



motoalliance

MOTOALLIANCE WINCH MOUNT

MA11900 / MA11900W

Full Size Ranger

- 2009-2010 Ranger 500 4x4
 - 2009-2014 Ranger HD
- 2009-2014 Ranger XP (not 900)
- 2010-2014 Ranger Crew 800
 - 2010-2014 Ranger 6x6
 - 2011-2014 Ranger Diesel

Thank you for purchasing our MotoAlliance winch mount(s). You now own a premium custom winch mount which allows you to use your winch with your UTV / SxS. Please note the following instructions and heed all warnings.

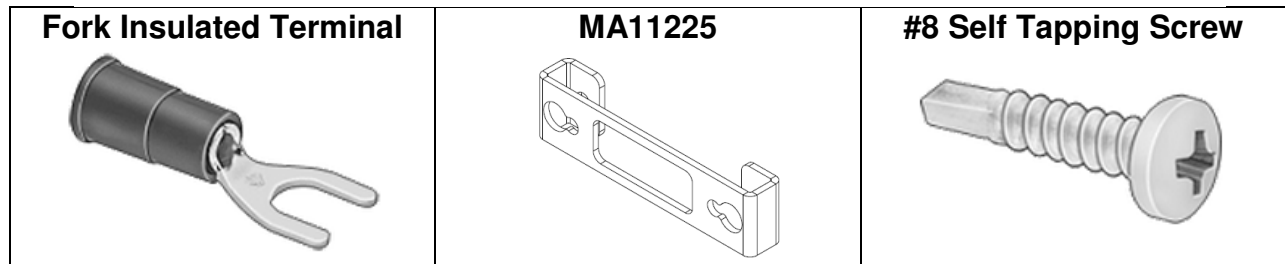
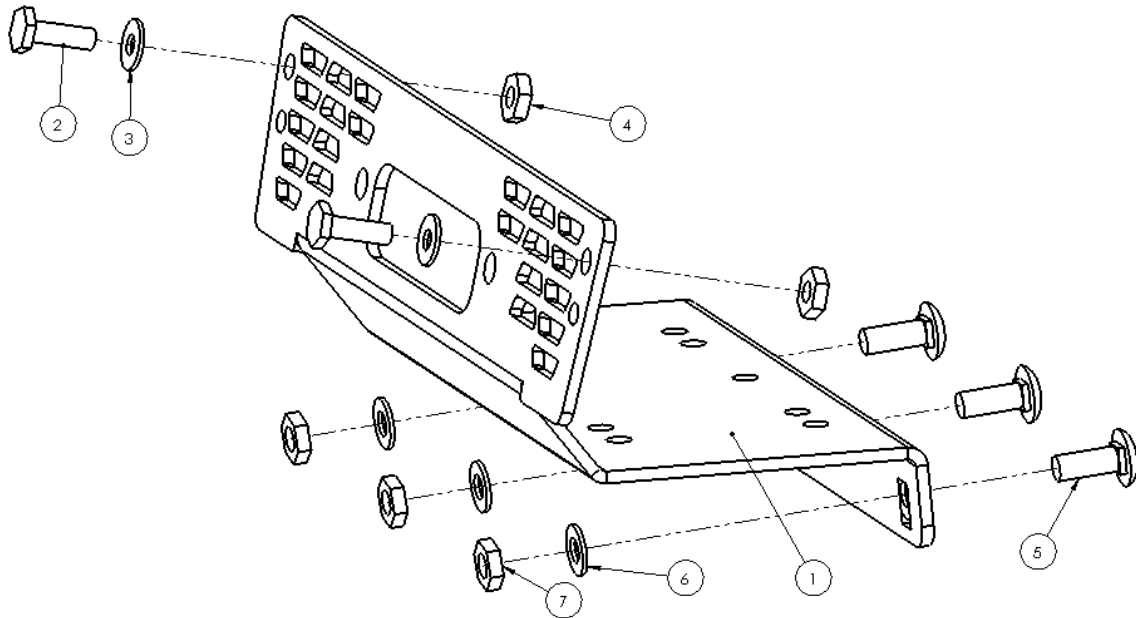
- **Please use common sense when operating your UTV / SxS.**
- **Read your Winch Operator's Manual and all other Operator Manual's, including warning labels, before operating your UTV / SxS.**
- **Be observant of moving parts causing entanglement, use extreme caution!**

SEVERE INJURY OR DEATH MAY RESULT IF YOU ARE NEGLIGENT.

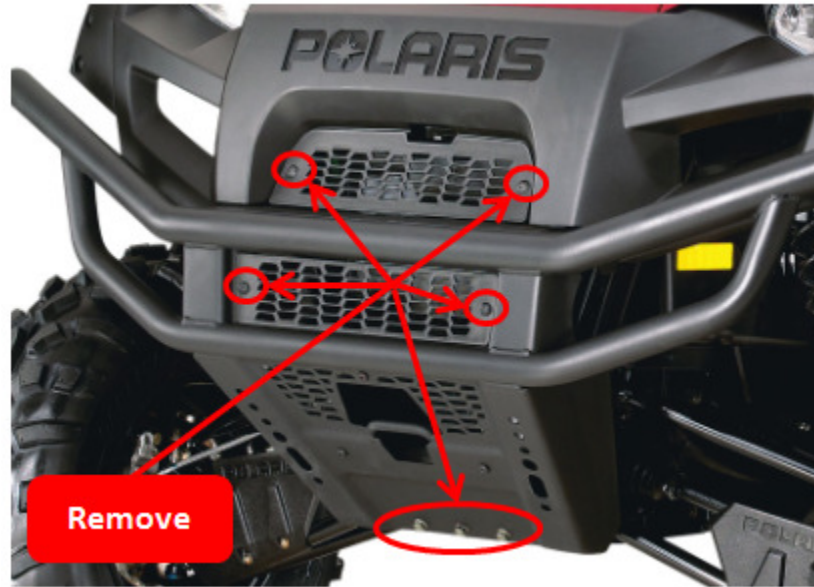
Please verify that all hardware and parts are included in your package.

Kit Content:

Item	Description	QTY
1	MA11900 Base Plate	1
2	5/16"-18 x 1" Grade 5 Hex Bolt	2
3	5/16" Flat Washer	2
4	5/16"-18 Grade 5 Nylock Nut	2
5	3/8"-16 x 1" Grade 5 Carriage Bolt	3
6	3/8" Flat Washer	5
7	3/8"-16 Grade 5 Nylock Nut	5
8	3/8"-16 x 1 1/4" Grade 5 Hex Bolt (Use with MA11225)	2
9	#8 Self Threading Screw (Use to Mount Contactor)	4
10	Fork Insulated Terminal	1
11	MA11225 Wide-to-Narrow Spool Converter	1



- 1) Begin by removing the torx screws, grills and the three bolts on the bottom as shown below.



- 2) There are two bolts that hold the top of the bumper to the radiator housing. Remove these bolts.
- 3) Attach your fairlead to the winch mount plate using the hardware included in your winch kit. If you have a Narrow Spool winch (Bolt Pattern: 4 7/8" x 3"), you will need to attach the MA11225 Wide-to-Narrow spool converter bracket. Attach the bracket using the 3/8" x 1 1/4" hex bolts to secure the MA11225 bracket to the winch mount. Then, attach the fairlead to the MA11225 bracket using the hardware in your winch kit.
- 4) Insert the winch mount into the bumper by placing the rear end of the mount through the opening in the bumper. The front Fairlead portion of the bracket will be captivated by the bumper tabs. Attach the bracket to the bumper using the 5/16" hardware included in your kit and the Torx bolts removed earlier. Do not tighten the hardware entirely.
- 5) Mount the winch to the MA11900 winch bracket using the hardware included in your winch kit. When looking at the fairlead, the winch motor should be on the left side of the centerline.
- 6) Feed your cable through the fairlead and attach the clevis hook. If you have an optional rubber line stopper, the quickest way to install it is to

remove the cable from the winch entirely and slide the rubber line stopper over the cable before installing the cable again.

- 7) Reinstall the bumper and winch assembly to the frame using the hardware that was removed in the previous steps. Do not tighten the hardware at this time.
- 8) Secure the rear part of the winch mount to the frame of the Ranger using the 3/8" Carriage bolts, Washers and Nylock Nuts. Tighten the 3/8" hardware. Proceed to tighten the 5/16" hardware and Torx bolts at the front of the bumper. Tighten the remaining bumper hardware.
- 9) **Always disconnect the negative battery terminal FIRST and reconnect it LAST when working with your vehicles electrical systems.** Wire your winch according to the manufacturer's recommendation.
- 10) Mount your contactor under the front hood on the passenger side. Some contactors will fit the OEM mounting hole pattern, others may need to be mounted next to the OEM location, and yet others can be mounted using the two letter "O" in the word 'cOntactOr as the screw boss.
- 11) Wire your winch according to the manufacturers specifications.