



INSTALLATION INSTRUCTIONS

JL ELITE REAR BUMPER

Part Number: 102410

Application: Jeep JL 2018

GENERAL SAFETY PRECAUTIONS

Your safety, and the safety of others, is very important. To help you make informed decisions about safety, we have provided installation and operating instructions and other information on labels and in this guide. This information alerts you to potential hazards that could hurt you or others. It is not possible to warn you about all potential hazards associated with this product, you must use your own good judgment.

CARELESS INSTALLATION AND OPERATION CAN RESULT IN SERIOUS INJURY OR EQUIPMENT DAMAGE. READ AND UNDERSTAND ALL SAFETY PRECAUTIONS AND OPERATING INSTRUCTIONS BEFORE INSTALLING AND OPERATING THIS PRODUCT.

This guide identifies potential hazards and has important safety messages that help you and others avoid personal injury or death. WARNING and CAUTION are signal words that identify the level of hazard. These signal words mean:

▲WARNING signals a hazard that could cause serious injury or death, if you do not follow recommendations. ▲CAUTION signals a hazard that may cause minor to moderate injury, if you do not follow recommendations.

This guide uses NOTICE to call attention to important mechanical information, and Note: to emphasize general information worthy of special attention.

▲ WARNING

IMPACT AND MOVING PARTS ENTANGLEMENT HAZARD

Failure to observe these instructions could lead to severe injury or death

- **Always** take time to fully read the Instructions and/or Operations Guide, and/or Basic Guide to Winching Techniques, in order to understand your winch and its operations.
- **Always** use extreme caution when drilling on any vehicle. Make sure that all fuel lines, brake lines, electrical wires, and other objects are not punctured or damaged when/if drilling on the vehicle. Thoroughly inspect the area to be drilled (on both sides of material) prior to drilling, and relocate any objects that may be damaged. Failure to inspect the area to be drilled may result in vehicle damage, electrical shock, fire or personal injury.
- **Always** wear safety glasses when installing this kit. A drilling operation will cause flying metal chips. Flying chips can cause eye injury.
- **Always** use extreme caution when cutting and trimming during fitting.
- **Always** remove jewelry and wear eye protection.
- **Never** lean over battery while making connections.
- **Never** route electrical cables:
 - Across any sharp edges.
 - Through or near moving parts.
 - Near parts that become hot.
- **Always** insulate and protect all exposed wiring and electrical terminals.
- **Always** install terminal boots as directed in installation instructions.
- **Always** use appropriate and adequate care in lifting components into place.
- **Always** insure components will remain secure during installation and operation.
- **Always** tighten all nuts and bolts securely, per the installation instructions.
- **Always** perform regular inspections and maintenance on the plow mechanism, fasteners, cable and related hardware.
- **Always** replace all worn or damaged parts before operating.
- **Never** operate this WARN product with damaged or missing parts.

Read installation and operating instructions thoroughly.

WARN INDUSTRIES, INC. 12900 S.E. Capps Road,
Clackamas, OR USA 97015-8903, 1-503-722-1200, FAX: 1-503-722-3000
Customer Service: 1-800-543-9276
Dealer Locator Service: 1-800-910-1122
International Fax: 1-503-722-3005

⚠ CAUTION

MOVING PARTS ENTANGLEMENT HAZARD

Failure to observe these instructions could lead to minor or moderate injury

- **Always** take time to fully read and understand the installation and Operations Guide included with this product.
- **Never** operate this product if you are under 16 years of age.
- **Never** operate this product when under the influence of drugs, alcohol or medications.

Read installation and operating instructions thoroughly.

NOTICE

EQUIPMENT DAMAGE

- **Never** tow vehicle by attaching a tow bar to the eyelets on the bumper.
- **Never** attach tow bars directly to the bumper. Damage to bumper may occur. WARN bumpers are not designed to be used for flat towing. Consult with the manufacturer of your tow bar system for the proper vehicle tow bar brackets.

Read installation and operating instructions thoroughly.

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TOOLS REQUIRED

- Standard and Metric wrenches
- Standard and Metric sockets
- Ratchet
- Extension
- Offset Flexhead Ratchet

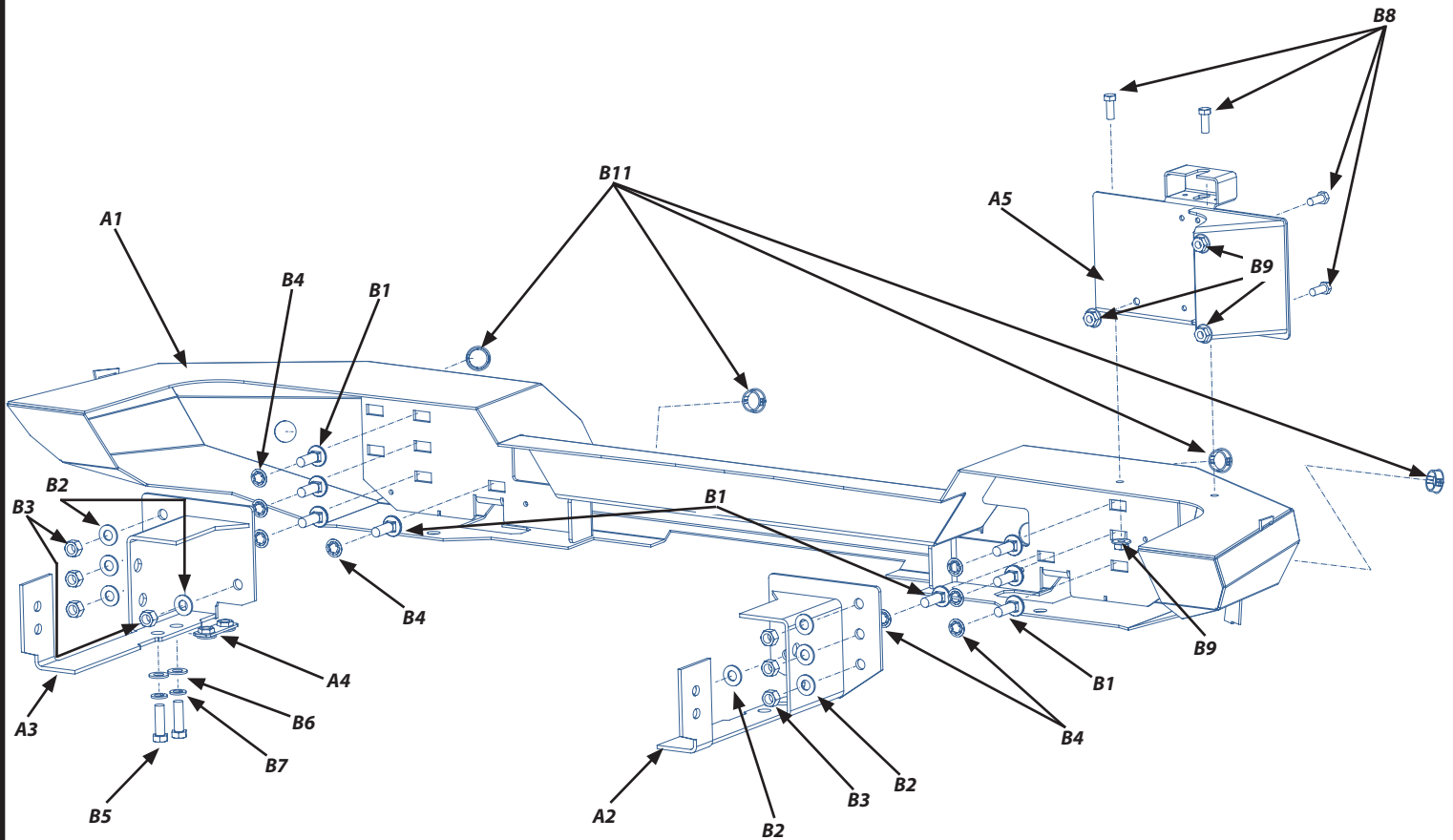
TORQUE SPECIFICATIONS

Please use the recommended torque specifications when assembling this product unless otherwise specified in the instructions.

FASTENER SIZE		FASTENER TORQUE		FASTENER SIZE		FASTENER TORQUE	
	lb-ft	(N.m)		lb-ft	(N.m)		
1/4"	8	(11)	M4	(2)	3		
5/16"	17	(23)	M5	(4.5)	6		
3/8"	30	(40)	M6	(7.5)	10		
7/16"	48	(66)	M8	(18)	25		
1/2"	74	(100)	M10	(37)	50		
9/16"	106	(144)					
5/8"	148	(200)					
3/4"	269	(364)					

PARTS LIST

ID No.	Item No.	Description	Qty.	ID No.	Item No.	Description	Qty.
A1	102409	BUMPER	1	B1	101412	1/2" - 13 X 2 CARRIAGE HEAD BOLT	8
A2	102179	LH FRAME BRACKET	1	B2	29060	1/2" - 13 LOCKING NUT	8
A3	102412	RH FRAME BRACKET	1	B3	9213	1/2" WASHER	8
A4	102443	NUT PLATE	1	B4	101259	1/2" PUSHNUT BOLT RETAINER	8
A5	102188	LICENSE PLATE BRACKET	1	B5	25552	M12 - 1.75 X 40 CAPSCREW	2
				B6	93106	M12 FLAT WASHER	2
				B7	83038	12 MM WASHER	2
				B8	18116	3/8 - 16 X 1 CAPSCREW	5
				B9	80182	3/8 - 16 FLANGE NUT	5
				B10	64715	CABLE TIE	2
				B11	102248	PLASTIC PLUG	4



INSTALLATION INSTRUCTIONS

1. Remove stock bumper. *Keep hardware and license plate light/hardware for later use.*
2. Install nut plate (A4) into right side frame tube, being sure to align holes with frame mounting holes.

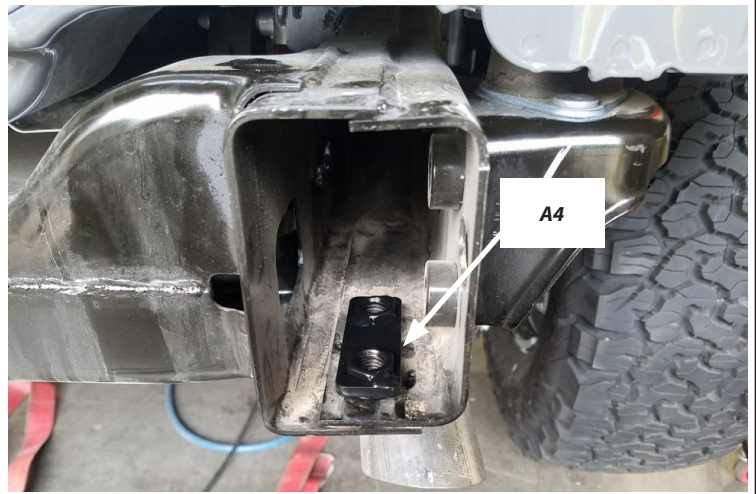


Figure 1

3. Install mounting brackets (A2 and A3) using factory hardware removed in step one.
4. **LEFT mounting bracket side:** Install factory bolt up through the mounting bracket and frame's mounting hole that sits the furthest inside.
5. **RIGHT mounting bracket side:** Install one bolt (B5), lock washer (B6) and washer (B7) up through the mounting bracket and frame's mounting hole that sits the furthest inside. Refer to exploded view on page 3.

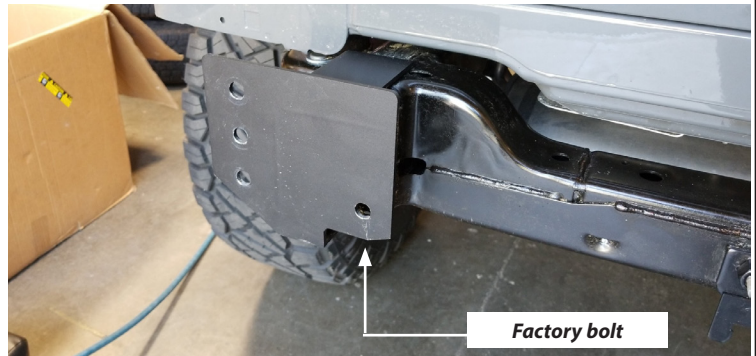


Figure 2

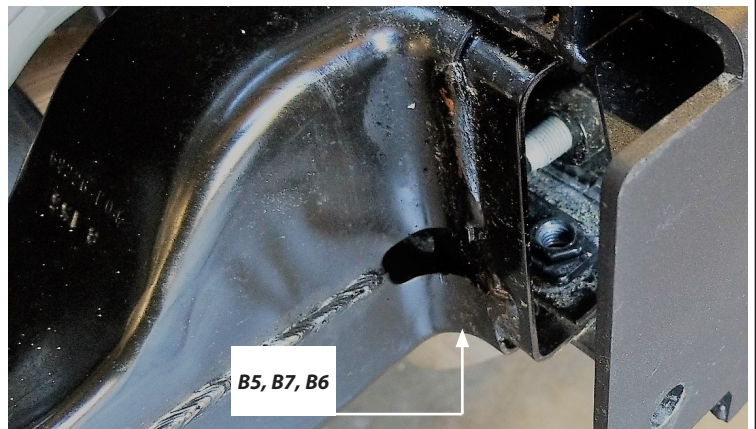


Figure 3

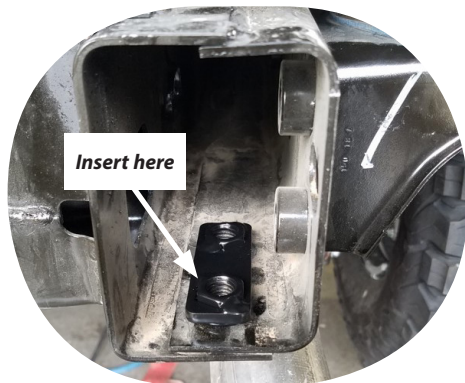
6. Insert 1/2" carriage bolts (B1) and retaining nuts (B4) through front of bumper. **NOTE: There will be four on the right side and four on the left side.**



Figure 4

7. With assistance, carefully lift the bumper (A1) onto the frame rails. Using the installed carriage bolts as a guide, center bumper and fasten to frame using ten 1/2" washers (B3) and nuts (B2). Refer to exploded view on page 3.
- Torque to recommended values on page 2.

8. **RIGHT mounting bracket side:** Install second bolt and washer combination (B5, B7, B6) up through the mounting bracket and frame's mounting hole that sits the closest to the outside (nearest to bumper). Refer to exploded view on page 3.



9. **LEFT mounting bracket side:** Install factory bolt up through the mounting bracket and frame's mounting hole that sits the closest to the outside (nearest to bumper).
10. Install sensor carriages* into new Warn bumper in the same orientation as it was removed from stock bumper. **NOTE:** For factory plastic bumper models, you will need to order steel bumper sensor carriages directly from Jeep® in order for sensors to fit in new bumper.

NOTE: If vehicle is not equipped with sensors, use provided sensor hole plug (B11) to install in new Warn bumper.

11. Install license plate light to license plate bracket (A5) using factory hardware. **TIP:** Use included zip ties to keep wiring in place.
12. Install license plate bracket (A5) with hardware (B12 and B13). **NOTE:** You may need to drill license plate holes larger to match up with bracket holes.
13. Plug in license plate light.
14. Tighten all hardware per torque specifications.

Your installation is now complete

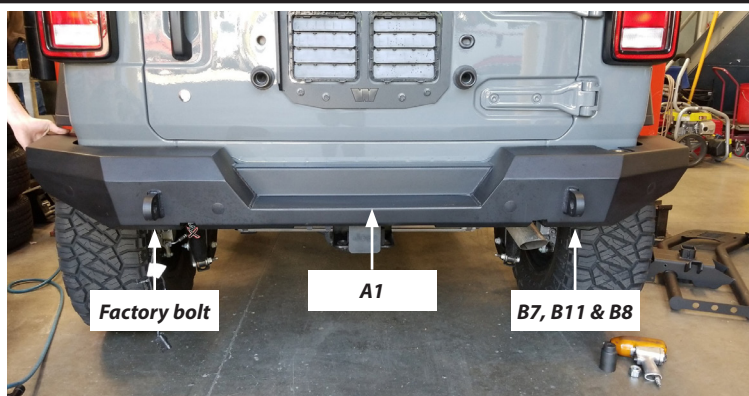


Figure 5

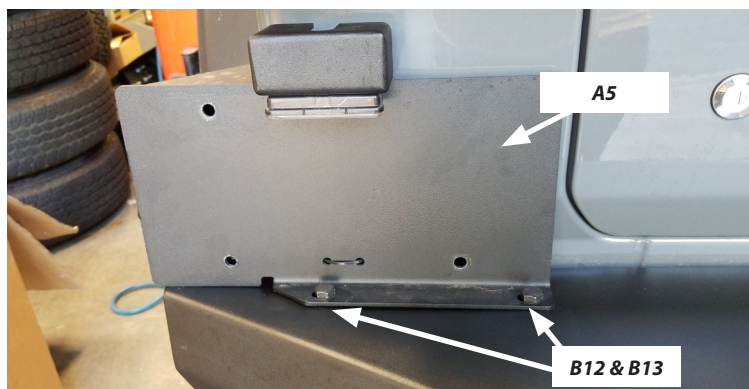


Figure 6