



INSTALLATION MANUAL

MWF24HBM1

Level of Difficulty

Easy

Installation difficulty levels are based on time and effort involved and may vary depending on the installer level of expertise, condition of the vehicle and proper tools and equipment.

Parts List

Qty	Description
1	License plate bracket
6	Hex head bolt, 1/2"-13 x 1-1/2", grade 5
12	Flat washer, 1/2"
6	Lock washer, 1/2"
6	Hex nut, 1/2"-13
4	Button head bolt, 1/4"-20 x 3/4", black
4	Kep nut, 1/4"-20, black
1	Midnight winch plate

Tools Required

Ratchet	Torque wrench
SAE socket set	SAE wrenches
Metric socket set	Metric wrenches
Socket extension (optional)	Allen wrench, 5/32"
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Torque Specifications

M12 bolt	59 ft-lbs.
1/2" bolt, grade 5	75 ft-lbs.
1/2" bolt, grade 8	110 ft-lbs.

Use above torque setting unless otherwise noted

Product Registration and Warranty

Ranch Hand stands behind our products with industry-leading warranties. To get copies of the product warranties, register your purchase or provide feedback, visit: warranty.curtgroup.com/surveys

Product Photo



NOTICE

Visit www.ranchhand.com for a full-color copy of this instruction manual, as well as helpful videos, guides and much more!

Before you begin installation, read all instructions thoroughly.

Proper tools will improve the quality of installation and reduce the time required.

Always disconnect the vehicle battery before removing sensors or disconnecting wiring harnesses. Ranch Hand is not responsible for sensor miscalibration or accidental deployment of airbags during installation.

Always mark the orientation of sensors prior to removal from the factory bumper. Many vehicle sensors are calibrated to a particular orientation, and reinstallation sideways or upside down will impact vehicle performance. A piece of masking tape, a grease pencil, or other mark to indicate the sensor's original orientation will help to ensure proper re-installation.

Periodic inspection of your product should be performed to ensure all hardware and / or components remain secure.

To help prevent damage to the product or vehicle, refer to the specified torque specifications when securing hardware during the installation process.

Be sure to inspect and test fit product before having it coated or painted. Ranch Hand will not be responsible for the cost of the coating if any problems with fit or finish are not noted and addressed beforehand.

Maintenance

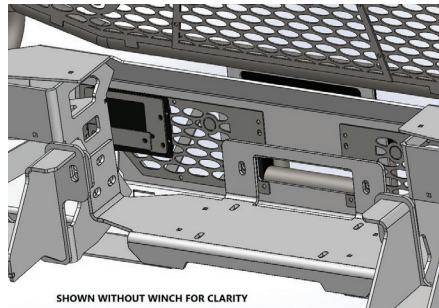
Mild automotive detergent may be used to clean the product. Do not use dish detergent, abrasive cleaners, abrasive pads, wire brushes or other similar products that may damage the finish.

Step 1

Mount the winch to the winch plate using the hardware provided with the winch.

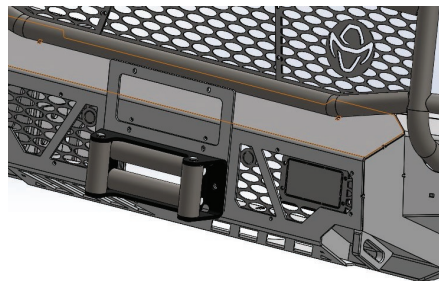
Step 2

Mount the winch plate to the Midnight bumper using 1/2" x 1-1/2" bolts, washers, lock washers and nuts.



Step 3

Insert the 1/2" bolts provided with the winch through the front of the fairlead and license plate bracket into the slotted holes of the Midnight bumper and winch plate. Secure them to the winch plate according to the winch manufacturer's instructions.



Step 4

Mount the license plate to the license plate bracket using black 1/4" button head bolts and kep nuts.

Step 5

Mount the Midnight bumper to the frame following the instructions provided with the bumper.