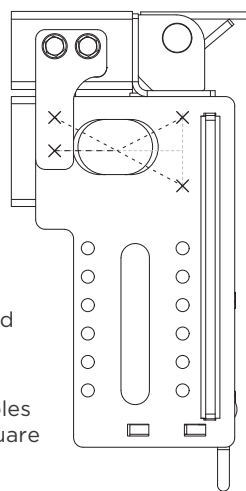
B3

3.01 Using a magnetic drill press, drill (4) holes with a 21/32"Ø drill bit using chassis pre-existing holes, if possible.

3.02 Bolt through the bumper and chassis with 5/8" x 2.25" bolts and nuts and torque to 160lbs-ft.

Ensure to use spacers as needed depending on vehicle manufacturer.

Ensure to space out the bolt holes in a as large as possible in a square pattern as shown here.



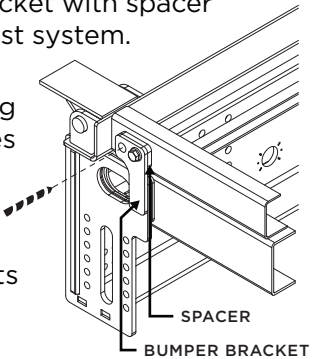
B2

***OPTIONAL FOR HOIST SYSTEM**

2.01 Align the bumper bracket with spacer against bumper & hoist system.

2.02 Drill (2) holes with a 21/32"Ø drill bit using the pre-existing holes in bumper bracket.

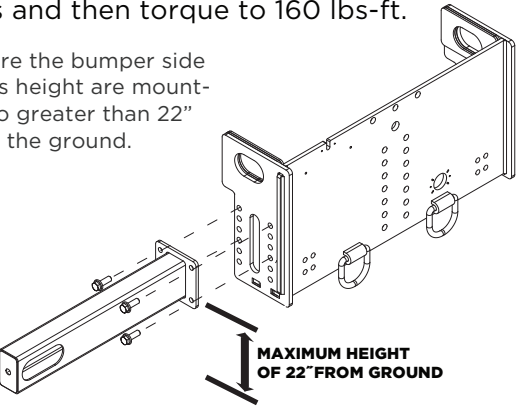
2.03 Bolt the bracket to the hoist system with 5/8" x 2.25" bolts and nuts and then torque to 160lbs-ft.



B4





4.01 Align the side tubes to the desired height and attach with (4) 5/8"x 1.75" bolts & nuts and then torque to 160 lbs-ft.

Ensure the bumper side tubes height are mounted no greater than 22" from the ground.






HITCH ACCESSORIES

BUMPER TAILLIGHT HARNESS

Manufacturer	Vehicle Model	Vehicle Year	Part Number ¹
	F350 ²	2011-Current	3190165
	F450, F550	2017-Current	3190158
	F-650, F750	2018-Current	3190167
	3500HD ² , 4500HD, 5500HD, 6500HD	2019-Current	3190164
		Previous to 2019	3190165
	3500, 4500, 5500	2017-Current	3190160
	CV	2019-Current	3190164
VEHICLE MANUFACTURERS/MODELS NOT-LISTED			3190165

REAR VIEW CAMERA HARNESS

Manufacturer	Vehicle Model	Vehicle Year	Part Number ¹
	F350 ²	2011-Current	3190165
	F450, F550	2017-Current	3190158
	F-650, F750	2018-Current	3190167
	3500HD ² , 4500HD, 5500HD, 6500HD	2019-Current	3190164
		Previous to 2019	3190165
	3500, 4500, 5500	2017-Current	3190160

¹All Bumper Taillight/Rear View Camera Harness are NOT included with the bumper installation kit and are sold seperately

Installation of Bumper Taillight Harness

1. Feed the marker lights wire through each of the side tubes and out the holes at the end.
2. Plug the end of indicator wire to marker indicator, and press back into the side tube hole.
3. Feed each of the STTR rear light wires through each of the side tubes and out the oval holes.
4. Plug the end of STTR rear light wires to the Oval STTR light and press back into holes.
5. Feed the (3) center indicator lights, to each of the holes at the top.
6. Feed the License Plate Light and attach with self tapping screws.



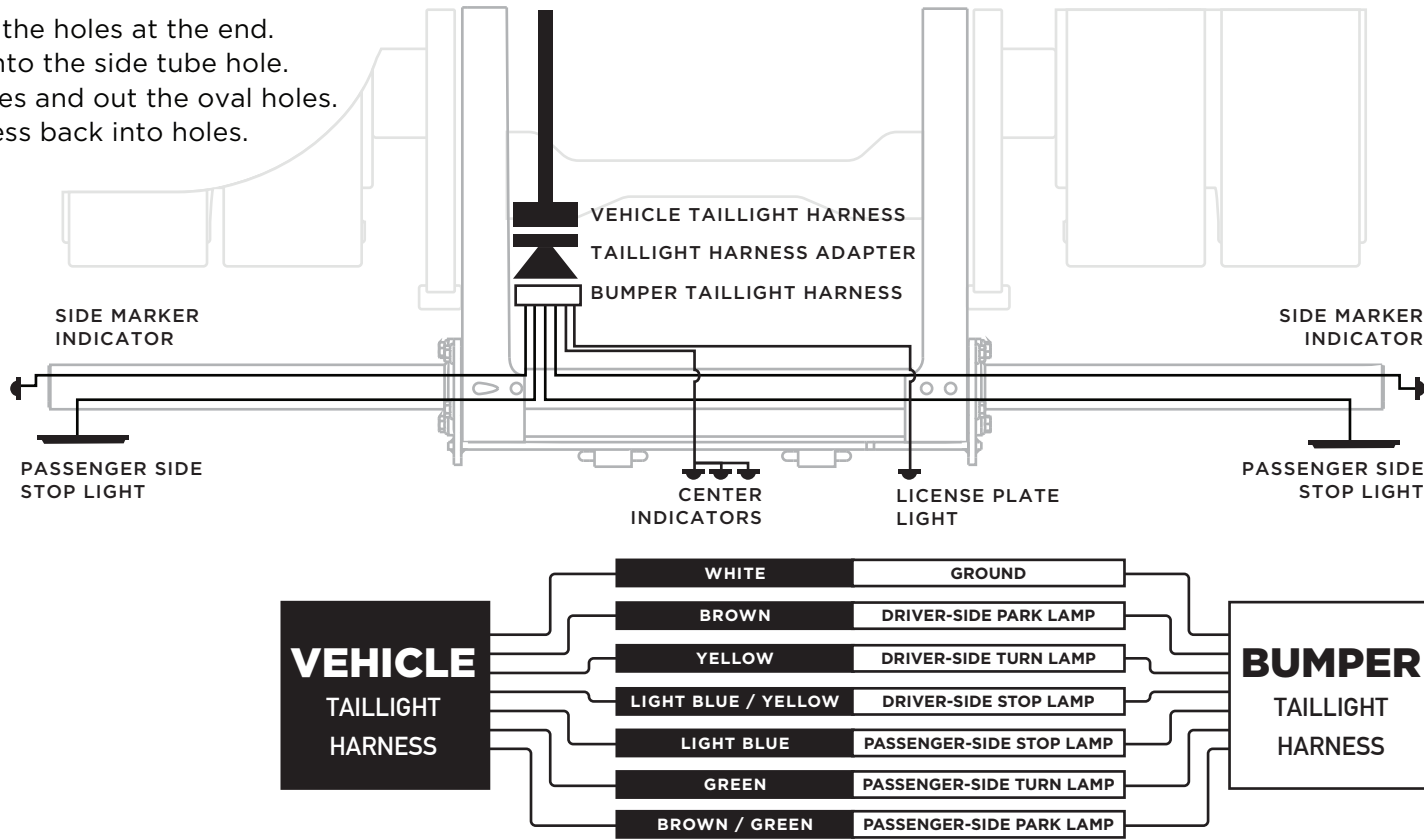
NOTE

²Upfitted vehicle must fit requirement of Chassis Cab and upfitted with Dual Rear Wheel (DRW). Contact your local vehicle manufacturer dealer / distributor for any brand or vehicle harness/adapter not listed. If no bumper harness/adapter is available for your vehicle we recommend upfitting with the universal vehicle taillight harness adapter (3190165).Utilizing the wire diagram shown below in addition to review vehicle manufacturer upfit documentation.



NOTE

If no taillight harness adapter is available for your selected vehicle, utilize the universal vehicle taillight harness adapter. Utilize the taillight wire diagram shown below in addition to review vehicle manufacturer upfit documentation before wiring the vehicle to the bumper. Ensuring when complete to secure the harness away from pinch points or moving components.



HITCH ACCESSORIES

Pintle

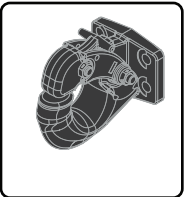
20 TON Pintle Hook

Hitch Capacities

40,000lbs Max Trailer Weight

Drawbar Eye Dimensions

2" to 3" I.D. with 1-1/4" to 1-5/8" diameter section



WARNING

It is the user's responsibilities to be sure that the pintle hook mounting surface is capable of 40,000lbs gross trailer weight.

Mounting

1. Use a mounting structure of sufficient strength to support the rated capacity of the pintle hook in accordance with SAE J849b.
2. Use four 9/16" grade 8 bolts and torque to 120ft-lbs.

Operating Instructions (PINTLE HOOK)

1. Before operating, inspect for proper operation, worn, damaged or missing parts and secure mounting. Correct as required before use.
2. Open latch by removing safety pin and lifting lock.
3. Position drawbar eye over the horn of the pintle and lower into place.
4. Push latch closed and insert safety pin, secure pin with spring retainer.

Combo Ball/Pintle

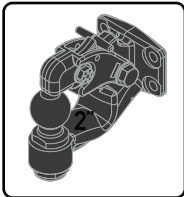
10 TON Combination Hitch

Hitch Capacities

20,000lbs Max Trailer Weight

Drawbar Eye/Ball Hitch Dimensions

2 3/8" —3" I.D. with 1 1/4"—1 9/16" diameter section
2", 2 5/16" SAE J684 Ball Hitch Coupler



WARNING

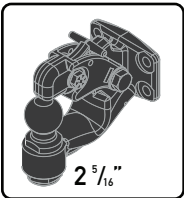
It is the user's responsibilities to be sure that the combo ball/pintle hook mounting surface is capable of 20,000lbs gross trailer weight.

Mounting

1. Use a mounting structure of sufficient strength to support the rated capacity of the pintle hook in accordance with SAE J849b.
2. Use four 9/16" grade 8 bolts and torque to 120ft-lbs.

Operating Instructions (BALL HITCH)

1. Before operating, inspect for proper operation, worn, damage, or missing parts and secure mounting. Correct as required before use.
 2. Open latch before removing safety pin, pull upon lock while lifting latch.
 3. Replace safety pin in hole to retain latch in open position.
- Position ball coupler over the proper size ball and lock into place, following the instructions of the coupler manufacturer.



Receiver Tube

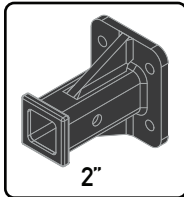
10 TON Receiver Tube

Hitch Capacities

20,000lbs Max Trailer Weight

Receiver Tube Dimensions

2"—2 1/2" I.D. diameter section



WARNING

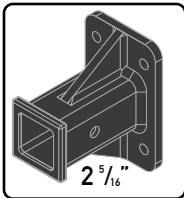
It is the user's responsibilities to be sure that the reciever tube mounting surface is capable of 20,000lbs gross trailer weight.

Mounting

1. Use a mounting structure of sufficient strength to support the rated capacity of the hitch receiver in accordance with SAE J849b.
3. Use four 9/16" grade 8 bolts and torque to 120ft-lbs.

Operating Instructions (HITCH RECEIVER)

1. Before operating, inspect for proper operation, worn, damage, or missing parts and secure mounting. Correct as required before use.
2. Insert the shank into the receiver tube.
3. Line up the holes of the shank and receiver tube.
4. Secure the mount using a pin/clip or a hitch lock.



Towing Applications

Trailers and equipmenti designed for over-the-road towing within the stated capacities. For off-road applications, reduce the capacities listed above by 25% and use in conjunction with a swivel-type drawbar. This pintle hook/ball hitch is well suited for use in the utility and construction industries.


Maintenance

For proper performance, perform the following every 3,000 miles or 3 months, whichever comes first.

1. Clean and inspect for proper operation.
2. Inspect, in particular, the coupling area. Replace when wear exceeds 1/8" (.125") from the original surface profile.
3. Inspect for worn, damaged or missed parts. Replace as required.
4. Regularly lubricate latch and lock pivots with a light oil lubricant.
5. Check the mounting bolts for proper torque.

Warranty Information

Switch-N-Go®, a division of Deist Industries Inc™ warrants that the Goods shall be free from defects in materials or workmanship under normal use and service for a period of one (1) year from the date of purchase by the Buyer or eighteen (18) months from the date of delivery of the Goods to the Switch-N-Go distributor, whichever elapses first. For full list of warranty coverage/exclusion and or limitations reference Deist terms and conditions (OS-105).

 Division of Deist Industries Inc™
Phone 724 253-5053 • warranty@switchngo.com
Toll-Free 888-311-0867 • switchngo.com/warranty

Instructions on Reverse