

Swing Air Jacks

Models:

133-35-1, 133-62-1, 133-67-1, 133-68-1, 133-69-1 and
133-83-1



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1. GETTING STARTED

1.1 Introduction

This manual provides operation instructions and information required to operate the swing air jacks.

“References”

This manual assumes you are already familiar with the basics of lift rack operations. If you are not familiar with the basics of lift rack operations, please refer to the appropriate lift rack operation manual. Replacement operation manuals are available free of charge by calling 1-800-448-6848, emailing customerservice@hunter.com or by writing to Hunter Engineering Company 11250 Hunter Drive Bridgestone Mo. 63044.

“Italics” are used to refer to specific parts of this manual that provide additional information or explanation. For example, *refer to “Vehicle Specifications”*. These references contain additional information to the instructions being presented.

1.2 For Your Safety

Read and follow the instructions in this manual and all caution and warning labels affixed to equipment and tools. Failure to read and follow this information could result in personal injury or death and could shorten the life of the equipment.

NOTE:	Read and thoroughly familiarize yourself with these instructions and the ANSI/ALI ALOIM-2000 prior to operating the equipment.
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Don'ts:

Do not allow the jack to be caught under jack rails while lifting. If this occurs, completely lower jack before attempting to reposition.

Do not place hands or head over jack if cylinders are pressurized.

Do not operate jack if damaged or not operating correctly. See chapter five (5) for inspection points.

Do not attempt to pivot jack when in raised position.

Do not raise or lower lift with the vehicle supported on jacks.

Do not use raise control if jack is in stowed position.

Do's:

Always set jack on the ratchets after raising the vehicle.

Always ensure that jack is locked into upright position before operating jack.

Always ensure that the vehicle is safely supported on lift pads before raising the vehicle.

Always raise jack off ratchets before attempting to release ratchets.

1.3 Warning/Instruction Decal Placement

WARNING, CAUTION, SAFETY INSTRUCTIONS, and other decals have been attached to the equipment for your safety. To reduce the risk of serious injury or death and to prevent equipment damage, read and follow the information contained in these decals.

If any decal shown in this manual has been removed, is missing, or cannot be read, contact your local service representative for a replacement decal(s) or call Hunter Engineering Company at 1-800-448-6848 or emailing customerservice@hunter.com or by writing to Hunter Engineering Company 11250 Hunter Drive Bridgestone Mo. 63044.

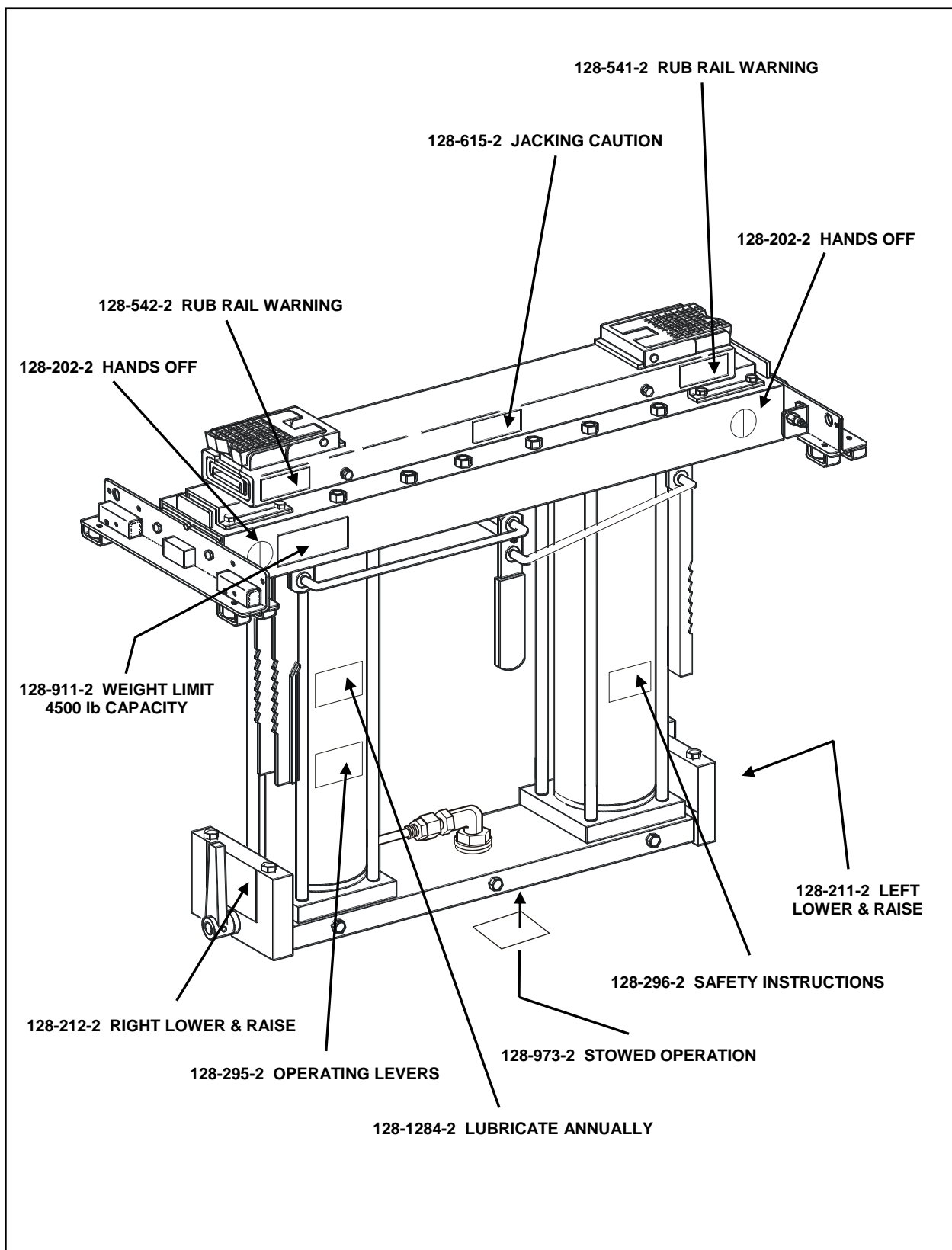
Decal Kit List

For 133-83-1 9,000lbs. Jack - Order decal kits 128-1281-3 and 128-1015-3

For all 6,000lbs. Jacks - Order decal kits 128-1015-3 and 128-1016-3

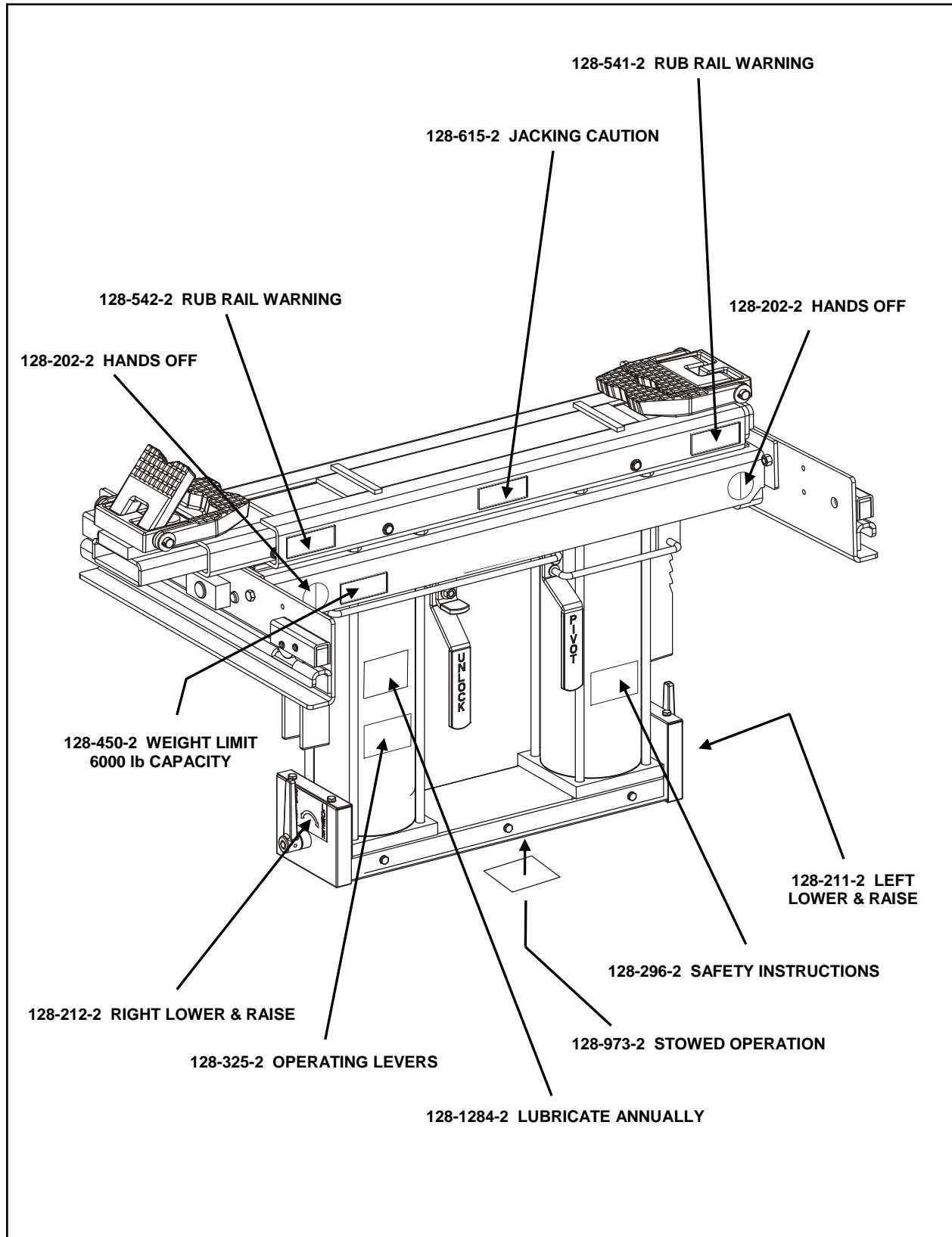
133-35-1 AND 133-67-1 4500 lb. Capacity

Replacement decals are available free of charge by calling 1-800-448-6848.



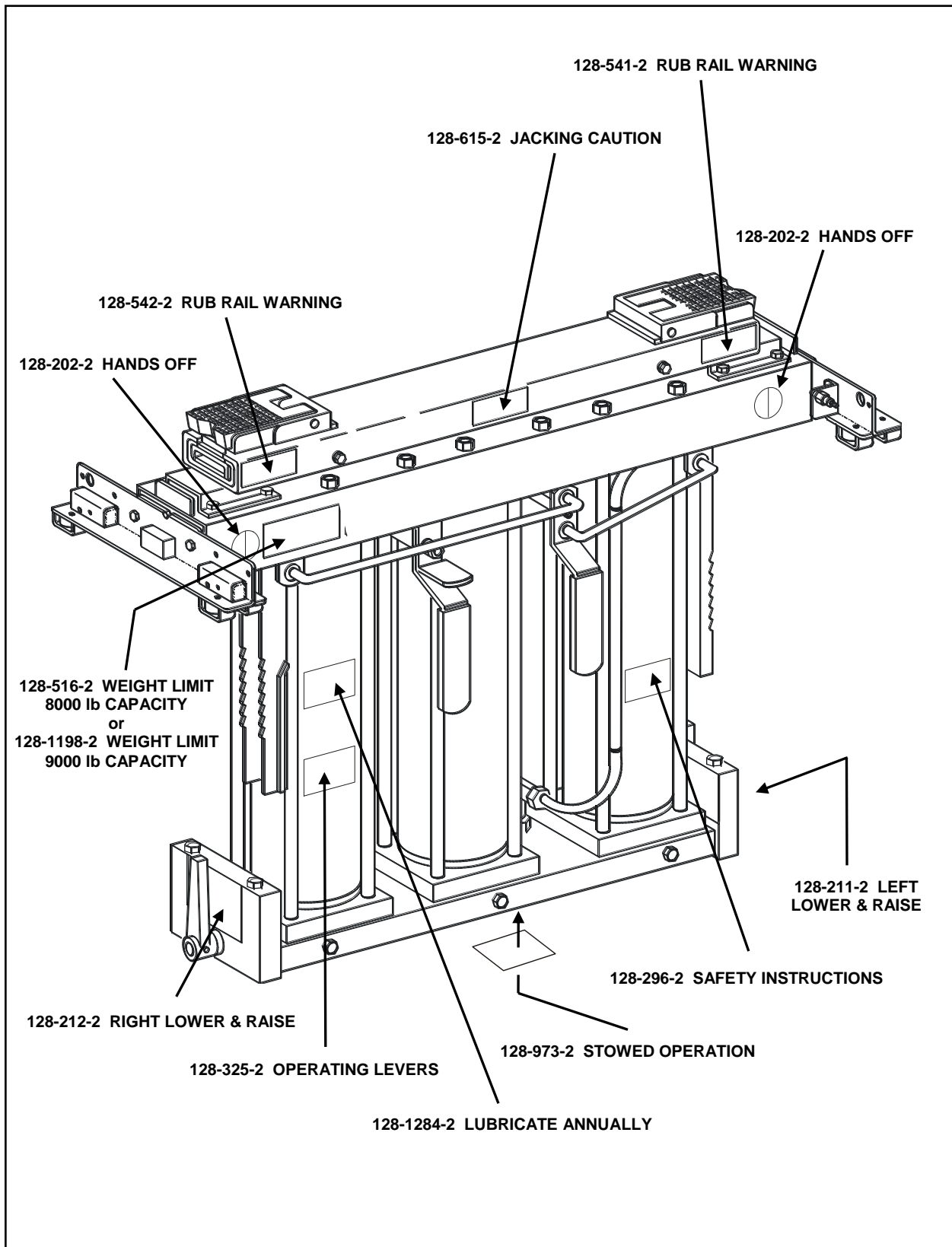
133-69-1 6000 lb. Capacity

Replacement decals are available free of charge by calling 1-800-448-6848.



133-62-1 8000 lb. Capacity and 133-83-1 9000 lb. Capacity

Replacement decals are available free of charge by calling 1-800-448-6848.



Decal Diagrams

Safety Instructions



128-911-2



128-450-2



128-516-2



128-1198-2

WARNING

CHOCK front and rear of both left wheels before raising vehicle.

SECURE JACK in vertical position before raising vehicle. Ensure pivot release pins are fully engaged.

JACK MUST BE lowered onto on locks after height change.

DO NOT OPERATE lift while vehicle is supported on jacks.

DO NOT EXCEED rated capacity of jack.

DO NOT EXCEED rated capacity of lift.

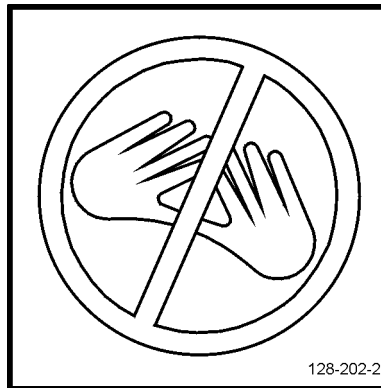
READ OPERATION MANUAL before use.

For FREE OPERATION MANUAL write:

Hunter Engineering Company
11250 Hunter Drive
Bridgeton, MO 63044
1-800-448-6848

128-296-2

128-296-2



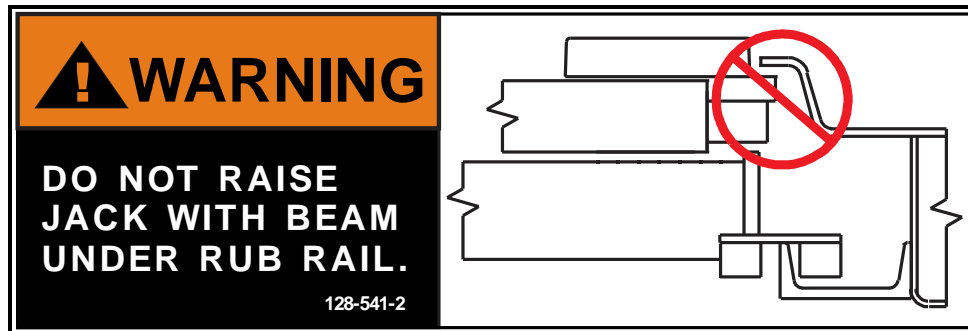
128-202-2

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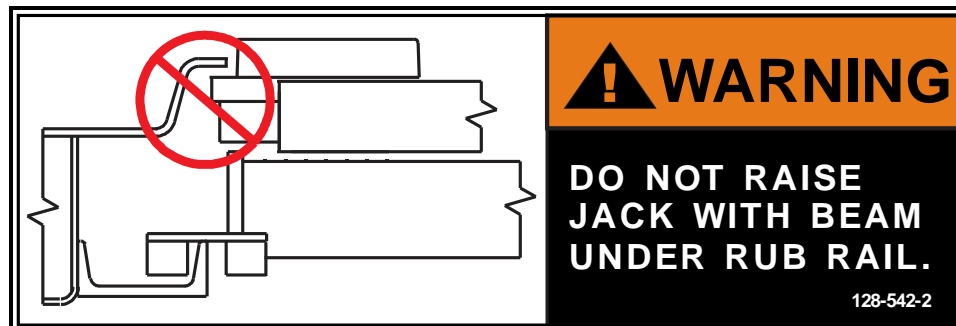
Warning Labels



128-973-2



128-541-2

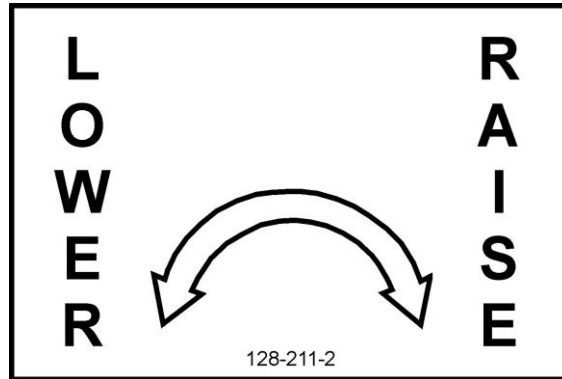


128-542-2

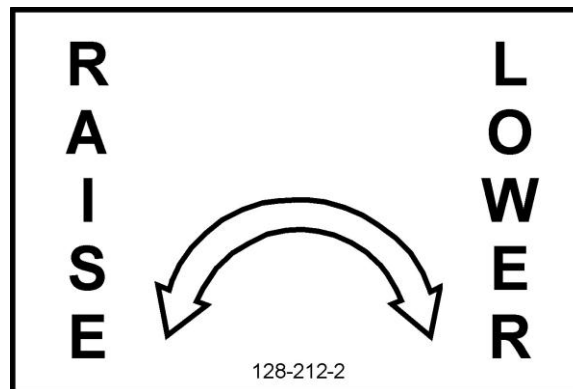


128-615-2

Informational



128-211-2



128-212-2



128-350-2

OPERATING LEVERS

LEVER AT FRONT is pivot release lever.
Operate only when jack is fully retracted.

LEVER AT REAR is lock release lever.
Raise weight off locks before operating.

LEVER AT TOP is lock engaging lever.
Operate when vehicle height is changed.

LEVERS AT SIDES are jack height controls.

128-295-2

128-295-2

OPERATING LEVERS

R.H. LEVER is pivot release lever.
Operate only when jack is fully retracted.

CENTER LEVER is lock release lever.
Raise weight off locks before releasing.

L.H. LEVER is lock reset lever.
Move right to enable locks.

LEVERS AT SIDES are jack height controls.

128-1437-2

128-1437-2

LUBRICATE ANNUALLY

Swing jack to vertical position.
Fully extend jack. Inject 1 or 2 shots
of grease into cylinders (use Hunter
tool # 145-420-2 or similar) and all
other fittings. Oil all moving parts.

128-1284-2

128-1284-2

2. JACKING THE VEHICLE

2.1 Preparing the Vehicle for Jacking

On diagnostic racks equipped with a rear swing air-jack, position the rear jack as far forward as possible.

Drive the vehicle onto the rack so that it is approximately centered from side to side on the rack. Apply the parking brake and securely chock front and rear of left rear wheel to prevent the vehicle from rolling. *Refer to Form 4446T for chocking procedure.*

Raise the rack to a comfortable, safe operating position. Be certain that the lift rack is on the safety locks prior to operating the jack, Refer to the specific operation instructions for your lift rack for information on its operation.

Slide the jack to the approximate jacking point.

⚠ WARNING: Failure to jack the vehicle at the proper jacking point could result in serious injury or death from a loss of a load and could also seriously damage the vehicle.

Hold the jack base and move the pivot lever to the left. On Heavy Duty Swing Jacks, the pivot lever (labeled "PIVOT") and ratchet release lever (labeled "UNLOCK") are both on front of jack.



Swing "Pivot" lever to left.

Gently lower the jack down until the pivot release pins snap into position. (See the pictures below for reference) You should hear and feel the pins snap when the locks engage. Push and pull the base of the jack to verify that it is locked and cannot move forward or backward.



⚠ WARNING: Be certain both pivot release pins (one on each side of jack) are fully engaged before jacking.

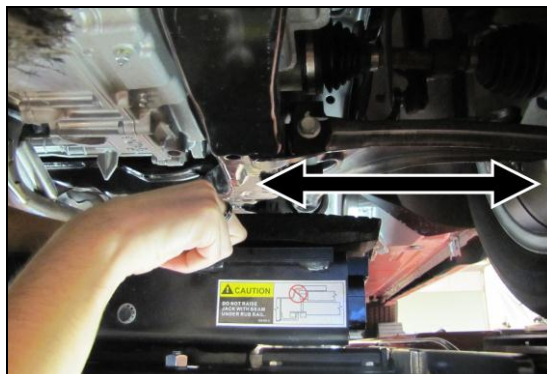
⚠ CAUTION: In some cases the total lifting capacity of the two jacks may exceed the total lifting capacity of the rack. If so, the jacks **can not** be located within 60 inches of each other when lifting simultaneously. Damage to lift or vehicle shifting could occur.

2.2 Jacking Procedure

⚠ WARNING: Do not allow the jack to be caught under jack rails while lifting. If this occurs, completely lower the jack before attempting to reposition.

⚠ WARNING: Do not attempt to jack one wheel at a time with the swing air-jack. Damage to the jack or vehicle can occur.

Slide the pick-up pads in, out or up, as required to position them directly under the jacking points.



Slide pads to desired location.

After you are sure the jack is fully locked in the vertical position, push both control handles on the jack base at the same time to raise the jack until the pads contact the jacking points.



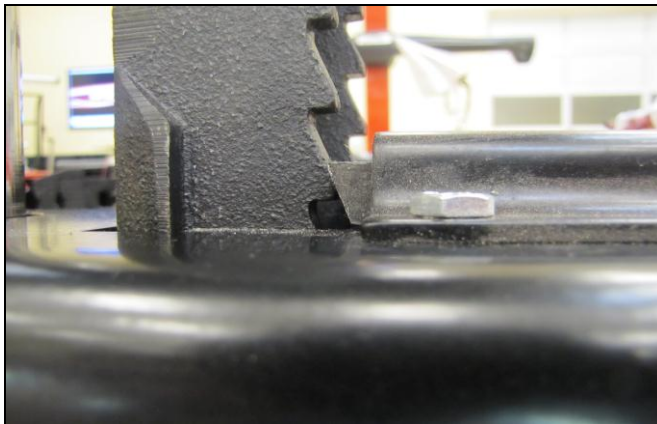
CAUTION: If the jack begins to “cock” sideways as the vehicle is raised, do not continue to jack. Damage to the jacks or vehicle can occur. Lower and reposition the vehicle centered on the rack.

As soon as the lift pads have contacted the vehicle, check that they are stable before proceeding.

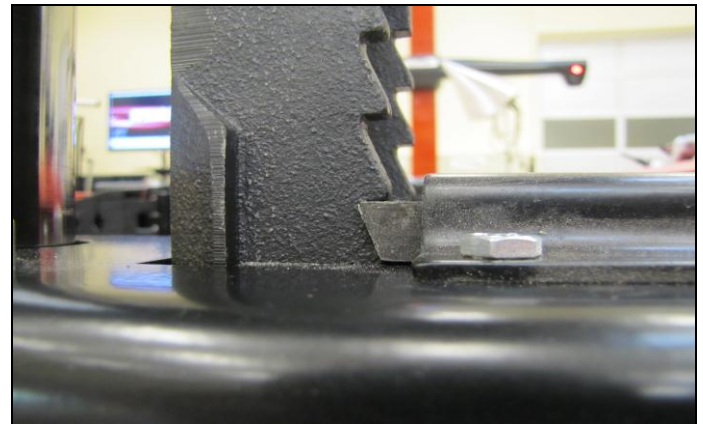
Raise the jack to the desired height.

CAUTION: After obtaining the desired height, be certain the ratchet locks are engaged in the safety ratchets.

Lower the jack onto the next lock position. See pictures below for improper and proper ratcheting position.



This photo shows the jack above the ratchet position.



This photo shows the jack properly lowered into the ratchet position.

WARNING: Once the vehicle is raised on the jack, DO NOT raise or lower lift until vehicle is off jacks. Failure to follow these instructions can cause a vehicle to fall off the jacks. This can result in property damage, injury, or death.

3. LOWERING PROCEDURE

3.1 Lowering the Jack

To lower the jack, push the control handles on the jack base to lift the weight off of the safety ratchets. Move the ratchet release, unlock, lever to the left. Pull both control handles to release air from the jack, until the vehicle is fully lowered. (See pictures below)



Rotate levers forward, away from operator.



Move unlock lever to left



Rotate levers reverse, toward operator.

NOTE: On Heavy Duty Swing Jacks, the pivot lever (labeled "PIVOT") and ratchet release lever (labeled "UNLOCK") are both on front of jack.

If the jack is in a raised position and it is necessary to lower it only part way, use the control handles to lift the weight off the safety ratchets, move the ratchet release lever to the left and lower the jack to the desired height. Use the lock engaging lever to reactivate the ratcheting locks. The lock engaging lever returns automatically ONLY when the jack is fully lowered.



To re-engage the ratchet pawls, slide the lock engaging lever up.

⚠ WARNING: Do not support the vehicle without the locks being engaged in the lock ratchets, without locks in place loss of air pressure could result in jack falling resulting in possible injury, death, or damage.

When you are done using and the jack is fully lowered, you may then pivot the jack to the stowed (horizontal) position. Use the pivot release lever to position the jack back to the horizontal position.



Move the "Pivot" handle to the left to release pivot release pins.

4. FLIPPER OPERATION

4.1 Standard Operation

Swing air jacks are equipped with two (2) height adjustable lifting flippers. Flip them upright and pick a stable location to lift from. Use caution not to lift inboard on a suspension where suspension droop may push the flipper away from its over-center locked position.



Incorrect lifting location.



Correct lifting location.

5. MAINTENANCE

5.1 Weekly

Clean both rams and apply SAE 30 Oil (see figure below).

Check proper operation of control levers.

Verify two handed operation of raise/lower controls.

Check for air leak.

Check that the locks are fully engaging and unlocking at the correct times.

Check that pivot lock pins are undamaged and lock and unlock freely.

Verify that counter balance spring is functional.

Perform general structural check for damage.

5.2 Monthly

Apply SAE 30 Oil to linkage pins and levers (see figure below).

5.3 Annually

Apply 3 shots of Moly-Grease to each fitting on both sides of the jack channel assembly (see figure below).

Apply 1-2 shots of Moly-Grease to each fitting on both sides of the lower cylinder assembly with jack fully extended (see figure below). Composite cylinders without grease fittings do not require annual lubrication.

