



MODELS 86014 4000 LBS. CAPACITY CROSS BEAM (PAIR) **SETUP • OPERATING • MAINTENANCE INSTRUCTIONS**

Note: Revision letters (A, B, C, D etc.) after model numbers have been omitted as they do not affect the setup, operating and maintenance instructions of a particular jack unless otherwise noted.

IMPORTANT: READ THESE INSTRUCTIONS BEFORE INSTALLING & OPERATING

BEFORE USING THESE CROSS BEAMS, READ THIS MANUAL COMPLETELY AND THOROUGHLY, UNDERSTAND ITS OPERATING PROCEDURES, SAFETY WARNINGS AND MAINTENANCE REQUIREMENTS. FAILURE TO DO SO COULD CAUSE ACCIDENTS RESULTING IN SERIOUS OR FATAL PERSONAL INJURY AND/OR PROPERTY DAMAGE.

The use of cross beams is subject to certain hazards that cannot be prevented by mechanical means, but only by the exercise of intelligence, care, and common sense. It is therefore essential to have owners and personnel involved in the use and operation of equipment who are careful, competent, trained, and qualified in the safe operation of the equipment and its proper use. Examples of hazards are dropping, tipping or slipping of loads caused primarily by improperly securing loads, overloading and off-balanced loads, using equipment for a purpose for which it was not designed. Other hazards such as bending the beams can happen if warning,

installation, setup, operating and maintenance instructions are not followed.

It is the responsibility of the owner to make sure all personnel read this manual prior to using these beams. It is also the responsibility of the device owner to keep this manual intact and in a convenient location for all to see and read. If the manual is lost or not legible, contact Norco Industries, Inc. for a free replacement. If the operator is not fluent in English, the product and safety instructions shall be read to and discussed with the operator in the operator's native language by the purchaser/owner or his designee, making sure that the operator comprehends its contents.

WARRANTY

This product is covered by a Limited Lifetime Warranty. For details see the back cover of Norco's product catalog.

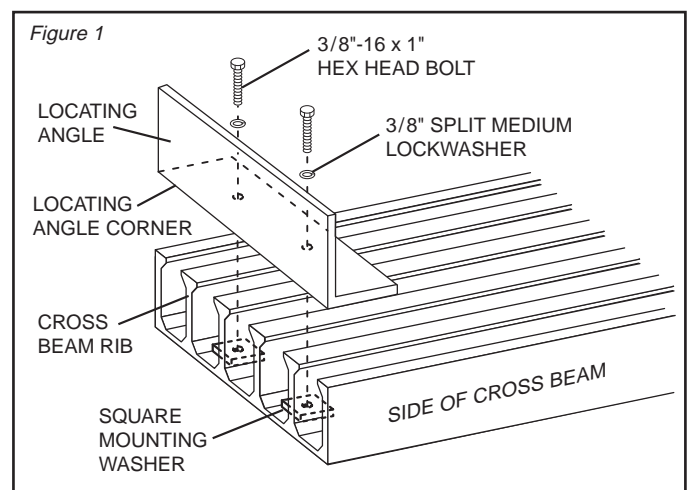
⚠ WARNING

- Use these cross beams on the Norco Model 86006 Open Center Pit Lift only.
- Use only for their intended purpose.
- Vehicle lift contact points on the cross beams shall not exceed four inches (4") away from the lift pads under any circumstance.
- Use the vehicle manufacturer's recommended lift points only.
- Position the vehicle in relationship to the cross beams so the vehicle's weight is evenly distributed.
- Make sure setup is stable and secure before lifting.
- Inspect the cross beams for mechanical fitness before using. Do not use the cross beams if they are cracked, broken, bent or show signs of damage or excessive wear.
- Do not use the cross beams if the locating angles are not properly installed and secured on the bottom of the beams.

SETUP

1. Locating angles must be installed on the bottom of both cross beams (see figure 1). Since the distance between lift pads vary according to the different pit widths, measure the distance between the lift pads (see figure 2).
2. Install the square mounting washers in between the ribs of the extruded cross beams as shown in figure 1.
3. Place the locating angle where the leg of the angle with holes faces the bottom of the beam and the other leg of the angle faces inboard towards the center of the beam (see figure 1).
4. Feed the hex head bolts and washers through the holes in the locating angles until the bolts make contact with the square mounting washers.
5. Turn the bolts in a clockwise direction until they thread into the holes in the square mounting washers. Do not tighten as you will have to slide the angles into position.
6. Using a square on the side of the cross beam, draw a line across the bottom of the cross bar ribs where the lift pad distance is measured. The locating angles should be equal distances away from the ends of the cross beams while maintaining the lift pad distance.

7. Align the corners of the locating angles with the lines drawn on the cross beam ribs and tighten the bolts until the lockwashers collapse flat. Do not over-tighten. Install the cross beams on the lift pads to make sure the locating angles clear the inside of the lift pads. If they do not line up, loosen the bolts and make the required adjustments.



OPERATING INSTRUCTIONS

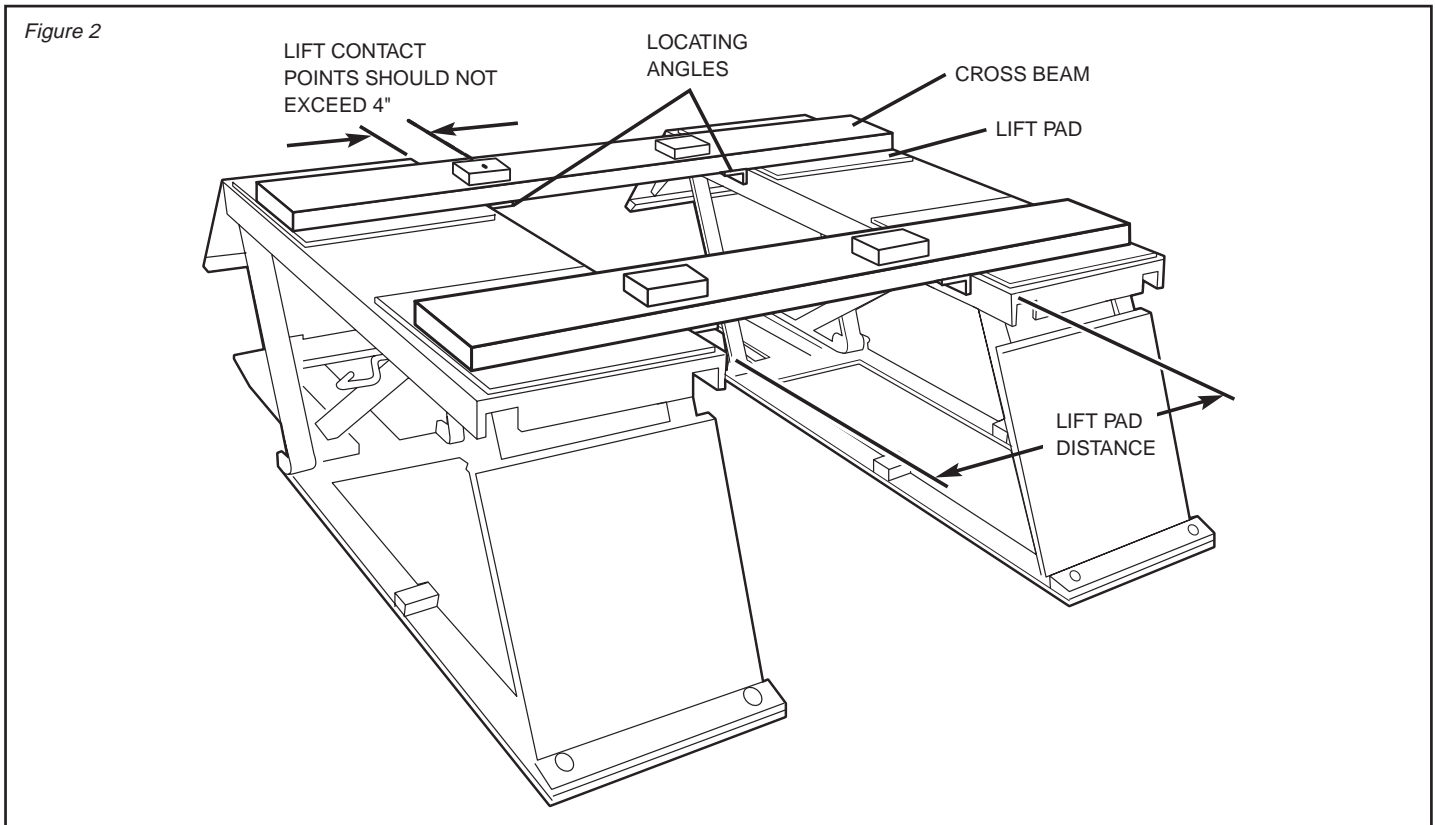
There are very few vehicle frames that are narrower than a lubrication pit width. Cross beams must be used in conjunction with the Norco Model 86006 Open Center Pit Lift when lifting a vehicle with a narrow frame.

1. Measure the width of the vehicle frame and the pit width to determine if cross beams will be required.
2. If cross beams are required, set them aside until the vehicle is properly positioned over the lift pads.
3. Use the vehicle manufacturer's recommended lift points and install the cross beams in between the pad lifts and vehicle frame. Slide the cross beams into position and in accordance with the vehicle manufacturer's recommended lift points.

4. If there is room, place the Model 86011 or 86012 rubber riser blocks on the cross beams where they will make contact with the vehicle frame when the lift is raised.

IMPORTANT: VEHICLE LIFT CONTACT POINTS ON THE CROSS BEAMS SHALL NOT EXCEED FOUR INCHES (4") AWAY FROM THE LIFT PADS UNDER ANY CIRCUMSTANCE (See figure 2).

5. Slowly raise the lift to make sure the cross beam contact points are lined up with the vehicle frame. After the cross beam contact points touch the vehicle frame, inspect the setup before continuing to lift the vehicle. If the contact points look unstable or do not line up properly, lower and readjust the setup.



MAINTENANCE & INSPECTION

1. Check the condition of the cross beams prior to every use making sure they are not cracked, broken or bent. Repair or replace before using.
2. Inspect the beams for excessive wear and metal fatigue prior to every use. Repair or replace before using.
3. Check to make sure the locating angles at the bottom of the cross beams are properly positioned and tightly secured prior to every use.

REPAIR SERVICE

If your Norco product requires service or repair, contact the Norco Customer Service Department for the location of the nearest Norco Authorized Service Center.

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It will be necessary to provide the Norco Authorized Service Center with a copy of the bill of sale if requesting warranty repair. If the authorized service center determines your product is eligible for warranty repair, the repair will be made at no charge and returned freight prepaid. The cost of non-warrantable service, repair, and return freight is the customer's responsibility.