



SPARE TIRE CARRIER
OEM INSTALLATION MANUAL

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Introduction

The spare tire carrier is attached to the underside of a trailer chassis and features a winch extension to raise and hold the spare tire in the stowed position. The winch extension is turned using a manual crank or a hand wrench to raise the tire into the stowed position and to lower it for use. The spare tire carrier has a maximum weight rating of 150 pounds.

⚠ WARNING

The “WARNING” symbol above is a sign that an installation procedure has a safety risk involved and may cause death, serious personal injury, severe product or property damage if not performed safely and within the parameters set forth in this manual. Always wear eye protection when performing this installation procedure. Other safety equipment to consider would be hearing protection, gloves and possibly a full face shield, depending on the nature of the procedure.

⚠ WARNING

The trailer **MUST** be supported per manufacturer's recommendations before working underneath. Failure to do so may result in death, serious personal injury or severe product or property damage.

⚠ CAUTION

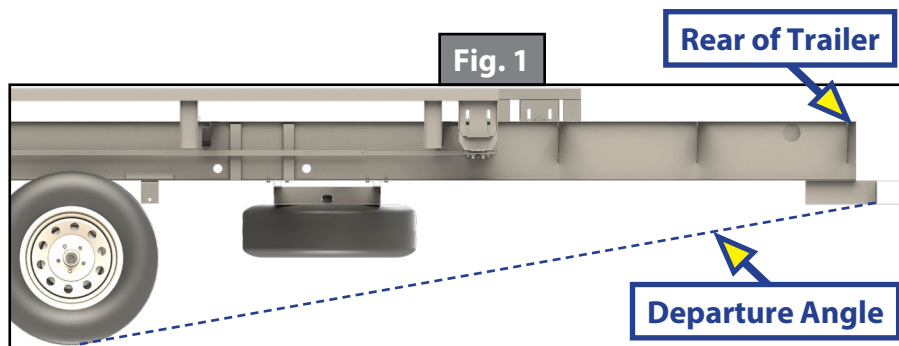
Moving parts can pinch, crush or cut. Keep clear and use caution.

Resources Required

- Cordless or electric drill or screw gun
- Appropriate drive bits
- Appropriate drill bits
- Eight $\frac{5}{16}$ " x $\frac{3}{4}$ " self-drilling screws
- Eight $\frac{5}{16}$ " - 18 x 1" bolts Grade 5 minimum
- Nylon lock nuts
- $\frac{1}{2}$ " wrench
- Hand crank or socket wrench to turn winch extension

Installation

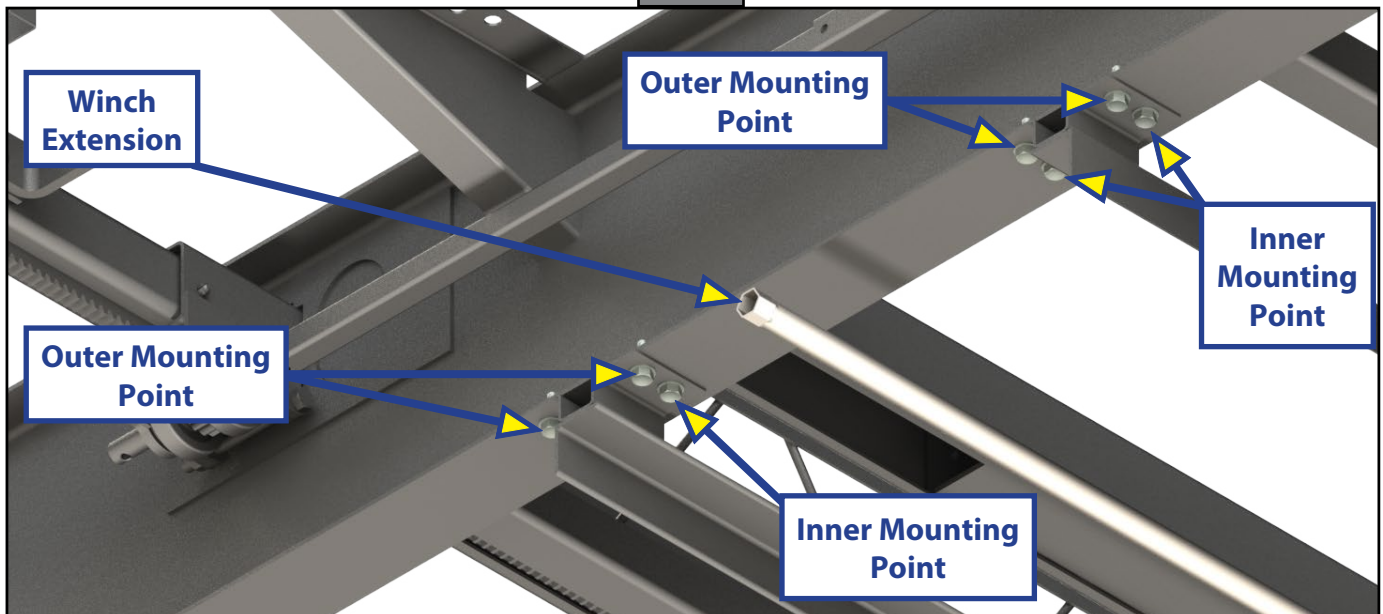
1. Determine location for spare tire carrier to permit curbside access to the winch extension. The carrier can be located behind the rear jacks of the trailer but must remain within the departure angle of the trailer (Fig. 1).



NOTE: To measure departure angle, run a string line from the meeting point of the tire and ground up to the lowest point on the rear of the trailer, (Shown in Fig. 1 as a dotted line).

2. Using a total of eight $\frac{5}{16}$ " x $\frac{3}{4}$ " self-drilling screws, attach the carrier to the underside of the chassis rails utilizing the inner holes of the brackets (Fig. 2). Four on each frame rail. Make sure the winch extension is visible underneath the main rails.
3. Drill $\frac{11}{32}$ " mounting holes for bolts using the outer holes of the brackets for a guide (Fig. 2).
4. Insert eight $\frac{5}{16}$ " - 18 x 1" bolts in the outer holes of the brackets, and securely fasten with nylon lock nuts. Four on each frame rail.

Fig. 2



Operation

1. Place the tire underneath the spare tire carrier and thread the end of the winch inside the wheel hub opening and tire rim.

⚠ CAUTION

DO NOT use a power drill or impact wrench to operate the winch extension. DO NOT continue to rotate winch extension after the tire is in its proper position. Use of power tools and overextension of the winch can damage the winch or its cable, which could result in the spare tire dropping away from its stowed position. A dropped tire can cause damage to the tire, tire carrier and/or the trailer.

⚠ CAUTION

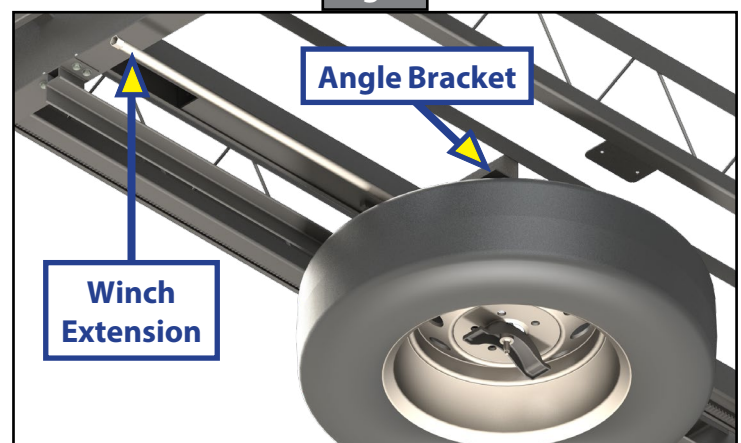
Maintain tension on winch cable during rewinding of the winch. Failure to do so may cause winch cable to slack and unwind during transport. This may cause damage to the tire carrier and/or trailer, and may cause damage or personal injury to other vehicles or persons during transport.

Fig. 3

2. Use a manual crank or a socket wrench to turn the winch extension (Figs. 2 and 3) clockwise to raise the spare tire to the tow position.

NOTE: The spare tire must be raised high enough so the tire's sidewall firmly contacts the two angle brackets on the carrier (Figs. 2 and 3) and is torqued to a minimum of 300 in-lbs (25 ft-lbs).

3. Turn the winch extension counterclockwise to lower the tire from the carrier.





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