

ATLAS III

INSTALLATION & OPERATION GUIDE



BEFORE YOU BEGIN...

WARNING

The Atlas III is designed to be used in trailer applications only with a trailer tongue weight which **does not exceed 12,000 lbs (per jack leg)**. Any other use of this product is prohibited. Stillwell, Inc. will not be responsible for damages resulting from improper use, installation or care of this product.

The Atlas III does not include a mounting plate (unless purchased as an option). It has been designed to be welded on any location one inch from the glide bearings or top of its outermost square steel tube. Please see the "Welding Operations" section of this guide for more information about attaching the Atlas III to your trailer.

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INSTALL AND FINISH

Be sure to support the trailer weight with an appropriate trailer jack stand prior to installing the Atlas III jack.

Ensure the mounting location will support the weight limits of the trailer prior to mounting the jack leg onto the trailer.

WELDING OPERATIONS

Welding should be done by a certified welder using ASTM standard for welding to Carbon and Low Alloy Steel Tubes.

These standards include:

- AWS Code D1.1
- ASTM A450 / A450M

Mount the jack leg to the trailer frame by welding the outer 4 inch tube to the front of the trailer at the desired location. For best performance, consider the desired maximum extension height of your trailer to determine the desired mounting point of the jack leg.

Welding location must begin at least 1" above the glide bearings on the bottom of the outer tube

PAINTING / COATING OPERATIONS

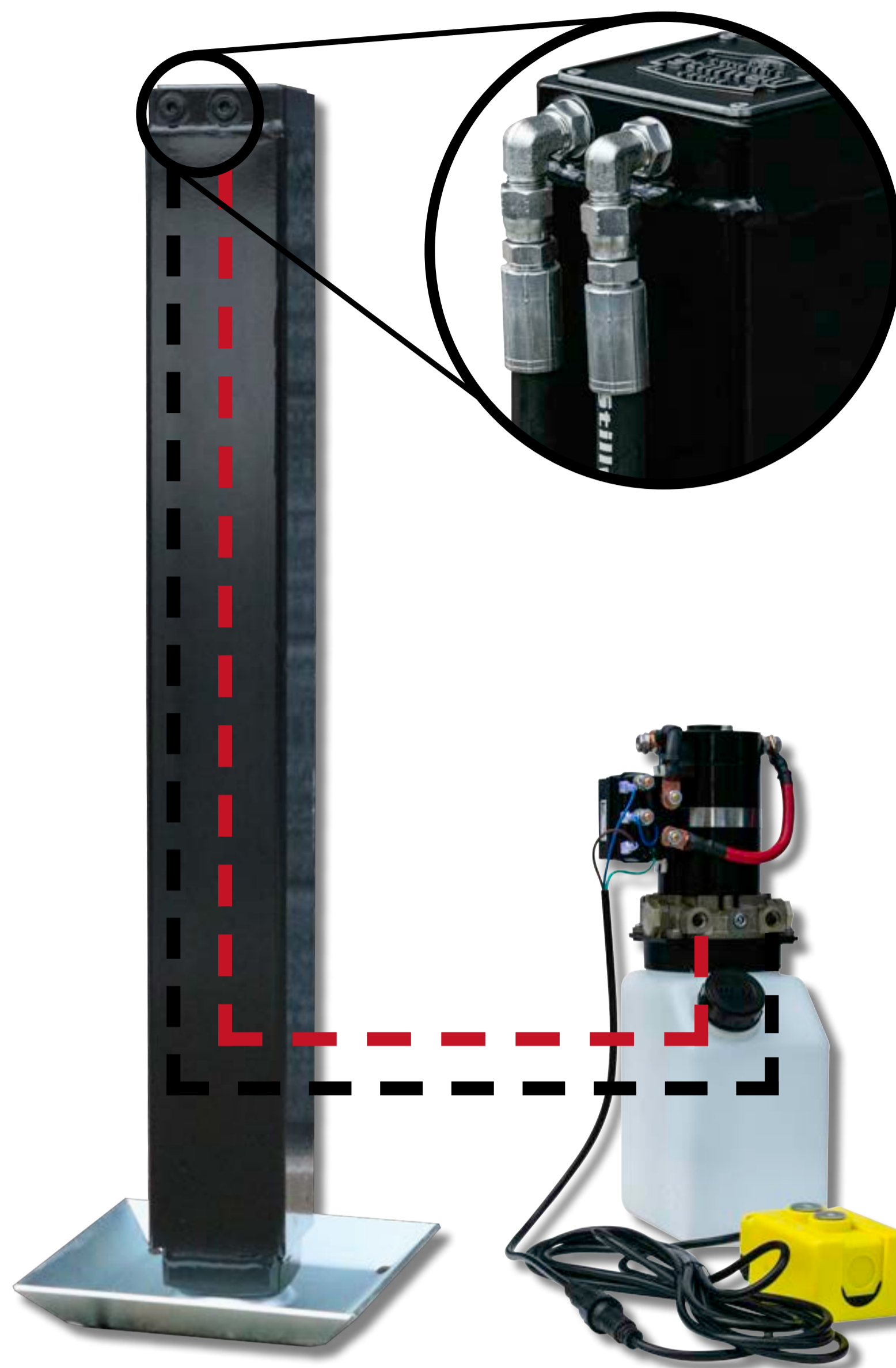
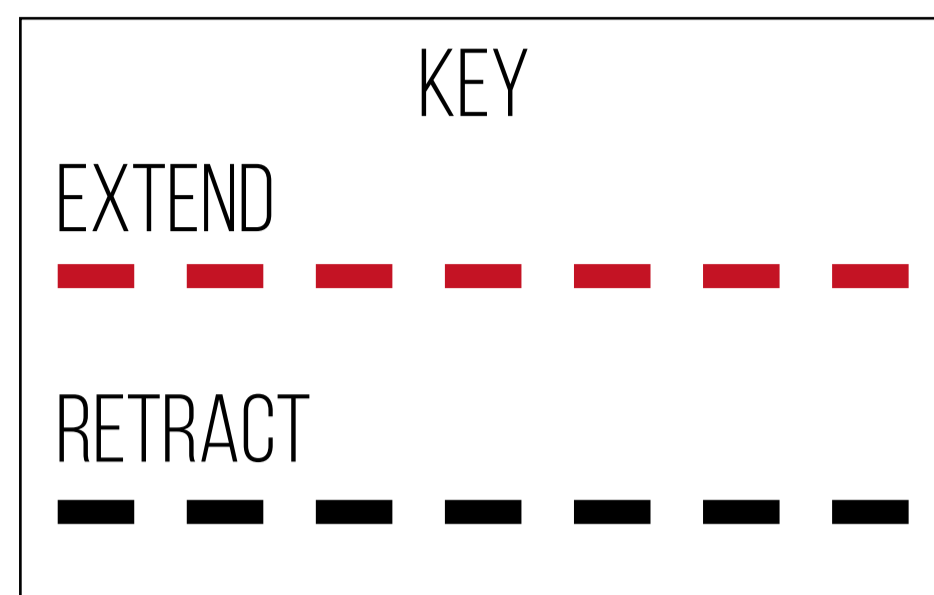
The Atlas features a rust and corrosion protected surface which allows you to paint as needed.

The jack leg can be mounted to your trailer before performing any painting or coating operations to allow for a consistent paint and coat application across the entire trailer, including the jack leg.

The Atlas III can withstand painting and coating operations including powder coating up to **400°F for up to 50 minutes** without harming the operation of the jack.

HOW TO CONNECT HYDRAULICS AND PREPARE FOR USE

HOW TO CONNECT HYDRAULIC LINES



LEFT PORT: RETRACT
RIGHT PORT: EXTEND

UP: EXTEND

DN: RETRACT

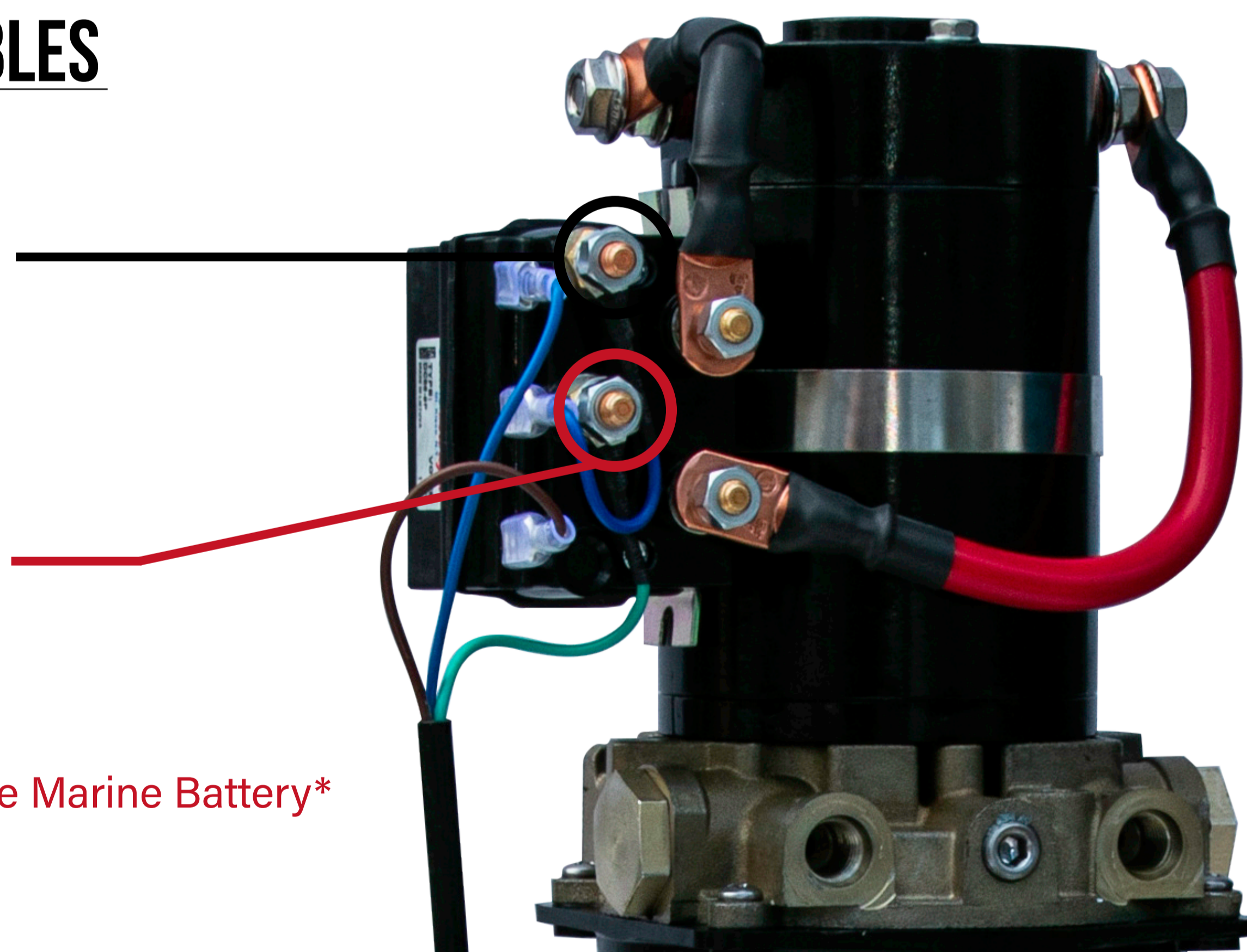
CHECK WITH YOUR COMPATIBLE POWER UNIT
MANUFACTURER FOR ALTERNATIVE MARKINGS

HOW TO CONNECT BATTERY CABLES

Connect Negative (-) battery cable to this terminal using the included nut and washer
Hand tighten, do not over torque

Connect Positive (+) battery cable to this terminal using the included nut and washer
Hand tighten, do not over torque

For best results use 12V Deep Cycle Marine Battery



Tools Needed:
10mm wrench or socket

Parts Needed:
2 x Battery Cable with 1/4" terminal

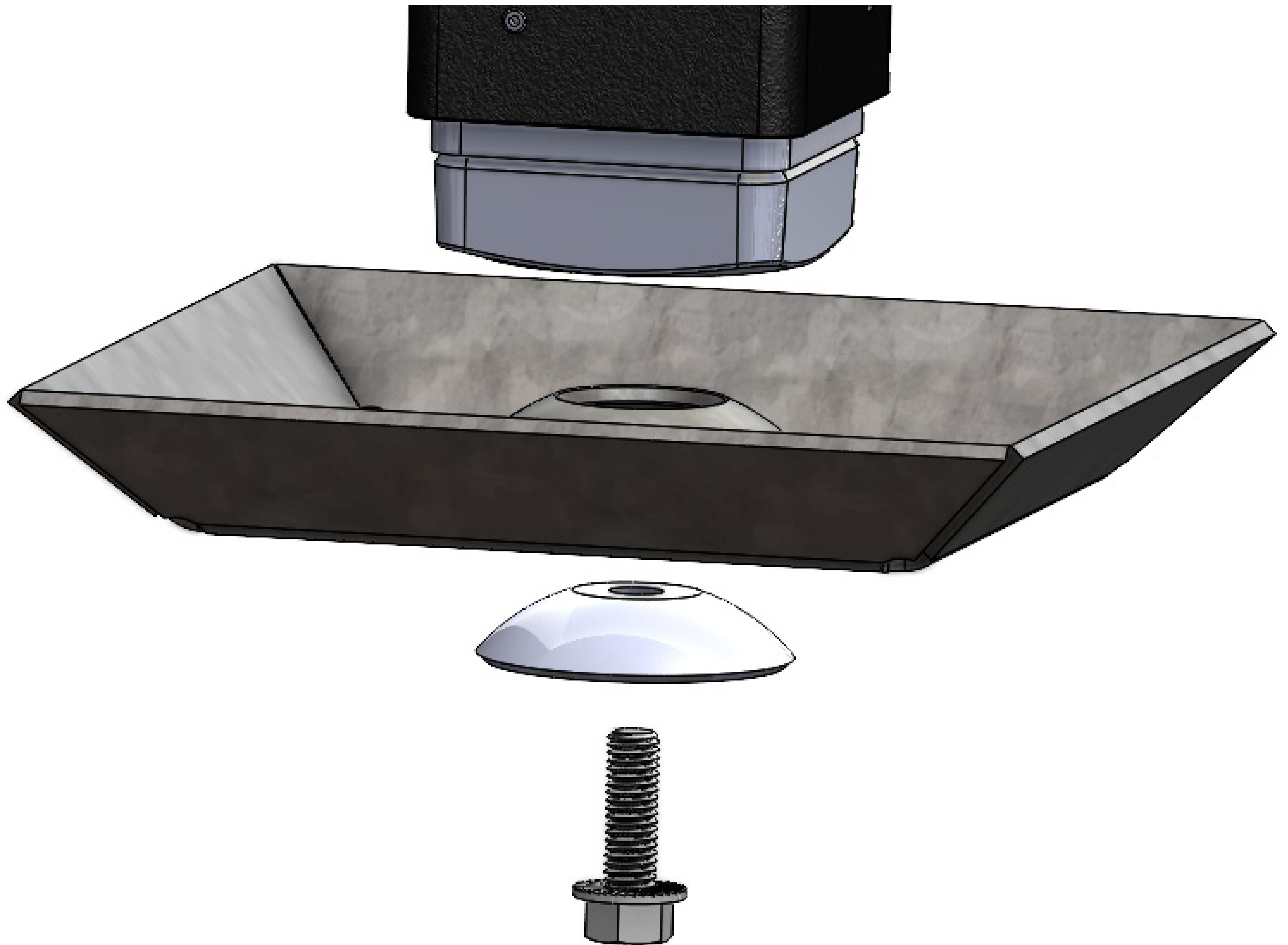
BLEEDING PROCEDURE

Recommended Fluid: ATF Dexron III or comparable ATF (Approximately 1 Gallon Needed)

- Start with jack completely retracted (fill reservoir)
- Extend 1/4 of the stroke, retract completely (check fluid and fill if necessary)
- Extend 1/2 of the stroke, retract completely (check fluid and fill if necessary)
- Extend 3/4 of the stroke, retract completely (check fluid and fill if necessary)
- Extend completely, retract to standard resting height

Only add fluid when jack is retracted

INSTALLING AND SECURING YOUR FOOT



ORDER OF INSTALLATION

- Inner leg bolster block
- Zinc plated 360 degree rotating foot
- Zinc plated washer
- Flange bolt, add thread lock for additional security

Red, high strength Loctite 263 recommended,
for best results, place a 1/2" bead on threads