



## Install: Warn Winch With Mounting Plate

Part Number: S-0000AUA00621N

### WORK INSTRUCTION OVERVIEW

#### ⚠ WARNING

- DO NOT ATTEMPT THIS PROCEDURE IF YOU DO NOT HAVE PROPER TOOLS, TRAINING, AND FACILITIES.
- Never consider using a two-post lift that is not certified according to ANSI/ALI ALCTV-2011 or ANSI/UL 201. (autolift.org)
- Read and follow all instructions provided when installing this product. Failure to do so may result in placing occupants at risk of serious injury or death.
- To protect bystanders and the service technician(s), shut vehicle off, remove the Ignition Key and secure vehicle to prevent unintended movement.
- Never operate the vehicle in excess of manufacturer's specifications.

#### ⚠ WARNING

The battery terminal position of the ROXOR battery is critical to proper safety and operation. Deviation from this configuration could result in severe injury or death of occupants and/or the general public if not avoided.

Mahindra Vehicle Sales and Service, Inc. recommends the Exide Edge AGM Automotive Battery.

- P/N: S-1401AAA01401N

### TOOLS REQUIRED

- |                    |                           |
|--------------------|---------------------------|
| ○ 10 mm Box Wrench | ○ 18 mm Open End Wrench   |
| ○ 12 mm Socket     | ○ #27 Torx Bit            |
| ○ 14 mm Socket     | ○ Protective Eye-wear     |
| ○ 15 mm Socket     | ○ Ratchet / Socket Driver |
| ○ 16 mm Socket     | ○ Torque Wrench (N•m)     |




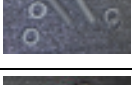

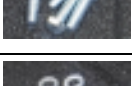










### TORQUE SPECIFICATION

Tighten each fastener to the torque specification below:

- **Battery Clamp Bolts** – 5 N•m ( $\pm 0.5$  N•m)
- **Front Bumper Bolts** – 45 N•m ( $\pm 5$  N•m)
- **Front Winch Plate thru Frame Bolts** – 100 N•m ( $\pm 10$  N•m)
- **Hawse Fairlead Fasteners** – 40 N•m ( $\pm 4.0$  N•m)
- **Power / Ground Cable Nuts** – 5 N•m ( $\pm 0.5$  N•m)
- **Winch Control Bracket Fasteners** – 5 N•m ( $\pm 0.5$  N•m)
- **Winch Electrical Studs** – 15 N•m ( $\pm 1.0$  N•m)
- **Winch Plate to Winch Bolts** – 44 N•m ( $\pm 5$  N•m)
- **Winch Tie Rod Screws** – 27 N•m ( $\pm 2.7$  N•m)

### KIT COMPONENT TABLE




Kit Number - S-0000AUA00621N

Kit Component	Description	Qty
	AGM Battery ( <b>required / not included</b> ) P/N: S-1401AAA01401N	0
	Warn Winch Kit P/N: S-0003AUA00141N	1
	Hawse Fairlead Included with Warn Winch Kit	1
	Hawse Fairlead Fasteners Included with Warn Winch Kit	2 ea.
	Eye Hook Included with Warn Winch Kit	1
	Plate to Winch, Bolts Included with Warn Winch Kit	4
	Plate to Winch, Flat and Lock Washers Included with Warn Winch Kit	4 ea.
	Plate to Winch, Nuts Included with Warn Winch Kit	4
	Control Pack Bracket and Fasteners Include with Warn Winch Kit	1
	Control Pack Bracket Fasteners Include with Warn Winch Kit	2 ea.
	Control Pack Included with Warn Winch Kit	1
	Electrical Terminal Boots Included with Warn Winch Kit	3
	Winch Mounting Plate P/N: S-0102AUA00021N	1
	Heavy Duty Front Bumper P/N: S-2302AUA00021N	1
	Bumper Bolts, M10 x 30 Hex Flange P/N: S-0000AUA00431N	8
	Power and Ground Cable Tie P/N: S-0000AUA00471N	1 ea.



# Install: Warn Winch With Mounting Plate

## Part Number: S-0000AUA00621N

Kit Component	Description	Qty
	Fir Tree Cable Tie P/N: S-0000AUA00451N	
	Power and Ground Winch Plate Grommet P/N: S-2302DUA00131N	1
	Power and Ground Cable, Nuts P/N: S-0000AUA01631N	2
	Winch Plate to Frame Fasteners M12 x 30 Hex Flange Bolt P/N: S-0000AUA00481N M12 Nyloc Hex Flange Nut P/N: S-0000AUA00251N	4 ea.

### INSTALLATION PROCEDURE

1. Remove (4) stock Front Bumper bolts with a 15 mm socket to remove Bumper.



2. Remove (4) Front Bumper Cover screws with a #27 Torx bit.



3. Remove (4) rubber bushings and discard.



4. Install Winch Control Bracket to the Winch Control with (2) Washers and (2) Lock Nuts and torque to specifications.



5. Install (3) Electrical Terminal Boots over the Power and Ground leads as shown.



6. Remove (3) nuts from Winch electrical studs, install color coded wires oriented in the direction shown and torque to specifications.

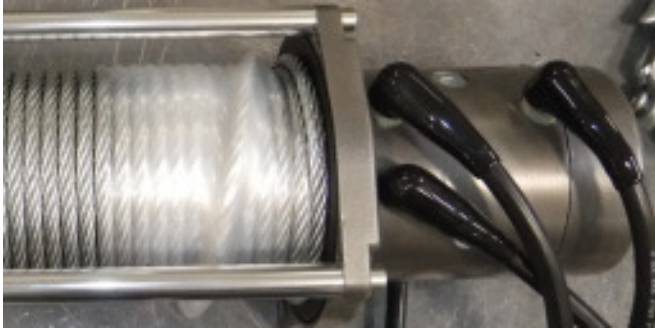




## Install: Warn Winch With Mounting Plate

Part Number: S-0000AUA00621N

7. Slide Electrical Terminal Boots over electrical studs as shown.



8. Remove (1) screw from Winch Tie Rod to install the Winch Control Bracket to the Winch. Reinstall but do not tighten the screw at this point.

**NOTICE** Removing both screws at the same time may cause unintended disassembly of the Winch.



9. Holding the Winch Control up, remove (1) screw from opposite side tie rod, then align bracket, reinstall screw and torque both screws to specifications.



10. Remove the primary Ground wire bolt, install the small black wire marked Motor Ground to bolt, reinstall bolt and torque to specifications.



11. Place the Winch upside down on a stable surface and install (4) square nuts with crown down as shown.



12. Place new Winch Plate on top of Winch in direction shown and align (4) holes.





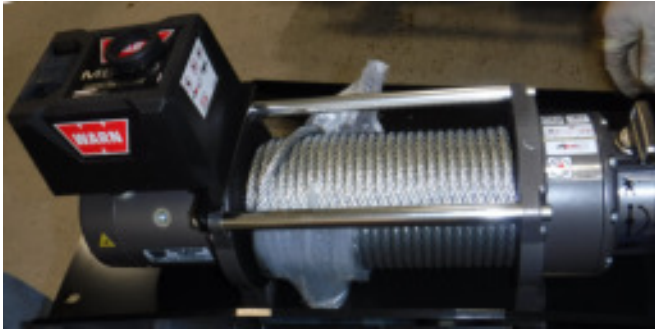
## Install: Warn Winch With Mounting Plate

Part Number: S-0000AUA00621N

13. Install (4) bolts with (4) flat and (4) lock washers with a 14 mm socket and torque to specifications.



14. Flip Winch with Plate over and cut shrink wrap around cable spool.



15. Turn Winch Control Knob to free spool and pull winch cable end thru winch plate about 12 inches. Then turn knob to lock position.



16. Route winch cable thru Hawse Fairlead and install to Winch Plate with (2) bolts, (2) lock washers (2) nuts and torque to specification.



17. Install Eye Hook to Winch Cable and spread cotter pin as shown to preserve pin integrity.



18. Install Winch Plate Grommet and route Power and Ground leads thru hole as show.





## Install: Warn Winch With Mounting Plate

Part Number: S-0000AUA00621N

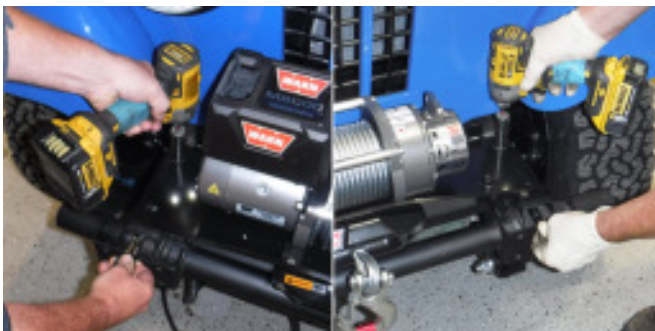
19. Route Power and Ground leads behind Frame Tube as shown, place Winch with Plate on frame and align (4) holes.



20. Apply a small piece of painters tape to an 18 mm open end wrench to help hold the nut in place during the next step. Place (1) nut at a time firmly into the taped end of the open end wrench as shown.



21. Install the (2) rear bolts first, with (2) lock washers and (2) nuts. Use a 16 mm socket and the 18 mm open end wrench with nut. Torque to specifications while maintaining alignment of both front mounting holes.



22. Install the (2) front bolts, with (2) lock washers and (2) nuts and torque to specifications.



23. Install Heavy Duty Front Bumper with (8) bumper bolts using a 15 mm socket and torque to specifications.



24. Route the Power and Ground leads up thru opening shown and loosely secure to frame rail with (1) large cable tie.



25. Install (1) fir tree mount cable to inner fender well as shown.



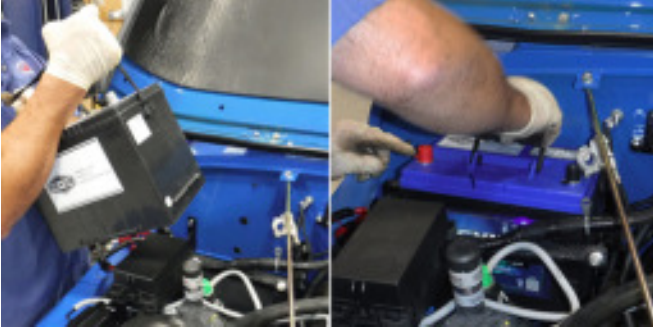
26. Remove original battery and install AGM battery with a 10 mm wrench (terminals) and 12 mm socket (hold down).



## Install: Warn Winch With Mounting Plate

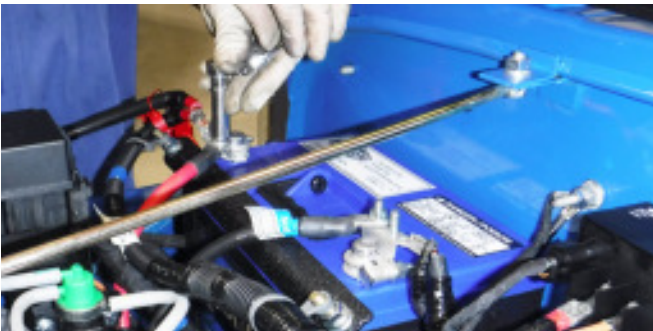
Part Number: S-0000AUA00621N

**CAUTION** Do not over tighten the Battery clamps or Power and Ground nuts, refer to Torque Specifications. Over tightening may lead to difficult to diagnose charging issues and unnecessary dead battery or alternator replacements.



27. Connect Power and Ground leads to battery. Then go back and tightly secure the Frame and Inner Fender Well cable ties installed earlier.

**NOTICE** The Battery Hold Down Bracket must be installed prior to installing the Battery Cables. Always connect the negative Battery Cable last to avoid a short that may cause equipment damage.



28. Reinstall the Battery Power post cover.



29. Connect Winch Control and test the system before heading out on the trail.

**DANGER** Before first use, the winch cable must be let out fully and re-spoiled under at least 1000 lbs of tension. A loosely wound cable can develop cable slack gaps. Under load these slack gaps can slip on the spool, resulting in equipment damage, severe injury or death.

