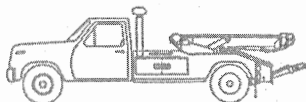
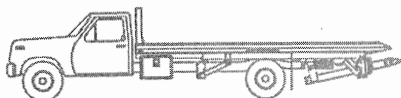
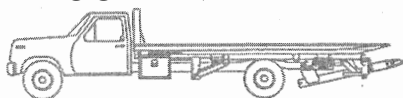
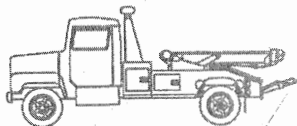


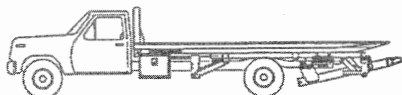
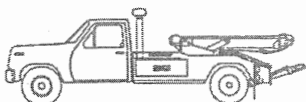
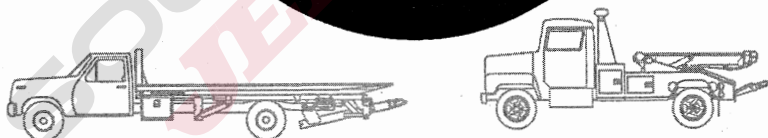
\$35.00



EPG™ 35



## OPERATIONS, MAINTENANCE, AND PARTS MANUAL



# **.TERR-DAN<sup>®</sup>** **CO.RP.**

1080 Hykes Road  
Greencastle, PA 17225

Phone (717) 597-7111



## FOREWORD

This manual is intended to serve as a guide to the owner and operator in the safe operation and optimum performance of this Jerr-Dan equipment.

Establishment of good operating habits and familiarity with the equipment and its capabilities combined with good judgement are essential.

Before attempting to operate the unit carefully read all sections of this manual.

SOUTH SHOT  
JERR-DAN

# WRECKER LINE SHEET

SALES ORDER NO. \_\_\_\_\_ DATE \_\_\_\_\_

BODY SERIAL NO. \_\_\_\_\_ MODEL NO. \_\_\_\_\_

PTO MODEL NO. \_\_\_\_\_ % \_\_\_\_\_ SHIMS \_\_\_\_\_

PTO INSTALLED BY: \_\_\_\_\_

CLUTCH PUMP MODEL NO. \_\_\_\_\_

HYDRAULIC FILTER \_\_\_\_\_

HAND CONTROLLER SERIAL NO. \_\_\_\_\_

WHEEL LIFT SERIAL NO. \_\_\_\_\_ MODEL NO. \_\_\_\_\_

CONTROL VALVE MAKE \_\_\_\_\_ NO. OF SECTIONS \_\_\_\_\_

LIFT CYLINDER NO. \_\_\_\_\_

BOOM TELESCOPE CYLINDER NO. \_\_\_\_\_

BOOM TILT CYLINDER NO. \_\_\_\_\_

WHEEL GRID CYLINDER NO. \_\_\_\_\_

WRECKER BOOM SERIAL NO. \_\_\_\_\_ MODEL NO. \_\_\_\_\_

LEFT WINCH MAKE \_\_\_\_\_

WINCH SERIAL NO. \_\_\_\_\_ MODEL NO. \_\_\_\_\_

RIGHT WINCH MAKE \_\_\_\_\_

WINCH SERIAL NO. \_\_\_\_\_ MODEL NO. \_\_\_\_\_

HYDRAULIC MOTOR MAKE \_\_\_\_\_

BOOM LIFT CYLINDER NO. \_\_\_\_\_ LEFT \_\_\_\_\_ RIGHT

BOOM TELESCOPE CYLINDER NO. \_\_\_\_\_

DECK RECOVERY WINCH SERIAL NO. \_\_\_\_\_ MODEL NO. \_\_\_\_\_

WINCH MAKE \_\_\_\_\_

WINCH SERIAL NO. \_\_\_\_\_ MODEL NO. \_\_\_\_\_

HYDRAULIC MOTOR MAKE \_\_\_\_\_

OTHER OPTIONS \_\_\_\_\_

Rev. \_\_\_\_\_

Date \_\_\_\_\_



# JERR-DAN®

1080 Hykes Road Greencastle, PA 17225  
(717) 597-7111

## LIMITED WARRANTY

Manufacturer's Warranty. Manufacturer's sole warranty shall be the following, which Distributor shall make on behalf of Manufacturer by conspicuous notice in writing accompanying each contract or memorandum of sale:

1. Warranty. Jerr-Dan Corporation, ("Manufacturer") warrants each new product made by it to be free from defects in material or workmanship for one year from the date of initial sale, lease, rental, or other disposition of such product, and agrees only to repair or replace at its own expense, f.o.b. the place or places of manufacture, at manufacturer's option, any part or parts of the product found to be defective in material or workmanship, provided Manufacturer is notified of such defect or defects within the one year warranty period and given a reasonable time to correct the defect. In no case, shall the warranty extend to defects in materials, components, or services furnished by third parties. Defects caused by chemical action, or the presence of abrasive materials and defects arising following the operation beyond rated capacity or the improper use or application of any Products shall not be considered defects within the scope of the foregoing warranty. If any repairs or alterations are made or any parts are replaced during the period covered by any warranty above mentioned by other than an authorized Manufacturer's Distributor in accordance with authorized Manufacturer's service manuals or with other than parts, accessories, or attachments authorized by Manufacturer for use in its products, customer shall pay for all such repairs or parts without recourse against Manufacturer, and Manufacturer shall be relieved of responsibility for fulfillment of this warranty with respect to parts or components of all repairs, alterations or replacements so made. No claims for labor shall be considered unless authorized by Manufacturer.

2. Disclaimer as to Consequential or Special Damages. Under no circumstances shall Manufacturer be liable for any consequential or special damage which any person, firm, corporation, or other entity may suffer or claim to suffer or incur or claim to incur as a result of any defect in the product or in any correction or alteration thereof made or furnished by Manufacturer or others. "Consequential" or "special damages" as used herein includes but is not limited to costs of transportation, lost sales, lost orders, lost profits, lost income, increased overhead, labor and material costs and cost of manufacturing variances and operational inefficiencies.

3. Maximum Liability. The maximum liability of Manufacturer under the exclusive warranty set forth herein shall be the amount paid to Manufacturer by the vendor of the component with respect to the product to which such vendor warranty applies.

4. Limitation of Liability. The limitation of liability provisions herein shall apply to any and all claims or suits brought against Manufacturer including any claim based upon negligence, breach of contract, breach of warranty, strict liability or any other theories upon which liability may be asserted against Manufacturer.

Rev. \_\_\_\_\_

Date \_\_\_\_\_

5. Exclusive end Entire Warranty. The warranty constitutes Manufacturer's entire warranty as to the product and it is expressly agreed that the remedies of dealer and those claiming under dealer as stated in this warranty are exclusive. Manufacturer does not assume (and has not authorized any other person to assume on its behalf) any other warranty or liability in connection with any product covered by this warranty.

MANUFACTURER EXPRESSLY DISCLAIMS ANY AND ALL OTHER WARRANTIES OF ANY KIND WHATSOEVER AS TO THE PRODUCT FURNISHED HEREUNDER, INCLUDING BUT NOT LIMITED TO EXPRESS OR IMPLIED WARRANTIES AS TO MERCHANTABILITY, FITNESS FOR PARTICULAR PURPOSES SOLD, DESCRIPTION OR QUALITY OF THE PRODUCT FURNISHED HEREUNDER.

6. Notice of Occurrence. This warranty shall be void if, upon the occurrence of any incident involving any product made by Manufacturer, and resulting in any personal injury or property damage, customer shall fail to notify Manufacturer within 24 hours of such occurrence or permit Manufacturer audit representatives to have immediate access to such product and to all records of and within the control of the customer and/or distributor relating to the product and the occurrence.

7. Filing of Warranty Claim. Upon notifying the Manufacturer of a failure, the Manufacturer or its representative will verbally authorize and confirm by letter the repairs to be made. Verbal authorization will require the following information:

- A) Owner's name and telephone number.
- B) The dealer's name from whom it was purchased.
- C) The Manufacturer's unit serial number.
- D) Telephone number of the party making the repairs.
- E) The part numbers needed to make repairs.
- F) Owner to be informed of C.O.D. on parts (if deemed necessary) to assure the return of the defective parts for manufacturer's evaluation.

At this time, the Manufacturer will ship as soon as practical the parts needed to make the repair. Included with the parts will be the invoice for the parts and a Request for Warranty form, with the Warranty Return Tags.

The vehicle owner/dealer will complete the Request for Warranty form and the Warranty Return Tag marked "Return with Shipping Notice." Both documents should be attached to the shipping notice and returned to the Manufacturer by mail. The parts to be returned shall be tagged with the Warranty Return Tag (more than one part pertaining to the same warranty claim shall be identified with the same warranty claim number- see number on Warranty Return Tag). All parts under this claim shall be returned to the Manufacturer pre-paid for warranty evaluation.

Upon receiving the part or parts for warranty evaluation, the part will be inspected and tested. After being inspected and tested, the decision to honor or deny warranty claim shall be based on analysis of all available information.

When warranty is honored, the Manufacturer, will reimburse the owner/dealer in the amount agreed to by both parties.

If warranty is denied, the owner and distributor will be notified in writing of the decision and a full explanation for the decision will be given.

8. Manufacturer may at any time amend the foregoing form of warranty without prior notice.

Rev. \_\_\_\_\_

Date \_\_\_\_\_



# **JERR-DAN<sup>®</sup>**

1080 Hykes Road Greencastle, PA 17225  
(717) 597-7111

## **LIMITED WARRANTY Coverage and Procedures**

Like our wheel lift and car carrier products, Jerr-Dan warranty programs are designed for the long haul.

Whether you own a wheel lift or car carrier, you are assured that your equipment is of the highest quality, and is covered under this limited warranty.\*

Our one-year unlimited mileage plan is offered for wheel lifts and car carriers. This warranty is designed for the most comprehensive protection of your specific equipment.

### **WHEEL LIFT:**

The Jerr-Dan one-year warranty covers material and workmanship including the following:

- I. Body
- II. Substructure
- III. Wheel lift assembly
- IV. Wrecker boom assembly
- V. Winch and winch components (excluding cable)
- VI. Hydraulics
- VII. Electrical wiring assembly

### **CAR CARRIERS:**

The Jerr-Dan one-year warranty covers material and workmanship including the following:

- I. Deck
- II. Winch and winch components (excluding cable)
- III. Substructure
- IV. Hydraulics
- V. Electrical wiring assembly

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Date \_\_\_\_\_

Procedures for warranty coverage:

1. Contact your selling distributor.
2. If necessary, contact Jerr-Dan for the distributor nearest you-  
Call 1-800-926-9666.
3. If necessary, Jerr-Dan may authorize repair by a qualified  
equipment service center. Under these arrangements, it will  
be necessary to obtain an estimate of repairs before any  
work is performed. Send estimate of repair cost to:

Jerr-Dan Corporation

Warranty Department  
1080 Hykes Road  
Greencastle, PA 17225

Be sure to include your daytime phone number.

4. Authorization for repairs under this limited warranty will be  
provided by telephone within 24 hours of receipt of valid  
warranty claims and confirmed by letter or fax.
5. This outlines the Jerr-Dan One-Year Warranty Plan.  
Coverage does not include damages caused by excessive  
abuse or consequential damages resulting from the lack of  
proper service, maintenance or need for repairs. All plans  
begin at original retail purchase date.

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Date \_\_\_\_\_

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Date \_\_\_\_ \_

MANUFACTURED BY:

DATE OF MANUFACTURE \_\_\_ mo. \_\_\_ Jr.

INCOMPLETE VEHICLE MANUFACTURED BY:

DATE INC. VEH. MFD. \_\_\_ mo. \_\_\_ Jr.

GVWR \_\_\_\_\_

GAWR FRONT \_\_\_\_\_ with  
\_\_\_\_\_ tires,  
\_\_\_\_\_ rims, @ \_\_\_\_\_ psi cold \_\_\_\_\_

GAWR INTERMEDIATE (1) \_\_\_\_\_ with  
\_\_\_\_\_ tires,  
\_\_\_\_\_ rims, @ \_\_\_\_\_ psi cold \_\_\_\_\_

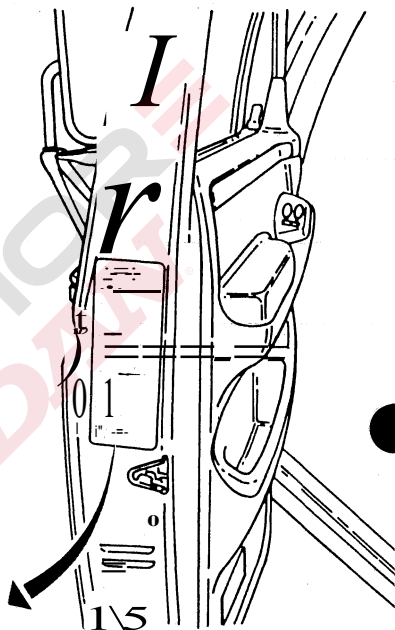
GAWR INTERMEDIATE (2) \_\_\_\_\_ with  
\_\_\_\_\_ tires,  
\_\_\_\_\_ rims, @ \_\_\_\_\_ psi cold \_\_\_\_\_

Conformity of the chassis-cab to Federal Motor Vehicle •Safety Standards, which have been previously fully certified by the incomplete vehicle manufacturer or intermediate vehicle manufacturer, has not been affected by final-stage manufacture. The vehicle has been completed in accordance with the prior manufacturer's instructions, where applicable. This vehicle conforms to all other applicable Federal Motor Vehicle Safety Standards in effect in:

\_\_\_ mo. \_\_\_ Jr.

VEHICLE IDENTIFICATION NUMBER:

VEHICLE TYPE: \_\_\_\_\_



Certification Decal

Rev. \_\_\_\_\_

Date \_\_\_\_\_

## EPG<sup>™</sup> SAFETY (GENERAL)

The safe operation of your EPG<sup>™</sup>, is your responsibility. Read this and the truck manufacturers manuals and thoroughly understand them. we also strongly recommend that the American Automobile Association (AAA) Towing Manuals be used as a reference for operating safety methods. AAA address and phone number:

THE AMERICAN AUTOMOBILE ASSOCIATION  
8111 GATEHOUSE RD  
FALLS CHURCH, VA 22047  
(703) 222-6000

### DO NOT EXCEED THE FOLLOWING RATINGS:

EPG<sup>™</sup> Lift Rating: 3,500 lbs. "L" Arm

Tow Rating: 7,500 lbs.

#### NOTE

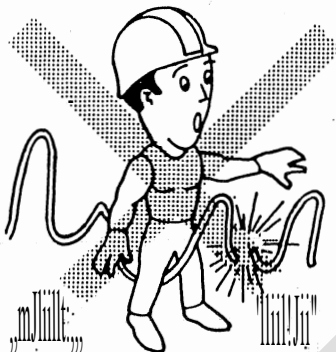
These ratings apply to the structural design of the EPG<sup>™</sup> only and may be limited by the axle rating and gross vehicle weight rating of the truck chassis. CHECK TRUCK MANUAL FOR SPECIFIC GVW & AXLE RATINGS. ALSO REFERENCE THE CERTIFICATION DECAL AFFIXED TO DRIVER'S SIDE DOOR JAMB AND THE S.T.A.R. PLACARD ON THE LOWER BOOM MECHANISM.

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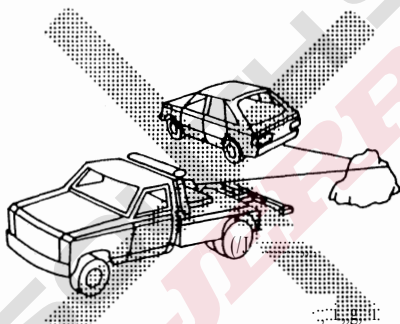
Date \_\_\_ \_

## SAFETY CHAINS MUST BE USED WHEN TOWING AND TRANSPORTING

Safety chains are provided for use with your new Jerr-Dan. Periodically inspect all chains for any signs of fatigue or damage. Don't overlook the "J" hooks; be sure they have not been bent or deformed. If chain or hook damage is noted, tag or mark them and replace them promptly. If your EPG™ is equipped with either deck or boom mounted winches the following general safety procedures must be observed:



- Never stand on or straddle a working cable.
- Be sure of your lift or pull and do not exceed the working strength of the cable or hook.



- Never lift or pull over or around a sharp obstacle.



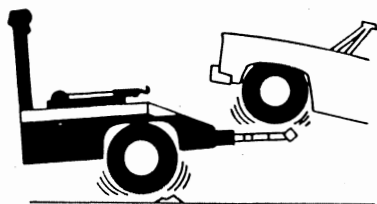
- Always be sure that a minimum of five (5) wraps of cable are on the drum.

Rev. \_\_\_\_\_

Date \_\_\_\_\_

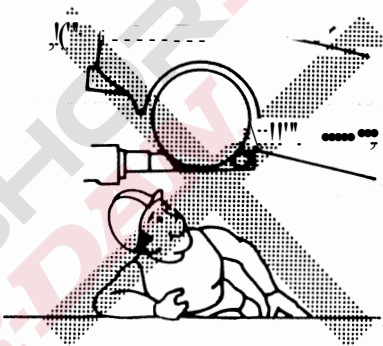
## LIFT SAFETY

Never attempt to lift a vehicle into towing position without first installing the hold down straps. Never make a lift or movement while close to or under the vehicle being lifted!



ALWAYS USE JACK STANDS TO SUPPORT THE VEHICLE IF IT IS NECESSARY TO WORK UNDER IT.

Many states require that the towed vehicle be secured to the wrecker body with safety chains. Check your local regulations and use your safety chains. Safety chains are provided for use with your new JERR-DAN.



Your EPG™ can make pickups quickly and easily. DON'T FORGET TO INSTALL STEERING WHEEL STRAPS before towing the vehicle.

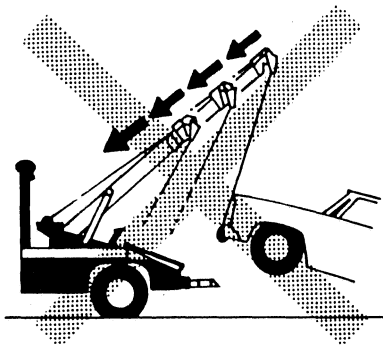
Magnetic towing lights are required in many areas and are always recommended for safe tows.

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Date \_\_\_\_\_

## BOOM SAFETY

If your EPG™ is equipped with an optional wrecker boom the following safety procedures must be observed:



- Avoid using the boom raise or boom up control to lift a load. This causes undue stress and weight loading on the rear axle. Use the winch to lift the load.
- Avoid making lifts with the boom in the vertical position whenever possible.
- Never retract the boom extension while under load.
- All boom placement functions should be made with the winch cables set in "free spool" to avoid over tensioning or breaking the winch cables.

- Jog the winch control lever and visually verify to be sure of complete engagement of the drive gears before making a lift or pull.
- Take up the winch cable slowly and be sure the hook is securely set.



- Never make a lift or pull with the cable attached to light gauge or sheet metal parts; use the frame or major structural members.
- Never allow the cable to cross wrap (criss-cross) on the take up drum.

Be sure all brakes and locks are properly set on the vehicle.

- Never wrap the cable around frames or cross members. Use chains and hook the cable to the chains.
- Never use the winch or boom to lift people!

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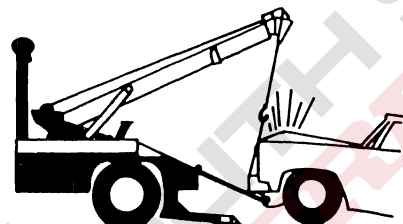
Date \_\_\_\_\_

- **Never use cable menders.** Periodically Inspect the entire cable for wear and corrosion. Replace with similar rated cable and hooks.
- Lubricate and maintain both the cable and winch on regular intervals. (See maintenance charts.)

## SLING SAFETY

If your EPG™ is equipped with the optional tow sling certain safety precautions must be taken to insure safe operation. Consult the AAA Towing Manual for the make and model of the vehicle to be towed.

- Hook up and make the lift in strict accordance with AAA's Instructions.
- Be sure the skid plate and tow sling are placed under the vehicle far enough to insure the vehicle weight will ride on the rubber belts.
- Be sure the chains and hooks are attached to frame members and not sheet metal.



- Never attach the chain hooks in such a way as to damage brake lines or other functional parts.
- Be sure the chains are wrapped and secured around the bottom bar of the sling.
- Never make a front lift without unlatching the hood of the vehicle.
- The Bottom Anchor Assembly (round tube) must never be higher than the attachment point on the rear of the EPG™. The Stand Off Bar Assembly acts as a pivot in the event of a sudden stop. This will assure that the damaged vehicle will not catapult forward onto the deck of the Jerr-Dan.

Rev. \_\_\_\_\_

Date \_\_\_\_\_

# OPERATOR'S PRE-TRANSPORT CHECKLIST , A CAUTION , A

REVIEW THIS CHECKLIST BEFORE EACH TOW. FAILURE TO FOLLOW THESE INSTRUCTIONS MAY RESULT IN SERIOUS INJURY OR DEATH.

## WHEEL LIFT - PRE-TRANSPORT CHECKLIST:

- 1. READ ALL WARNINGS ON EQUIPMENT AND CONTROLS.
- 2. DO YOU HAVE TIRING, CLEARANCE FOR TOWED VEHICLE?
- 3. ARE BOTH WHEEL LIFT TIE DOWN STRAPS INSTALLED?
- 4. ARE BOTH SAFETY CHAINS ATTACHED FROM TOWING VEHICLE TO TOWED VEHICLE?
- 5. IS THERE SUFFICIENT GROUND CLEARANCE FOR TOWED VEHICLE?
- 6. IS THE WHEEL LIFT RETRACTED AS CLOSE AS POSSIBLE TO COUNTRY HAIL WEIGHT DISTRIBUTION?
- 7. IS THE WHEEL LIFT EXTENDED AT LEAST 10" INJUNCTION CROSSBAR PIVOTING?
- 8. ARE AUXILIARY TOWING LIGHTS ATTACHED TO TOWED VEHICLE?
- 9. DO NOT OVERLOAD. SEE LOAD RATING PLACARD ON UNIT. STOP VEHICLE AT ONCE IF REARRANGE LOAD IF YOU FEEL FRONT OF TRUCK FEELS LIGHT OR BOUNCES EXCESSIVELY OR IF STEERING FEELS EXCESSIVELY LIGHT. LOSS OF VEHICLE CONTROL CAN RESULT FROM AN OVERLOAD AND CAN CAUSE A SERIOUS ACCIDENT.

## VEHICLE FLOW SLINGS - PRE-TRANSPORT CHECKLIST:

- 1. IF CHAINS SECURED PROPERLY AROUND H-E AXLE OR THE FRAME OF THE TOWED VEHICLE.
- 2. ARE CHAINS SECURELY FASTENED IN THE HOOKS OF SAFETY APPEND ON EACH SIDE OF THE SLING COTTON BAR ASSOCIATED.
- 3. ARE BOTH SAFETY CHAINS ATTACHED TO TOWING TRUCK TO TOWED VEHICLE?
- 4. IS THERE SUFFICIENT GROUND CLEARANCE FROM TOWED VEHICLE?
- 5. IS TOW SLING ASSOCIATED IN A BELOW THE MIDDLE POSITION TO PREVENT RIDING UP?
- 6. ARE AUXILIARY TOWING LIGHTS ATTACHED TO TOWED VEHICLE?
- 7. DO NOT OVERLOAD TOWED VEHICLE.

0. EQUIPMENT ITEM - DAN A-7

## & WARNING A

A MINIMUM OF 5 WRAPS OF CABLE MUST BE LEFT ON DRUM TO ACHIEVE RATED LOAD OF 8,000 LBS. NOT TO BE USED IN THE MOVING OR LIFTING OF PERSONS.

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| WRECKER BOOM                                |      |
|---------------------------------------------|------|
| SERIAL NO.                                  |      |
| MODEL NO.                                   |      |
| BOOM RATINGS (MAXIMUM)                      |      |
| EXTENDED                                    | LBS. |
| RETRACTED                                   | LBS. |
| WINCH RATING                                |      |
| EACH DRUM                                   | LBS. |
| WIRE ROPE                                   |      |
| WORKING LIMIT                               |      |
| READ OPERATOR'S MANUAL FOR FAMILIARIZATION. |      |
| MA-DAN CORPORATION                          |      |
| 1080 HYKES ROAD                             |      |
| GREENCASTLE, PA 17225                       |      |
| 1-800-926-9666                              |      |

| MANUFACTURED BY:                                                                                                                                                                                                                           |                                      |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|
| JERR-DAN CORPORATION                                                                                                                                                                                                                       |                                      |
| 1080 HYKES ROAD                                                                                                                                                                                                                            |                                      |
| GREENCASTLE, PA 17225                                                                                                                                                                                                                      |                                      |
| 1-800-926-9666                                                                                                                                                                                                                             |                                      |
| BODY NO.                                                                                                                                                                                                                                   | WHEEL LIFT NO.                       |
| SERIAL NO.                                                                                                                                                                                                                                 | BOOM NO.                             |
| TOW RATING:                                                                                                                                                                                                                                | LBS. (MAXIMUM)                       |
| WHEEL LIFT CAPACITY:                                                                                                                                                                                                                       | LBS. (L-ARMS)                        |
|                                                                                                                                                                                                                                            | LBS. (FRAME FORKS)                   |
| NOTE: LIFT CAPACITY INDICATES THE STRUCTURAL CAPACITY OF THE LIFT MECHANISM, NOT THE MAXIMUM EFFECTIVE TRANSPORT LOAD.                                                                                                                     |                                      |
| TRUCK CHASSIS INFORMATION                                                                                                                                                                                                                  |                                      |
| VIN.                                                                                                                                                                                                                                       | C.A.                                 |
| REAR AXLE WEIGHT RATING (GAWR):                                                                                                                                                                                                            | LBS.                                 |
| THE MAXIMUM EFFECTIVE TRANSPORT LOAD OF THIS UNIT BASED ON TRUCK CHASSIS G.A.W.R. AND G.V.W.R. SPECIFICATIONS                                                                                                                              |                                      |
| DO NOT EXCEED THE FOLLOWING WEIGHTS                                                                                                                                                                                                        |                                      |
|                                                                                                                                                                                                                                            | LBS. AT FULL EXTENSION (L-ARMS)      |
|                                                                                                                                                                                                                                            | LBS. AT 10' EXTENSION (L-ARMS)       |
|                                                                                                                                                                                                                                            | LBS. AT FULL EXTENSION (FRAME FORKS) |
|                                                                                                                                                                                                                                            | LBS. AT 10' EXTENSION (FRAME FORKS)  |
|                                                                                                                                                                                                                                            | LBS. (TOW SLING/BAR)                 |
| LOSS OF VEHICLE CONTROL, WHICH COULD RESULT IN SERIOUS BODILY INJURY OR DEATH, CAN OCCUR IF THE EFFECTIVE TRANSPORT LOAD IS EXCEEDED.                                                                                                      |                                      |
| MAXIMUM EFFECTIVE TRANSPORT LOAD IS AFFECTED BY THE CHASSIS ON WHICH THE TOWING EQUIPMENT IS INSTALLED. BEFORE ATTEMPTING TO USE THIS EQUIPMENT ON A CHASSIS OTHER THAN THAT SPECIFIED ABOVE, CONTACT JERR-DAN TO OBTAIN A REVISED RATING. |                                      |
| SAFETY IS NO ACCIDENT. REVIEW OPERATOR'S PRE-TRANSPORT CHECKLIST ON THE VEHICLE AND IN THE OPERATOR'S MANUAL EACH TIME YOU MOVE A VEHICLE. FOLLOW ALL INSTRUCTIONS ON CONTROLS AND UNIT.                                                   |                                      |
| COPYRIGHT 1998 JERR-DAN CORPORATION                                                                                                                                                                                                        |                                      |

## & WARNING &

MOVING PARTS  
KEEP HANDS AND FEET CLEAR  
OF THIS AREA

031

## & WARNING &

VEHICLE MUST BE SECURED  
TO WHEEL GRID USING BOTH TIE DOWN  
STRAPS PRIOR TO LEAVING LOADING SITE.

036

## & WARNING &

TOWED VEHICLE MUST BE  
CONNECTED TO TOW TRUCK BODY  
WITH SAFETY CHAINS

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## SAFETY WARNING DECALS

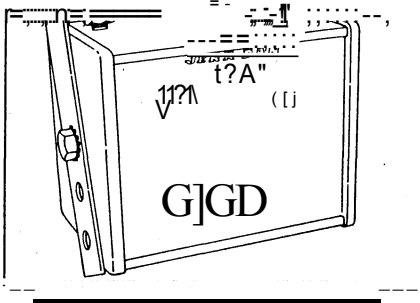
As an extra safety precaution, your EPG™ has specific safety and warning decals affixed to prominent locations. These decals must not be obliterated, removed or painted over. They are there to remind and protect the operator.

Rev. \_\_\_\_\_

Date \_\_\_\_\_

# WHEEL LIFT OPERATION

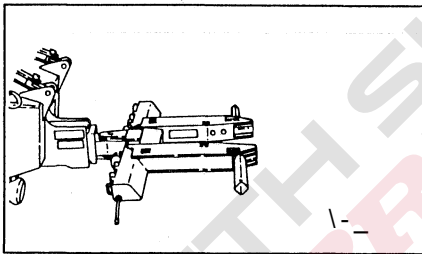
Your EPG™ is one of the most useful and efficient towing and recovery vehicles available. It is hydraulically powered and careful consideration should be given to the selection of commands. You can afford to work smart, the vehicle will do most of the work for you. Our unique design doesn't require you to crawl under the disabled vehicle...SO DON'T!



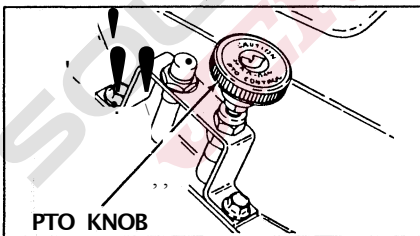
Follow these simple steps:

1. Turn on the safety and work lights. (Switches located on panel under the dash.) If the wired hand controller is going to be used the AUX. switch must be turned "ON."
2. Position the truck within three (3) to four (4) ft. of the subject vehicle and as close to the direction of the pull as possible.

Set the truck's parking brakes.

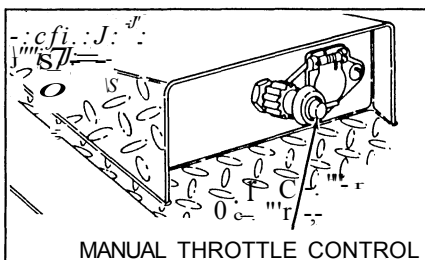


43. Engage the power take-off (PTO) by pulling on the control lever. See PTO operator's manual. NEVER TRAVEL WITH THE POWER TAKE-OFF CONTROL ENGAGED. This could result in damage to the PTO unit and the truck transmission.



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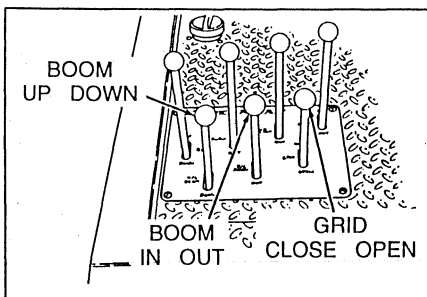
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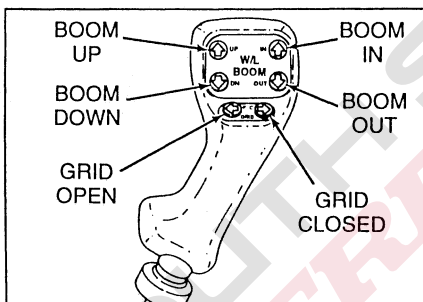
5. Adjust the electronic or manual throttle control to elevate the engine speed to approximately 1200-1400 R.P.M. for optimum performance.

**CAUTION:**

Never exceed 1,500 R.P.M. When your hook up is complete, reset the engine idle to normal.

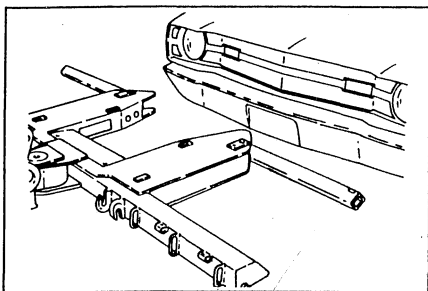


6. Confirm the truck's position in relation to the vehicle to be towed. Three (3) to four (4) feet is recommended. Reposition the EPG™ if necessary. Be sure the towed vehicle is not in gear or park. Keep the brake set.



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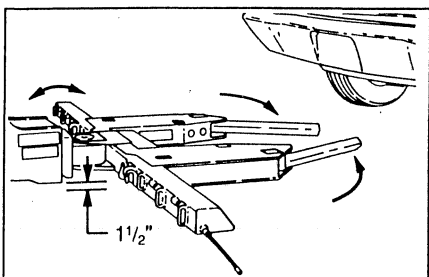


7. Lower the lift arm to about 1-1/2" from the ground and swing the cross bar parallel to the tires.

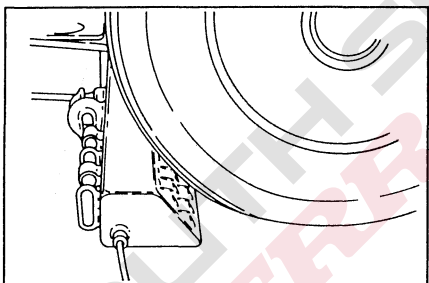
8. Open the grid arms so that they are perpendicular to the cross bar.

#### NOTE

If lift arm is higher than 6" from the ground, the grid arms will not open when using the wired hand controller.

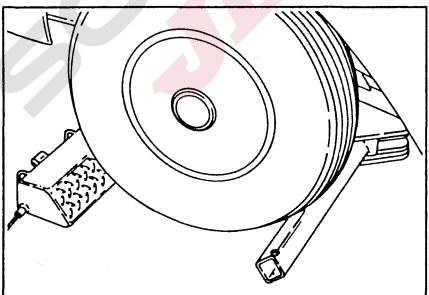


9. Extend the lift arm under the vehicle being sure that all under carriage parts are cleared and that the front portion of the grid is in contact with both tires. Lower the grid fully to the ground. There is no reason for the operator to get under the vehicle.



10. Visually Inspect the tire to grid contact before proceeding.

11. Close the grid arm around the towed vehicle's tires. Make sure that the arm is fully closed and in its over center locked position.



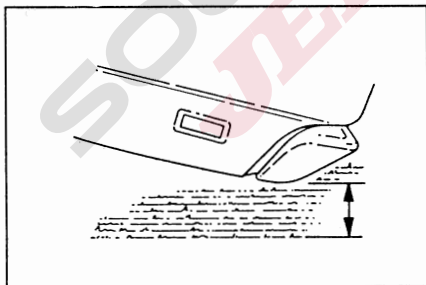
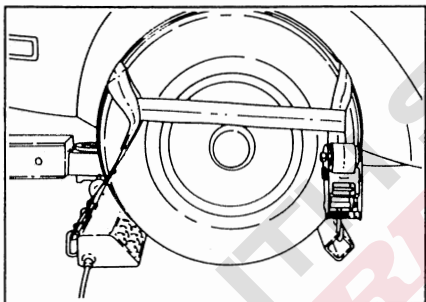
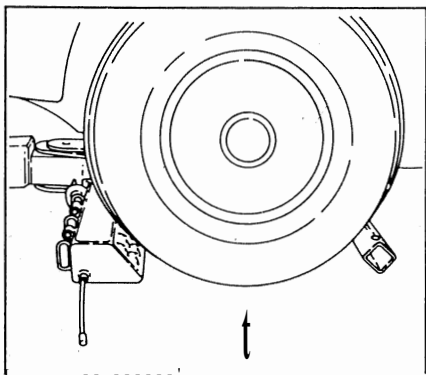
12. After securing the grid arm around the towed vehicles tires and before making the actual lift, check to be sure the towed vehicle's parking brake is released, the transmission is in neutral, and the wheels are straight.

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### **NOTE**

If vehicle to be towed is on a slope, do not release the brake until the tie down straps are installed. Observe the wheels in the grid for any slippage.

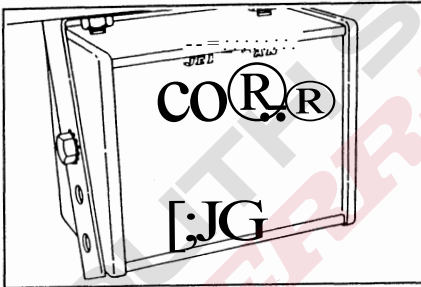
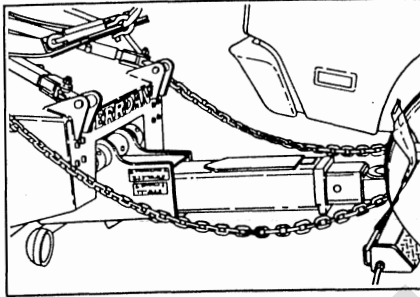
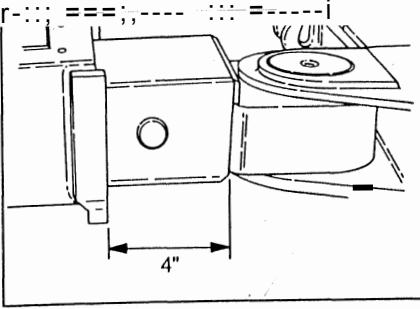


13. It is recommended that the steering wheel be secured by a steering wheel strap for any tow.
14. Lift the vehicle high enough to allow tires to clear ground.
15. Remove the tie down straps from tool boxes and attach the tie down straps. (See Tie Down Strap instructions.)
16. With the straps in place, the vehicle in neutral and the parking brake released, you can move the vehicle safely up, down, in or out. All of these movements are hydraulically controlled.
17. Raise the vehicle into the final towing position observing the far end for sufficient ground clearance. It is possible to set the rear of a front lifted vehicle completely onto the ground, causing damage. Take irregular road surfaces into consideration. Observe the lift function from the side and away from both vehicles if possible.

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18. Power retract the grid boom until the towed vehicle is about three (3) to four (4) feet from the back of the truck. Leave enough room to maneuver around corners without corner binding or causing contact between the two (2) vehicles. Be sure that the fly boom is extended at least 4" from the middle boom section to insure unobstructed crossbar pivoting.

19. Be sure to maintain sufficient clearances with the bottom of the towed vehicle.

20. Attach the safety chains and magnetic towing lights.

21. If the wired hand controller was used, turn the AUX. switch "OFF". (Switch is located on panel under dash.)

**CAUTION:**

When using the wired hand controller, never transport a towed vehicle without using the tie down straps.

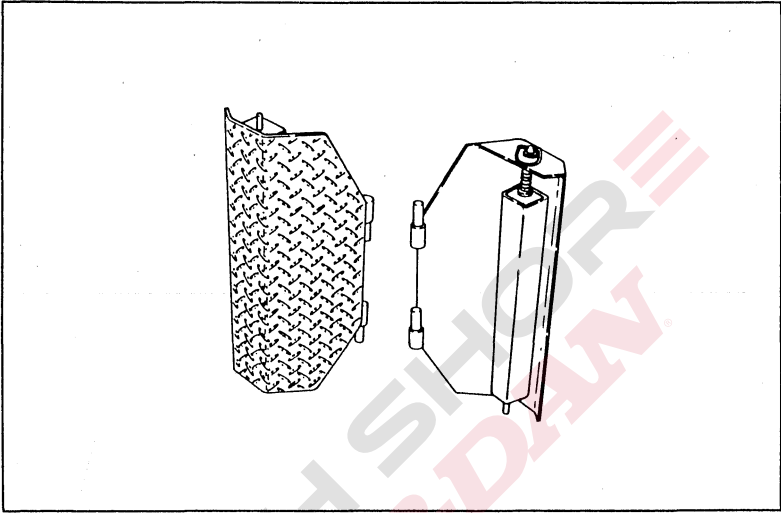
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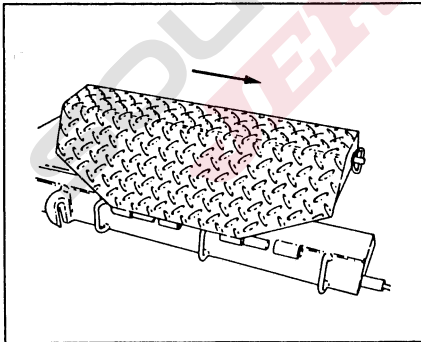
## WHEEL GRID SPACERS

The EPG™ is supplied with a set of removable wheel grid spacers. They are to be used for loading and transporting vehicles with small diameter tires on the wheel lift grid. The spacers can also be used for vehicles that have low under body/ground clearance, and need to set higher in the wheel

A  
W,



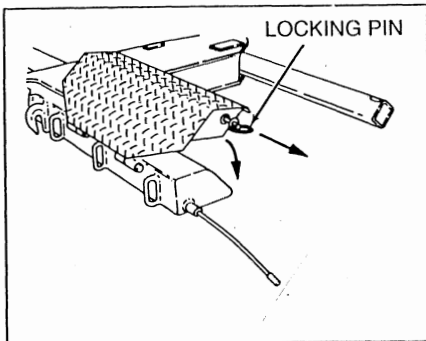
### USING THE WHEEL GRID SPACERS



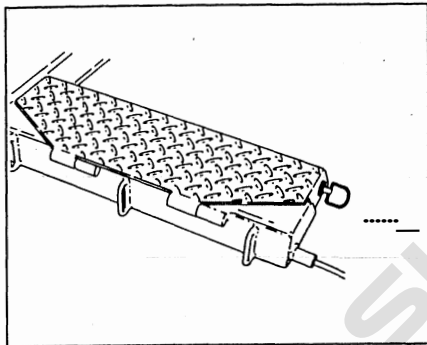
1. Slide the pins on the wheel grid spacer into the bushings on the wheel grid. Be sure that the locking pin handle is toward the outside.

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2. Pull out on the locking pin and pivot the wheel grid spacer down into position on the wheel grid.



3. Release locking pin to lock wheel grid spacer into position.

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Both the L.H. and R.H. wheel grid spacers should be used at the same time unless special loading conditions such as flat tires exist.

# II

### CAUTION

Spacers should not be used on large diameter tires or contact will not be maintained.

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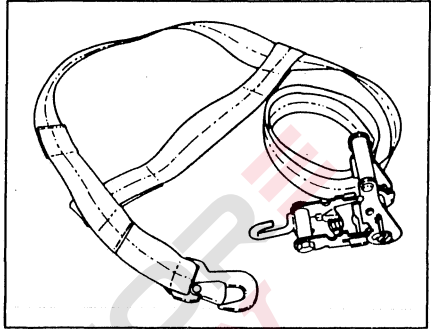
# TIE DOWN STRAPS

The EPG™ is supplied with a set of high strength polyester web tie down straps. They are to be used to secure wheels of the towed vehicle to the wheel lift grid. NEVER TOW A VEHICLE WITHOUT THE TIE DOWN STRAPS INSTALLED.

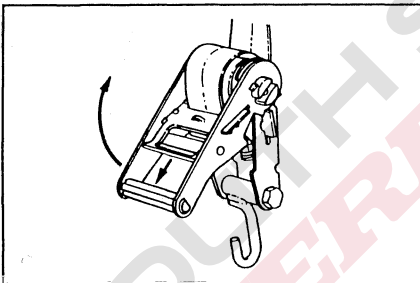
The tie down strap assembly is comprised of two (2) basic components:

1. The Strap
2. The ratchet spool mechanism

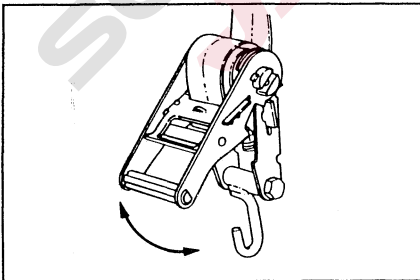
The following steps should be followed to properly install the tie down straps:



## USING THE RACHET SPOOL MECHANISM



1. First the spool must be set into "free spool". This is done by pulling the lock bar out and swinging the handle upward until it rests in the free spool notch and then simply pulling out the amount of strap required to fit over the tire.

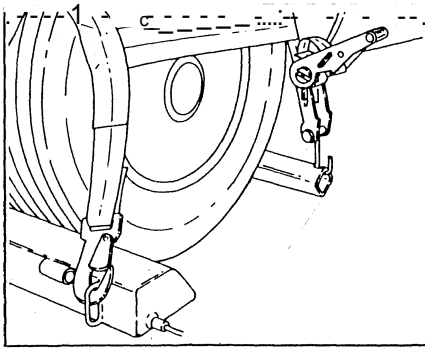


2. Now pull on the lock bar and move it downward until it engages the ratchet teeth on the take up spool. By pushing and pulling the handle up and down, the strap will be wound onto the spool.
3. To release the ratchet, simply pull on the locking bar, disengaging the teeth and raise the handle to the "free spool" position.

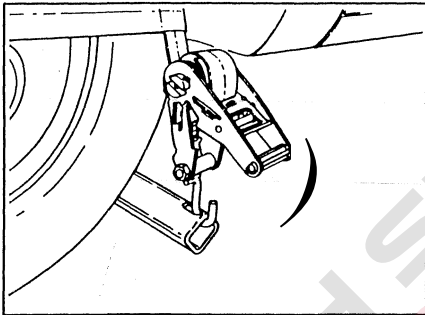
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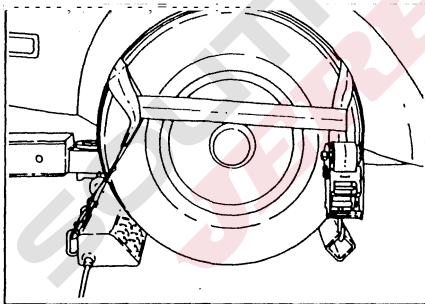
## INSTALLING THE TIE DOWN STRAP



1. With the vehicle lifted just barely off the ground, attach the strap to the wheel grid.



2. Set the ratchet spool in "free spool" position and pull the webbed strap out and form a loop which will wrap around the tire. Be sure the loop is over approximately  $\frac{1}{3}$  of the tire.



3. Take up the slack in the strap by ratcheting the takeup spool arm. Continue until the tires show some compression.

4. Raise the wheel grid to the towing position. RE-TIGHTEN THE RACHET PERIODICALLY AS TIRE SETTLES IN GRID FROM TOWING.

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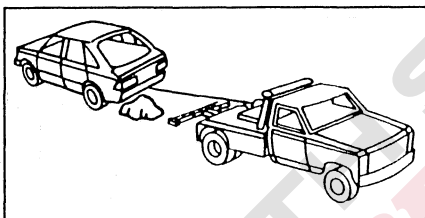
# RECOVERY WINCH OPERATION

The EPG™ deck mounted winch is an extremely effective tool in recovery or retrieval prior to lifting and towing. To operate the winch effectively, care and thought must be given.

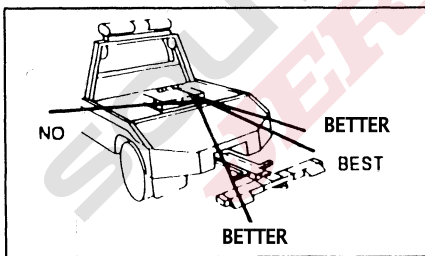
|                        |                                       |
|------------------------|---------------------------------------|
| Winch Rating:          | 8,000 lbs.                            |
| Cable Specifications:  | .375 x 100 ft.; 6 x 37 IPS fiber core |
| Working Limit (cable): | 3,150 lbs.                            |

## WARNING:

Do not exceed the working limit of the cable. Use snatch blocks and multiple lines to reduce the load on the cable.



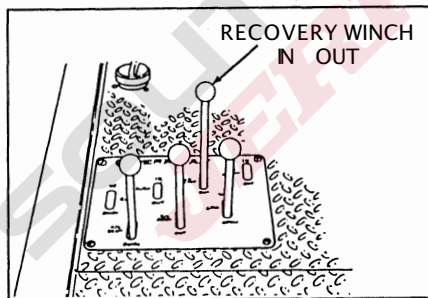
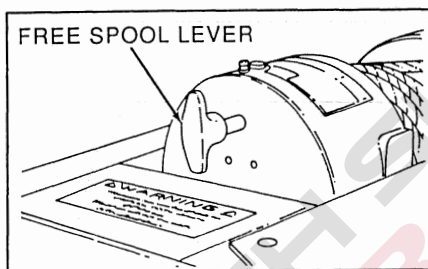
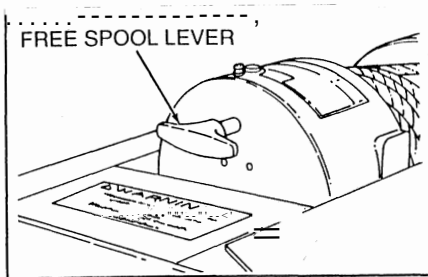
1. Check the direction you wish the work to travel, being sure there are no major obstacles in the way.



2. Position and align the truck to obtain as direct a pull as possible. Straight line pulls are the best and most efficient.
3. Set the brakes on your Jerr-Dan unit. If the pull will be a heavy one, the use of scotch blocks is recommended.

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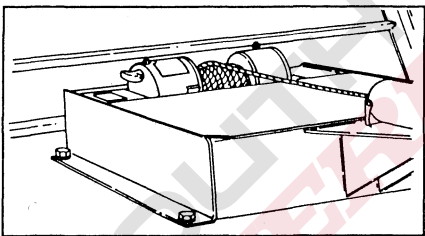
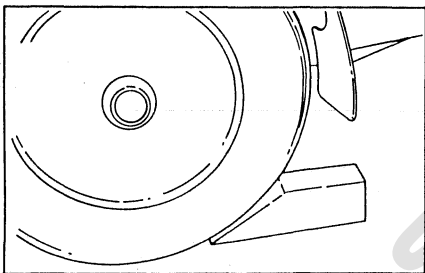
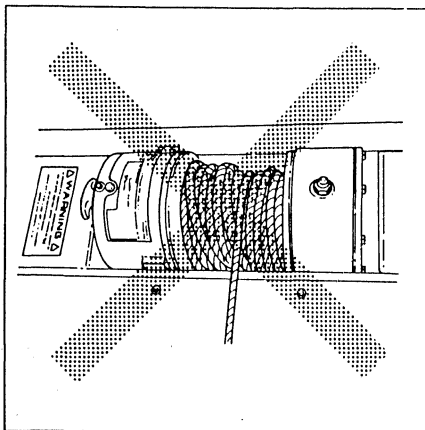
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4. Release the free spooling lever on the winch by pulling and turning the handle go<sup>o</sup>. **Never pull this handle while the cable is under load!** This allows the cable to be pulled directly off the spool to the work. Return to the cable spool and be sure that at least five (5) wraps of cable remain on the spool.
5. Attach the chain sling, hook or cable and hook securely to the work. Be sure of this hook up; you don't want it breaking loose during the pull. (See the safety sections earlier in this manual.)
6. Re-engage the winch drive by turning the handle back go<sup>o</sup>. It should retract cleanly. Jog the winch control lever to confirm engagement. Now slowly take up the cable slack by moving the control lever in the direction you wish the load to move.

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7. With the cable tight, slowly bring it in, observing both the work and the cable drum. Be sure the cable strands do not cross wrap or criss-cross on the drum. Observe the path the work must travel for snags or obstructions which could stall the work movement and overload the cable.

8. Once the work is in the desired position use blocks or tie the work down if there is any question about stability. Slowly reduce the cable tension by moving the control toward the rear. After enough cable has been unwound, you may remove the hookup.

9. Now slowly retrieve the cable, carefully winding the cable onto the spool. Many operators take this opportunity to do a visual inspection. When you've finished respooling the cable, be sure you don't over-wind it. Always wear safety glasses and gloves when doing recovery work or handling the winch cable.

Remember, most cable failures are caused by the operator underestimating the pull or overestimating the cable strength.

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## WRECKER BOOM OPERATION

The wrecker boom is probably one of the most useful accessories you can put on your EPG™. It allows the operator to perform lifting and retrieval tasks that cannot be performed in any other way. Safe operation of the wrecker boom demands knowledge of the controls and the boom functions. Review the boom safety section of this manual and **USE CAUTION AND GOOD JUDGEMENT!**



Position the truck to best take advantage of the leverage the boom affords. A vertical lift is the best and most efficient, so attempt to place the boom over the work. This reduces the chance of the work breaking free and swinging during the lift. Place the truck as close as possible to the work. A shorter boom extension will result in less rear axle loading. When pulling, align the truck with the work so that the direction of pull is in line with the length of the truck. If the front wheels of the truck raise completely from the ground,

Stop! And Re-Rig.

**STOP!**



### SINGLE WINCH OPERATION

If your Jerr-Dan Wrecker Boom Is of the single winch design, then it has the following ratings:

#### H408S Boom Rating (Horizontal)

|                       |                                       |
|-----------------------|---------------------------------------|
| Fully Extended:       | 2,500 lbs.                            |
| Fully Retracted:      | 8,000 lbs.                            |
| Winch Rating:         | 8,000 lbs.                            |
| Cable Specifications: | .375 x 100 ft.; 6 x 37 IPS fiber core |
| Working Limit:        | 3,150 lbs.                            |

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## 08085 Boom Rating (Horizontal)

|                       |                                       |
|-----------------------|---------------------------------------|
| Fully Extended:       | 7,000 lbs.                            |
| Fully Retracted:      | 18,500 lbs.                           |
| Winch Rating:         | 8,000 lbs.                            |
| Cable Specifications: | .375 x 100 ft.; 6 x 37 IPS fiber core |
| Working Limit:        | 3,150 lbs.                            |

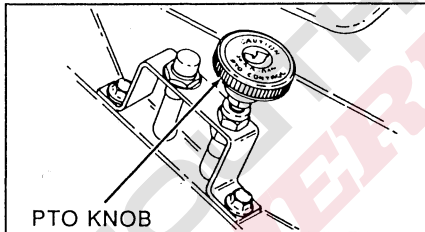
### WARNING:

Do not exceed the working limit of the cable. Use snatch blocks and multiple lines to reduce the load on the cable.

These ratings are supplied for day to day reference. See rating placard affixed to side of wrecker boom base for the ratings of your particular wrecker boom. The operator must be sure he knows and understands this information before placing the boom into service.

When making a heavy lift or pull with the wrecker boom, the following steps must be taken:

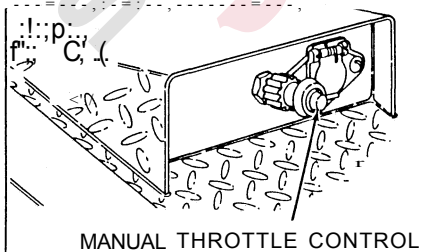
1. Position the truck as close as possible to the work.



2. Engage the Power Take Off (PTO). See PTO operator's manual for instructions.

--OR--

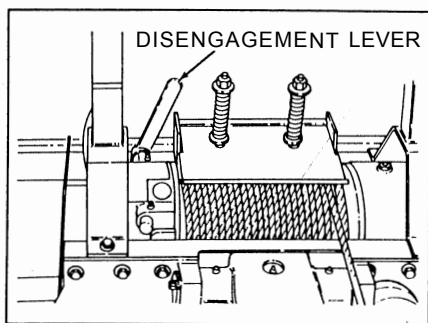
Engage the clutch pump by activating the switch located under the dash.



3. Set the vehicle brakes.
4. Dismount from the truck cab and confirm that the truck is positioned properly and rests on firm ground.
5. Adjust the electronic or manual throttle control to elevate the engine speed to approximately 1200-1400 R.P.M. for optimum performance.

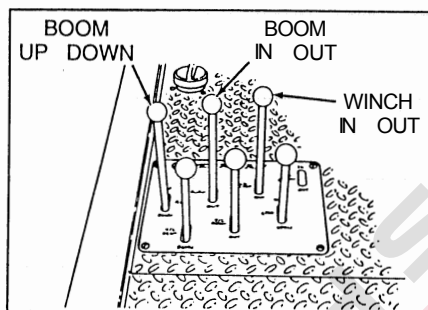
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6. If the pull will be a heavy one, the use of scotch blocks is recommended.



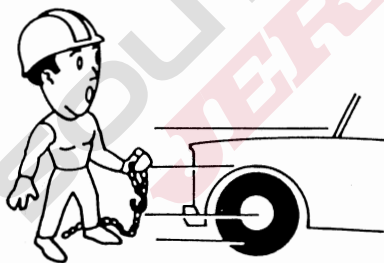
7. Set the boom winch into "free spool" using the disengagement lever. Moving the boom head with the cable locked can result in damage to both the cable and boom.

8. Position the boom head by using the boom up and down lever and the boom in and out lever.



9. Unwind enough cable to make the hook-up, being sure that a minimum of five (5) wraps of cable remain on the cable drum.

10. Re-engage the winch and slowly take up the slack in the cable. Check all hooks and chains for possible slippage before continuing the lift or pull. As the cable is retrieved, be sure it doesn't criss-cross on the spool.

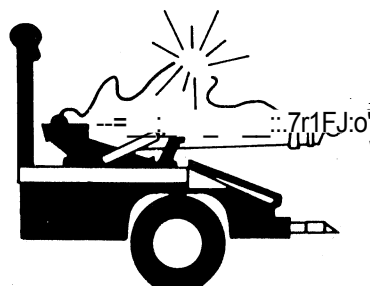


11. Complete the lift or pull being sure the work is placed in a stable location where it won't slip or roll. If there is any question about stability, use blocks or tie the work down before removing cables and chains.

12. Unwind enough cable to remove the hooks or chains and remove them carefully. Avoid straddling the cable.

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13. Respool the cable, and take this opportunity to inspect it for damage.

14. Retract the boom and lower it to the normal (horizontal) position and carefully snug up any loose cable.

. a

### CAUTION:

Don't stress the cable by over retrieving or tightening.

## DUAL WINCH OPERATION

If your EPG™ is equipped with a dual winch wrecker boom, then it has the following ratings:

### 0808D Boom Rating (Horizontal)

|                       |                                       |
|-----------------------|---------------------------------------|
| Fully Extended:       | 7,000 lbs.                            |
| Fully Retracted:      | 18,500 lbs.                           |
| Winch Rating:         | 8,000 lbs.                            |
| Cable Specifications: | .375 x 100 ft.; 6 x 37 IPS fiber core |
| Working Limit:        | 3,150 lbs.                            |

### WARNING:

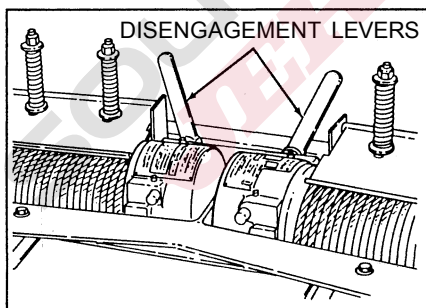
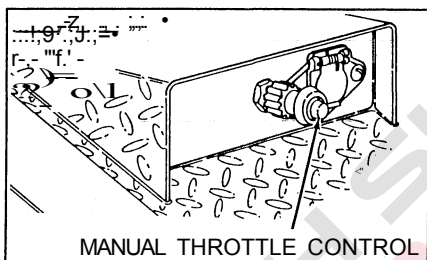
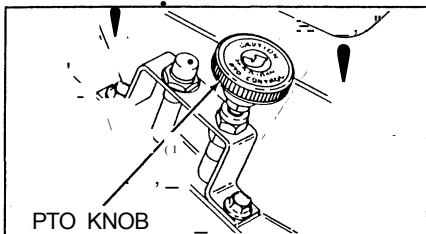
Do not exceed the working limit of the cable. Use snatch blocks and multiple lines to reduce the load on the cable.

These ratings are supplied for day to day reference. See rating placard affixed on side of wrecker boom base for the ratings of your particular wrecker boom. The operator must be sure he knows and understands this information before placing the boom into service.

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When making a heavy lift or pull with the wrecker boom, the following steps should be taken:



1. Position the truck as close as possible to the work.

2. Engage the Power Take Off (PTO). See PTO operator's instruction manual.

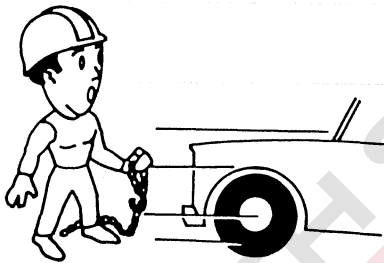
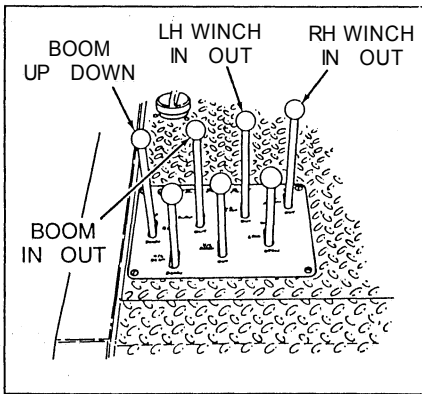
•-OR-

Engage the clutch pump by activating the switch located under the dash. Adjust the electronic or manual throttle control to elevate the engine speed to approximately 1200-1400 rpm for optimum performance.

3. Set the vehicle brakes.
4. Dismount from the cab and confirm that the truck is positioned properly and rests on firm ground.
5. If a heavy lift or pull is to be made additional cable lines may be necessary. Always use more stabilizing lines than pull lines. RIG FOR SAFETY. The use of scotch blocks is also recommended.
6. Set both boom winches into "free spool" using the disengagement levers. Moving the boom head with the cable locked can result in damage to both the cables and the boom. Be sure both winches are free spooling.

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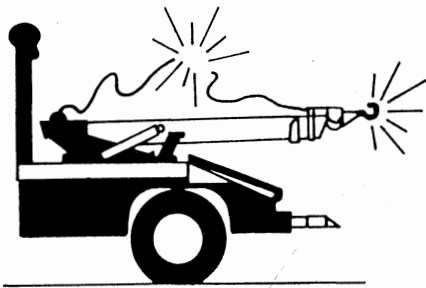


7. Position the boom head by using the boom up and down lever and the boom in and out lever.
8. Unwind enough cable to make the hook-up being sure that a minimum of five (5) wraps remains on the cable drums.
9. Make the hook-up in such a way as to afford an even pull on both cables. Over stressing one cable can happen if care isn't taken in hook placement. Hydraulically driven winches will not automatically work in unison. Manually control each winch to insure cables are stressed evenly.
10. Re-engage the winch and slowly take up the slack in the cables. Inspect the hook-up points for slippage before continuing the lift or pull. As the cable is retrieved, be sure it doesn't criss-cross on the spool.
11. Complete the lift or pull being sure the work is placed in a stable location where it won't slip or roll. If there is any question about stability, use blocks or tie the work down before removing cable and chains.
12. Unwind enough cable to remove the hooks or chains and remove them carefully. Avoid straddling the cable.
13. Respool both cables and take this opportunity to inspect them for damage.

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14. Retract and lower the boom to normal horizontal position and carefully snug up any loose cable.

**CAUTION:**

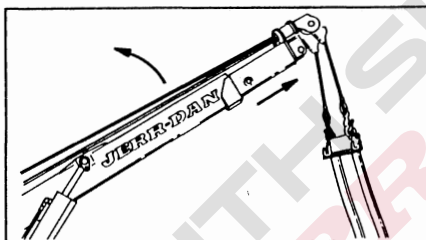
Don't stress the cable by over retrieving or tightening.

## SLING OPERATION

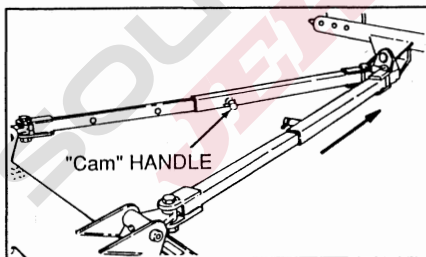
Sling Ratings (50 M.P.H. Transport Speed)

|                  |            |
|------------------|------------|
| Single Line Boom | 3,150 lbs. |
| Dual Line Boom   | 4,000 lbs. |

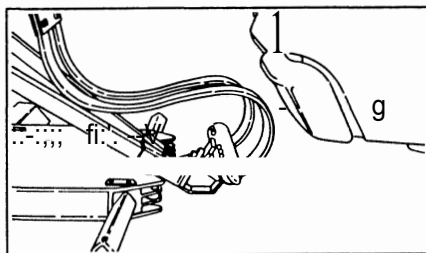
If your EPG™ is equipped with a towing sling, consult the AAA Towing Manual for hook up and follow these steps:



1. Raise the wrecker boom to approximately 45° and telescope out to allow for working clearance.
2. Lower the lift grid to 1 1/2" from the ground.



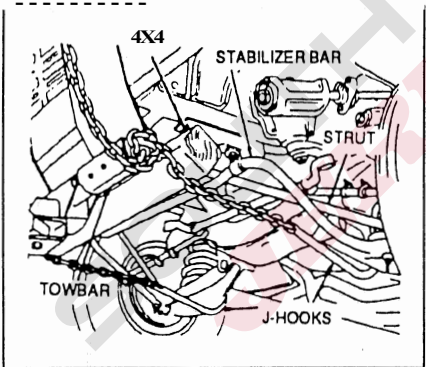
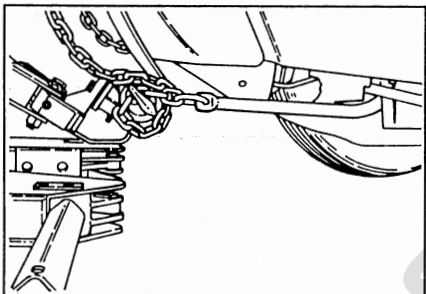
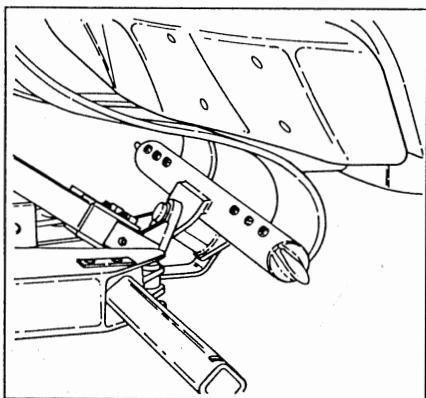
3. Lower the sling assembly to horizontal using the winch. Rotate the "CAM" handles on the stand off bars 90°. Pull the stand off bars to their full extension.



4. Lower the tow sling on the skid plate so that it will easily clear the bottom of the vehicle.

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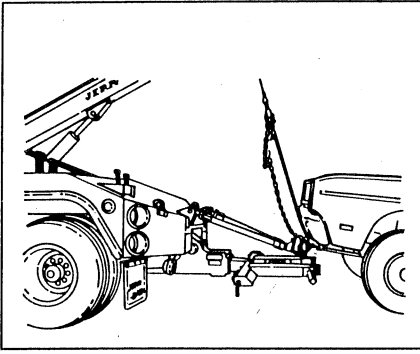
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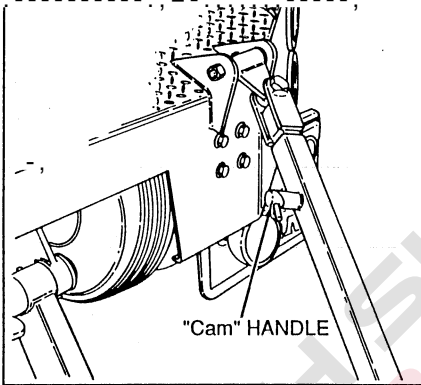
5. Maneuver the sling under the vehicle to be towed, far enough under so the vehicle will ride on the rubber belts.
6. The chain J hooks must be secured firmly around the axle or the frame of the towed vehicle. When fastening the J hook, be sure that it is attached to the towed vehicle in such a manner as to prevent any damage to the brake lines or other functional parts of the vehicle. With the chain securely fastened in the hook on each side of the bottom bar assembly, the chain should then be wrapped around the bottom bar. Secure the remaining chain to the hook at the top of the tow sling.
7. In using the tow sling with late model vehicles it may be necessary to use spacer blocks or a cross beam in order to get sufficient height to prevent any damage to body parts. The AAA Towing Manual will diagram this.
8. Be sure the fuel tank is not in contact with the sling or towing mechanism. The fuel tank must not support any weight whatsoever.

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9. Raise the vehicle using the wrecker boom winch. (Read the safety and operating Instructions for the boom and winch before-hand.) The vehicle should be raised until the wheels are a minimum, of ten Inches off the ground. Observe the opposite end of the vehicle for ground clearance.



10. When using Dual Winch Boom insure that both cables are retracted with equal tension.
11. Retract the boom slowly drawing the vehicle forward until the stand offs are fully retracted. Relock the "CAM" handles for traveling by turning 90° to the closed position.
12. The boom should be fully retracted and safety chains must be installed before traveling.

13. Raise the wheel lift grid.

The Bottom Anchor Assembly (round tube) must never be higher than the attachment point on the rear of the truck. The Stand Off Bar Assembly acts as a pivot in the event of a sudden stop. This will assure that the towed vehicle will not catapult forward onto the deck of the EPG™.

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# JERR-DAN ACCESSORIES

## DOLLIES

Quick loading dollies are available as a Jerr-Dan option. These dollies are simple to set up and use.

### Specifications:

|                 |                             |
|-----------------|-----------------------------|
| Dolly Capacity: | 2,360 lbs.                  |
| Tire/Wheel:     | 4.80 x 4.00/8 590 lbs./Tire |
| Axle:           | 2 1/2 Sq. Tube              |
| Max. Speed:     | 50 m.p.h.                   |

The Quick Loading Dolly is simple to use once the principles of the unit are understood.

1. Extend telescopic cross rails by first depressing spring-loaded plunger and sliding inner (male) tube until plunger locks into the hole that matches the width of vehicle to be towed.
2. Place cross rails on ground, fore and aft of vehicle's tires.
3. Place dolly in the fully collapsed position with dolly tires closest to each other.
4. Set rail ends into dolly pockets, adjusting for the size of vehicle's tires, positioning rails as close as possible to tires.
5. Make sure safety locks are disengaged, allowing trip assemblies freedom of movement while lifting vehicle.
6. Engage ratchet assemblies to prevent injury and damage to the operator and vehicle in case pry bar slips from hand.
7. Insert pry bar into pry pocket.
8. Swing outer end of pry bar in an arc until trip assembly rises then locks spindle assembly in the down position. Do not release pry bar until spindle assembly is locked down.
9. Repeat this action for all four (4) assemblies. Dolly is now raised.

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10. After dolly is in the raised position, engage safety locks over trip assemblies to prevent releasing while vehicle is in tow.
11. Safety tie-down straps should be used to secure dolly to vehicle in case of rough road. Dolly is now ready for towing.

BE SURE EACH WHEEL IS SECURELY HELD IN ITS DOLLY AND INSPECT THE GROUND CLEARANCE OF THE VEHICLE BEFORE ATTEMPTING A TOW.

To unload the vehicle, stand clear of both the vehicle and the dollies and slip the chain link off of the cam bar. Carefully slide the jack handle over the cam bar and slowly lift the handle allowing the vehicle to drop. Repeat this step on the other dolly and then remove the axles from the dollies.

USE CARE WHEN RELEASING OR UNLOCKING THE CAM BAR AS IT CAN MOVE SUDDENLY AND WITH FORCE, CAUSING INJURY. JERR-DAN ASSUMES NO LIABILITY FOR THE USE OR MISUSE OF THESE DOLLIES OR ANY DAMAGE CAUSED BY THEM.

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# MAINTENANCE AND LUBRICATION

Your EPG™ has been designed to give you excellent service and long life but like all equipment, it requires proper and periodic maintenance. The truck chassis itself is on a maintenance schedule recommended by the manufacturer. Follow these guidelines and protect your vehicle warranty. There are a number of different lubricants used on your EPG™ and the following chart details the proper lubricant and the most common brands and specification which meet the requirements.

Use only safe practices when maintaining this equipment. Always shut off the engine before reaching into pinch areas.

Inspect the vehicle and wheel lift system periodically for damage or evidence of pending failure. Damaged or broken parts should be replaced immediately. Never operate a machine which is known to be defective or operating improperly. The cause of any binding or leakage should be determined immediately and the problem promptly fixed.

Critical wear points on your EPG™ must be lubricated at regular intervals. Sliding surfaces are to be cleaned and coated with a heavy grease periodically. Cleaning every month is recommended for normal highway operations, but this frequency will vary appreciably with the type of service. Sliding on dirty wear surfaces will cause rapid wear. Fittings on linkage pivots should be greased every two (2) months, again depending upon usage. The following chart and diagram shows the location of these points, and when and what type of lubricant to use.

Check the hydraulic oil level bi-monthly or after any leakage. A dipstick has been provided and can be accessed through the deck surface of the EPG™ body by removing the black hole plug in the deck. The proper oil level is best checked with all cylinders fully retracted. Use 5W20 Dual Range hydraulic oil. (Automatic transmission fluid may be used in the hydraulic system if necessary.)

The hydraulic filter located on the return side of the hydraulic tank comes equipped with a restriction indicator gauge. This gauge shows the operator the condition of the filter element. When the needle reaches the red band (25 psi), the filter is starting to bypass and the element needs to be changed. Failure to change the element will result in premature wear and/or failure of any or all of the hydraulic components. Only check gauge with hydraulic fluid at operating temperatures. Cold oil is more dense and will give a false indicator gauge reading.

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If a cylinder seal leaks, disassemble the cylinder and ascertain the cause of the leak. Small scores caused by chips or contaminated fluid can usually be worked out with fine emery cloth to avoid repetition of the trouble. Whenever any seal replacement is necessary, it is always advisable to replace all seals in that component. These seals are available in kits. Also, thoroughly clean all components before reassembly.

The optional aluminum body of your Jerr-Dan has been built from high strength aluminum which has been carefully assembled and polished in our factory. To keep it clean and free of dirt use any non-abrasive soap or detergent recommended for automotive finishes. Use a soft cloth or sponge and finish with a thorough rinsing. Drying with a soft cloth or chamois will prevent spotting or streaking. A coat of automotive wax is recommended.

The EPG™ is mounted to the truck chassis by 12 bolts. These bolts are torqued at the factory to 75 ft. lbs. We recommend periodic inspection and retorquing of these bolts. If your truck is equipped with the optional wrecker boom, deck mounted winch or tow sling, the mounting bolts should be regularly inspected and tightened if necessary. Replace any broken or damaged bolts immediately.

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## OILS AND GREASES

The following oils and greases are suitable for use with your Jerr-Dan.

### Company

### Product

#### HYDRAULIC OILS

- |                             |                      |
|-----------------------------|----------------------|
| 1. Drydene Dual Range       | Hydraulic Fluid 5w20 |
| 2. Sun Refining & Marketing | 2105 Hydraulic       |
| 3. D.A. Lubricants          | 5w20HIVI             |
| 4. Texaco                   | Rando HD AZ          |
| 5. Mobil Oil Corp.          | DTE15                |
| 6. Amoco Oil Co.            | Rykon MV             |

#### GREASES

- |            |                |
|------------|----------------|
| 1. Drydene | HD Lithium EP2 |
| 2. Gulf    | Crown EP2      |
| 3. Amoco   | Amolth EP2     |
| 4. Shell   | Alvanla EP2    |
| 5. Texaco  | Marfax EP2     |
| 6. Mobil   | Mobilux EP2    |
| 7. Sunoco  | Prestige Ep2   |

#### WINCH AND GEAR LUBE

- |             |                                                        |
|-------------|--------------------------------------------------------|
| 1. Phillips | 140 wt. EP Gear Lube 93301<br>(or approved equivalent) |
|-------------|--------------------------------------------------------|

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# LUBRICATION POINTS

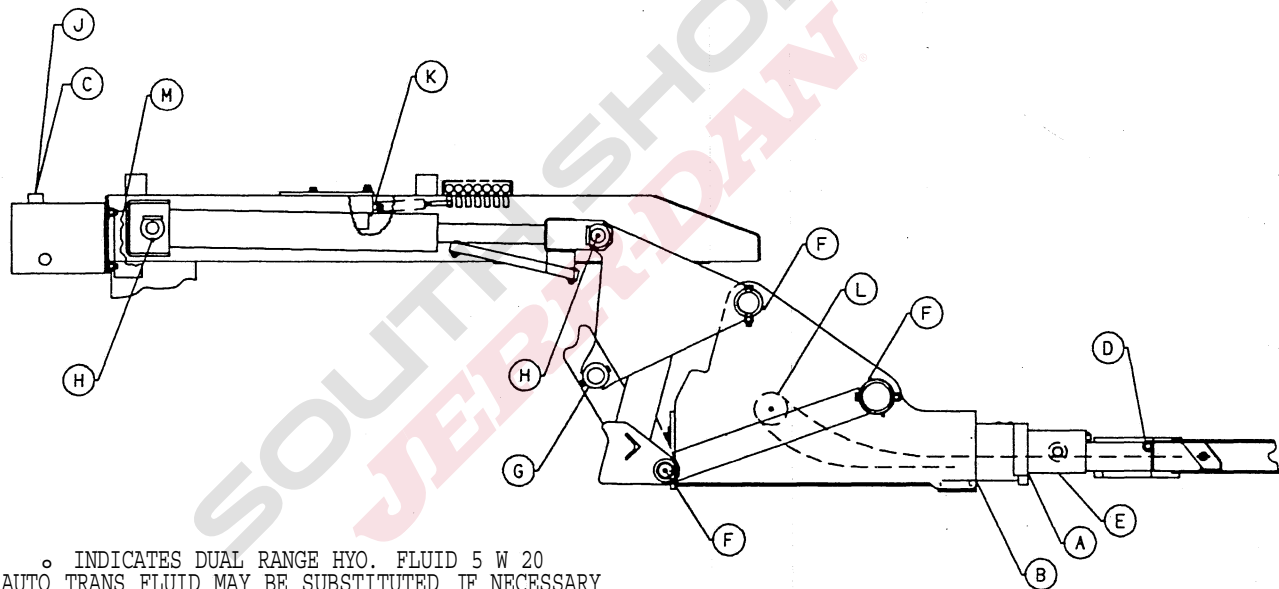
The following lubrication charts are located inside the tool box lid on the driver's side of the EPG™ body.

| <div>173</div> <div>LUBRICATION CHART</div> <div><b>TEFLE-DAIV®</b></div> <div><b>POW'E'R CRZD™</b></div> <div>WHEEL LIFT SYSTEM</div> |                                      |                                                                                                                             |                                                                      |                                                           |                                           |
|----------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|-----------------------------------------------------------|-------------------------------------------|
| INTERVAL<br>(HOURS)                                                                                                                    | REF.<br>NO.                          | IDENTIFICATION                                                                                                              | SERVICE                                                              | LUBRICANT                                                 | NO. OF<br>POINTS                          |
| SO OR<br>MONTHLY                                                                                                                       | A<br>B<br>C                          | BOOM<br>BOOM (HYD)<br>MAGNETIC PLUG                                                                                         | COAT<br>COAT<br>CLEAN                                                | MPG<br>MPG                                                | I<br>I<br>I                               |
| 100<br>OR<br>BI-<br>MONTHLY                                                                                                            | D<br>E<br>F<br>G<br>H<br>J<br>K<br>L | PIVOT PINS<br>EXT. CYLINDER<br>PIVOT PINS<br>PIVOT ARMS<br>LIFT CYLINDER<br>HYD. RESERVOIR<br>VALVE SPOOL<br>RETRACT PULLEY | COAT<br>LUBE<br>LUBE<br>LUBE<br>LUBE<br>CHECK<br>CLEAN & OIL<br>LUBE | MPG<br>MPG<br>MPG<br>MPG<br>MPG<br>o<br>ENGINE OIL<br>MPG | 4<br>I<br>I<br>2<br>3<br>1<br>4 or 7<br>1 |
| 250<br>OR<br>SEMI-<br>ANNUALLY                                                                                                         | H                                    | HYD. FILTER                                                                                                                 | CHANGE                                                               | _____                                                     | 1                                         |
| 1000<br>OR<br>YEARLY                                                                                                                   | J                                    | HYD. RESERVOIR                                                                                                              | DRAIN-FILL                                                           | o o                                                       | I                                         |

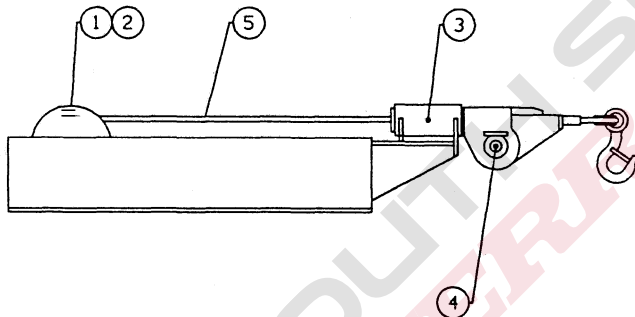
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# *11th JEROME-DAN* *WHEEL LIFT SYSTEM*<sup>TM</sup>



LUBRICATION CHART  
**JEFIFL-DAN<sup>®</sup>**  
**P01NER CRZD<sup>TM</sup>**  
 DECK MOUNTED WINCH



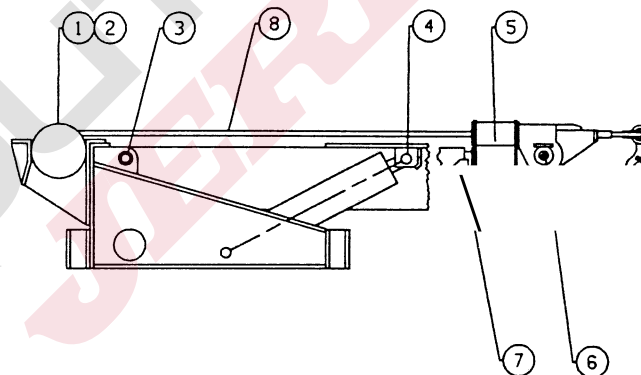
o INDICATES DUAL RANGE HYD. FLUID 5 W 20  
 AUTO TRANS FLUID **MAY** BE SUBSTITUTED IF NECESSARY

| INTERVAL<br>(HOURS)            | REF.<br>NO. | IDENTIFICATION | SERVICE     | LUBRICANT  | NO. OF<br>POINTS |
|--------------------------------|-------------|----------------|-------------|------------|------------------|
| SO OR<br>MONTHLY!              | S           | CABLE          | OIL         | ENGINE OIL | 1                |
|                                | C           | MAGNETIC PLUG  | CLEAN       |            | 1                |
|                                | B           | BOOM (MID)     | COAT        | !-PG       | 1                |
|                                | A           | BOOM (FLY)     | COAT        | P.PG       | 1                |
| 1<br>3<br>4                    | I           | WINCH          | LUBE        | MPG        | 1                |
|                                | 3           | SWIVEL         | LUBE        | !-PG       | 1                |
|                                | 4           | SHEAVE         | LUBE        | 1-F'G      | 1                |
|                                |             |                |             |            |                  |
| 1000<br>BI-<br>MONTHLY         | L           | RETRACT PULLEY | LUBE        | !-PG       | 1                |
|                                | K           | VALVE SPOOL    | CLEAN & OIL | ENGINE OIL | 4 or 7           |
|                                | J           | HYD. RESERVOIR | CHECK       | o          | 1                |
|                                | H           | LIFT CYLINDER  | LUBE        | !-PG       | 3                |
|                                | G           | PIVOT ARMS     | LUBE        | !-PG       | 2                |
|                                | F           | PIVOT PINS     | LUBE        | !-PG       | B                |
|                                | E           | EXT. CYLINDER  | LUBE        | !-PG       | 1                |
|                                | D           | PIVOT PINS     | COAT        | !-PG       | 4                |
|                                |             |                |             |            |                  |
|                                |             |                |             |            |                  |
| 250<br>OR<br>SEMI-<br>ANNUALLY | 2           | WINCH BOX      | CHECK       | GLS , 140  | 1                |
|                                |             |                |             |            |                  |
| 1000<br>OR<br>YEARLY           | M           | HYD. FILTER    | CHANGE      |            | 1                |
|                                | 2           | WINCH BOX      | DRAIN-FILL  | GLS 1140   | 1                |
|                                | J           | HYD. RESERVOIR | DRAIN-FILL  | o          | 1                |

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## LUBRICATION CHART

J'EHR-DAIV  
P01Af.E.R C.R.ZD  
WRECKER BOOM



° INDICATES DUAL RANGE HYO. FLUID 5 W 20  
AUTO TRANS FLUID MAY BE SUBSTITUTED IF NECESSARY

| INTERVAL<br>(HOURS)         | REF.<br>NO. | IDENTIFICATION | SERVICE     | LUBRICANT  | NO. OF<br>POINTS |
|-----------------------------|-------------|----------------|-------------|------------|------------------|
| 50 OR<br>MONTHLY            | 8           | CABLE          | OIL         | ENGINE OIL | 1 or 2           |
|                             | C           | MAGNETIC PLUG  | CLEAN       |            | 1                |
|                             | B           | BOOM FLY       | COAT        | P.FG       | 1                |
|                             | A           | BOOM FLY       | COAT        | P.FG       | 1                |
| 100<br>OR<br>BI-<br>MONTHLY | I           | WINCH          | LUBE        | P.FG       | 1 or 2           |
|                             | 3           | BOOM PIVOTS    | LUBE        | P.FG       | 2                |
|                             | 4           | LIFT CYLINDERS | LUBE        | P.FG       | 4                |
|                             | 5           | SWIVEL         | LUBE        | P.FG       | 1                |
|                             | 6           | SHEAVE         | LUBE        | P.FG       | 1 or 2           |
|                             | 7           | BOOM (FLY)     | COAT        | P.FG       | 1                |
|                             | L           | RETRACT PULLEY | LUBE        | P.FG       | 1                |
|                             | K           | VALVE SPOOL    | CLEAN & OIL | ENGINE OIL | 4 or 7           |
|                             | J           | HYO. RESERVOIR | CHECK       | o          | 1                |
|                             | H           | LIFT CYLINDER  | LUBE        | P.FG       | 3                |
| 'WRO<br>SEMI-<br>ANNUALLY   | G           | PIVOT ARMS     | LUBE        | WG         | 2                |
|                             | F           | PIVOT PINS     | LUBE        | P.FG       | 8                |
|                             | E           | EXT. CYLINDER  | LUBE        | P.FG       | 1                |
|                             | O           | PIVOT PINS     | COAT        | P.FG       | 4                |
| 1000<br>OR<br>YEARLY        | 2           | WINCH BOX      | CHECK       | GL5 1140   | 1 or 2           |
|                             | M           | HYO. FILTER    | CHANGE      |            | 1                |
|                             | 2           | WINCH BOX      | DRAIN-FILL  | GLS 1140   | 1                |
|                             | J           | HYO. RESERVOIR | DRAIN-FILL  | o          | 1                |

# TROUBLE SHOOTING

You probably won't require anything but preventive maintenance to keep your EPG™ running, however, the following chart should help you isolate and correct minor problems if they occur with use. Any service work on the hydraulic system should be performed by qualified mechanics.

## HYDRAULIC SYSTEM

| Problem                                   | Cause                                                                                                                                                                                                 | Solution                                                                                                                                                                                                                                                               |
|-------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Slow operation                            | <ul style="list-style-type: none"> <li>a. Low engine RPM</li> <li>b. Low oil level</li> <li>c. Blocked or restricted hoses</li> <li>d. Dirty hydraulic oil</li> <li>e. Hydraulic pump worn</li> </ul> | <ul style="list-style-type: none"> <li>a. Speed up engine</li> <li>b. Check dipstick and fill with the specified oil</li> <li>c. Inspect: remove blockage</li> <li>d. Drain, flush and refill with clean oil, replace filter</li> <li>e. Rebuild or replace</li> </ul> |
| Valve handle sticks tight or frozen       | <ul style="list-style-type: none"> <li>a. Insufficient lubrication</li> <li>b. Broken centering spring or clogged with foreign material</li> </ul>                                                    | <ul style="list-style-type: none"> <li>a. Lubricate per lube chart</li> <li>b. Inspect, clean or replace</li> </ul>                                                                                                                                                    |
| Valve leaks                               | <ul style="list-style-type: none"> <li>a. Defective seals</li> </ul>                                                                                                                                  | <ul style="list-style-type: none"> <li>a. Replace</li> </ul>                                                                                                                                                                                                           |
| Cylinder leaks                            | <ul style="list-style-type: none"> <li>a. Defective seals or rods</li> </ul>                                                                                                                          | <ul style="list-style-type: none"> <li>a. Inspect and replace</li> </ul>                                                                                                                                                                                               |
| Erratic cylinder function                 | <ul style="list-style-type: none"> <li>a. Air in the system</li> <li>b. Defective pump (pulsating)</li> </ul>                                                                                         | <ul style="list-style-type: none"> <li>a. Cycle hydraulic system 10 to 15 times to remove air</li> <li>b. Replace if necessary</li> </ul>                                                                                                                              |
| Electric Hand Controller fails to respond | <ul style="list-style-type: none"> <li>a. Electric power turned off</li> <li>b. Faulty ground</li> <li>c. No pilot pressure at valve</li> </ul>                                                       | <ul style="list-style-type: none"> <li>a. Turn on AUX power switch</li> <li>b. Check or connect ground</li> <li>c. Check or replace pressure reducing valve</li> </ul>                                                                                                 |
| Hand Controller switch fails to respond   | <ul style="list-style-type: none"> <li>a. Faulty relay</li> <li>b. Faulty relay connection</li> <li>c. Faulty connection at valve body</li> <li>d. Faulty valve solenoid</li> </ul>                   | <ul style="list-style-type: none"> <li>a. Inspect or replace</li> <li>b. Inspect connection</li> <li>c. Inspect connection</li> <li>d. Replace</li> </ul>                                                                                                              |

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## P.T.O. FUNCTIONING IMPROPERLY

| Problem                               | Cause                                                                                                                                    | Solution                                                                    |
|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|
| cable tight or frozen                 | a. cable kinked or bent<br>b. Cable and P.T.O. connection not adjusted properly<br>c. Mounting bracket nuts are over tightened at P.T.O. | a. Straighten or replace<br>b. Inspect and adjust<br>c. Loosen if necessary |
| Rattling noise in P.T.O.              | a. P.T.O. backlash too loose (Consult P.T.O. Manual)                                                                                     | a. Shims must be removed                                                    |
| Howling noise in P.T.O.               | a. P.T.O. backlash too tight (consult P.T.O. Manual)                                                                                     | a. Shims must be added                                                      |
| Gear oil leak between P.T.O. and pump | a. Defective shah seal                                                                                                                   | a. Remove and replace                                                       |
| P.T.O. will not engage or disengage   | a. cable and P.T.O. connection not adjusted properly<br>b. Defective shifter cover plate                                                 | a. Inspect and adjust<br>b. Inspect and replace                             |

## HYDRAULIC PUMP

| Problem                                    | Cause                                                                                                                                   | Solution                                                                                                                                                                                  |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Pump noisy (cavitation)                    | a. Low oil supply<br>b. Heavy oil<br>c. Dirty oil filter<br>d. Restriction in suction line<br>e. Pump worn                              | a. Fill to proper level<br>b. Fill with proper oil (See chart)<br>c. Replace filter<br>d. Clean out and remove<br>e. Repair or replace                                                    |
| Pump slow or fails to respond              | a. Low oil supply                                                                                                                       | a. Fill to proper level                                                                                                                                                                   |
| Oil heating up                             | a. Foreign material lodged in relief valve<br>b. Using too light oil<br>c. Dirty oil<br>d. Oil level too low<br>e. Pump worn (slippage) | a. Inspect and remove/replace filter<br>b. Drain and refill with clean oil<br>c. Drain, flush and refill with clean oil/replace filter<br>d. Fill to proper level<br>e. Repair or replace |
| Oil foaming                                | a. Air leaking into suction line<br>b. Wrong kind of oil                                                                                | a. Tighten all connections<br>b. Drain and refill with non-foaming type of hydraulic oil (588 lube chart)<br>Replace filter                                                               |
| Hydraulic oil leak between P.T.O. and pump | c. Oil level too low<br>a. Defective shah seal                                                                                          | c. Refill to proper level<br>a. Replace shah seal                                                                                                                                         |
| Pump leaks at front and rear covers        | a. Defective seals                                                                                                                      | a. Replace seals                                                                                                                                                                          |

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# WINCH FUNCTIONING IMPROPERLY

| Problem                                   | Cause                                                                                               | Solution                                                     |
|-------------------------------------------|-----------------------------------------------------------------------------------------------------|--------------------------------------------------------------|
| Winch screeches during operation          | a. Insufficient lubrication                                                                         | a. Lubricate per lube chart                                  |
| Winch will not pull load or take in cable | a. Free spooling device not engaged<br>b. Sheared keys or broken coupling<br>c. Hydraulic pump worn | a. Engage<br>b. Inspect or replace<br>c. Inspect and replace |

SOUTH SHORE  
JERR-DAN

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## PARTS

To order repair parts, call your nearest Jerr-Dan Distributor or call 800-876-1415 for further information.

Give Sales Order No., Serial No. and Model No. along with part number and description of part.

SOUTH SHORE  
JERR-DAN

EPG™ 35  
WHEEL LIFT SYSTEM  
PARTS

## PARTS LIST - SUBFRAME

| Ref. No. | Part No.        | Description                | Qty. |
|----------|-----------------|----------------------------|------|
| 1        | 3502700001      | Subframe                   | 1    |
| 2        | 7950180161      | Flatwasher                 | 16   |
| 3        | 7660182301      | Locknut                    | 12   |
| 4        | 7115181250      | Capscrew                   | 12   |
| 5        | 3178000154      | Bracket                    | 2    |
| 6        | 4017000387      | Angle                      | 1    |
| 7        | 3750000010      | Oil Reservoir Assembly     | 1    |
| 8        | 7551000002(A)   | Knob (Black)               | 10   |
|          | 7551000002(8)   | Knob (Black)               | 12   |
|          | 7551000002(C)   | Knob (Black)               | 6    |
|          | 7551000002(0)   | Knob (Black)               | 4    |
| 9        | 3062000002(8)   | Bar                        | 1    |
| 10       | 3062000003(ABC) | Bar                        | 1    |
| 11       | 3062000005(AB)  | Bar                        | 1    |
| 12       | 4763000186      | Control Rod                | 1    |
| 13       | 4763000187      | Control Rod                | 1    |
| 14       | 4763000188      | Control Rod                | 1    |
| 15       | 7690021610      | Cotter Pin                 | 3    |
| 16       | 4763000154      | Rod                        | 7    |
| 17       | 7990000003(A)   | End Yoke w/Clevis & Cotter | 6    |
|          | 7990000003(6)   | End Yoke w/Clevis & Cotter | 7    |
|          | 7990000003(C)   | End Yoke w/Clevis & Cotter | 4    |
|          | 7990000003(0)   | End Yoke w/Clevis & Cotter | 3    |
| 18       | 7660140230(A)   | Jam Nut                    | 6    |
|          | 7660140230(8)   | Jam Nut                    | 7    |
|          | 7660140230(C)   | Jam Nut                    | 4    |
|          | 7660140230(0)   | Jam Nut                    | 3    |
| 19       | 7765000006(A)   | Spade Bolt                 | 6    |
|          | 7765000006(8)   | Spade Bolt                 | 7    |
|          | 7765000006(C)   | Spade Bolt                 | 4    |
|          | 7765000006(0)   | Spade Bolt                 | 3    |
| 20       | 4935000053      | Valve                      | 1    |
| 21       | 7690141200(A)   | Clevis Pin                 | 3    |
|          | 7690141200(8)   | Clevis Pin                 | 4    |
|          | 7690141200(C)   | Clevis Pin                 | 1    |
| 22       | 7690000810(A)   | Cotter Pin                 | 3    |
|          | 7690000810(8)   | Cotter Pin                 | 4    |
|          | 7690000810(C)   | Cotter Pin                 | 1    |
| 23       | 7115162850      | Capscrew                   | 2    |
| 24       | 7950160252      | Flatwasher                 | 3    |
| 25       | 7660162601      | Locknut                    | 3    |
| 26       | 7660182601      | Locknut                    | 4    |
| 27       | 4763000150      | Handle Rod                 | 6    |
| 28       | 4763000151 (A)  | Handle Rod                 | 6    |
|          | 4763000151 (8)  | Handle Rod                 | 8    |
|          | 4763000151 (C)  | Handle Rod                 | 2    |
| 29       | 3750000009      | Oil Reservoir              | 1    |
| 30       | 7470000001      | Dipstick                   | 1    |
| 31       | 7430000003      | Oil Filter Assembly        | 1    |
| 32       | 7701000025      | Plug                       | 1    |
| 33       | 7701000026      | Plug                       | 1    |

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# PARTS LIST - SUBFRAME (Continued)

| Ref. No. | Part No.        | Description    | Qty. |
|----------|-----------------|----------------|------|
| 34       | 7431000001      | Filter Element | 1    |
| 35       | 7551000003      | Knob (Red)     | 2    |
| 36       | 3062000001 (AB) | Bar            | 1    |
| 37       | 7660160000(A)   | Hex Nut        | 6    |
|          | 7660160000(8)   | Hex Nut        | 7    |
|          | 7660160000(C)   | Hex Nut        | 4    |
|          | 7660160000(0)   | Hex Nut        | 3    |
| 38       | 4831000056      | Bar            | 1    |
| 39       | 7115161450      | Capscrew       | 1    |

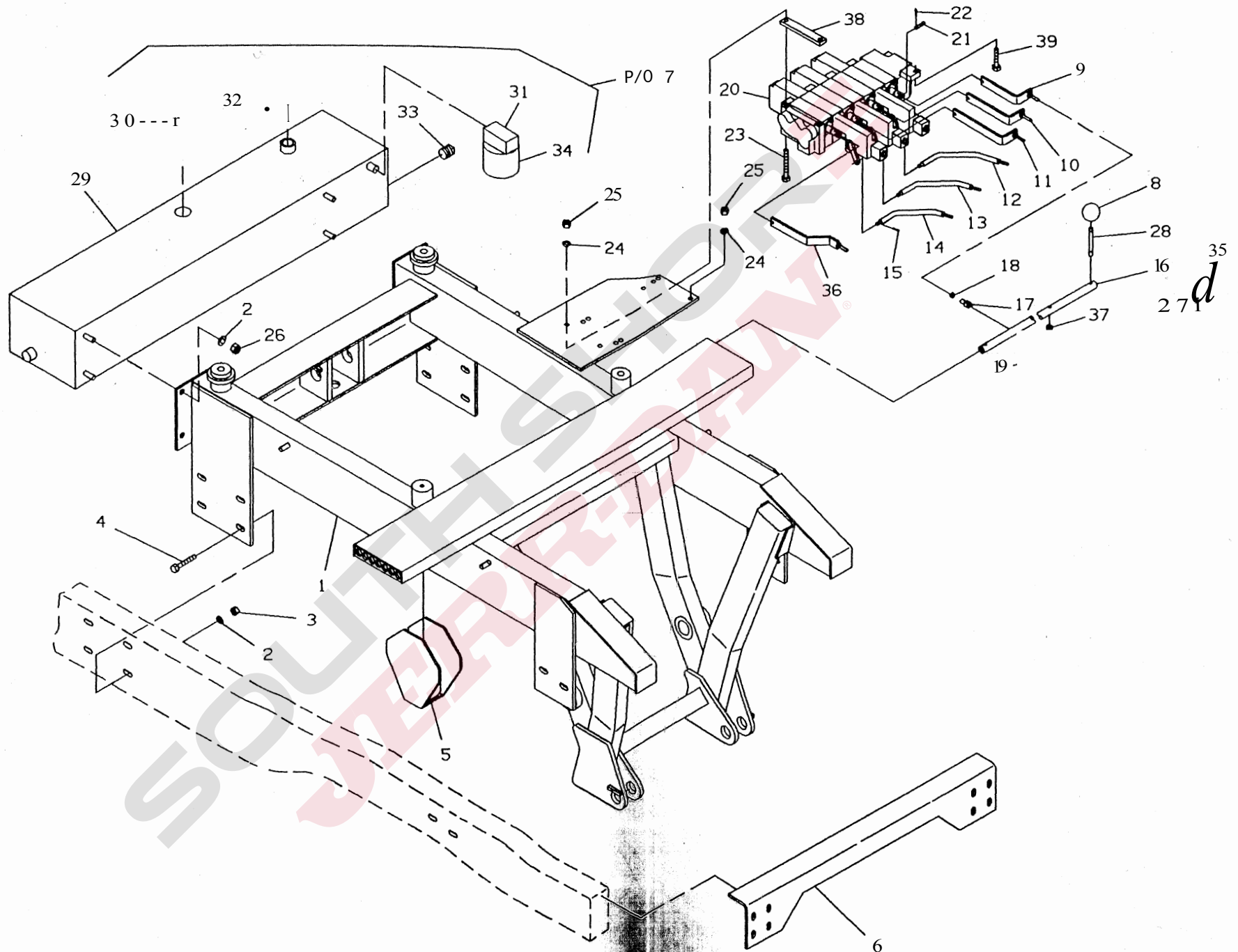
- A - Application with Single Winch Wrecker Boom
- B - Application with Dual Winch Wrecker Boom
- C - Application with Deck Mounted Winch
- D - Application with Wheel Lift only

<sup>1</sup> Part of item 7 (Oil Reservoir Assembly)

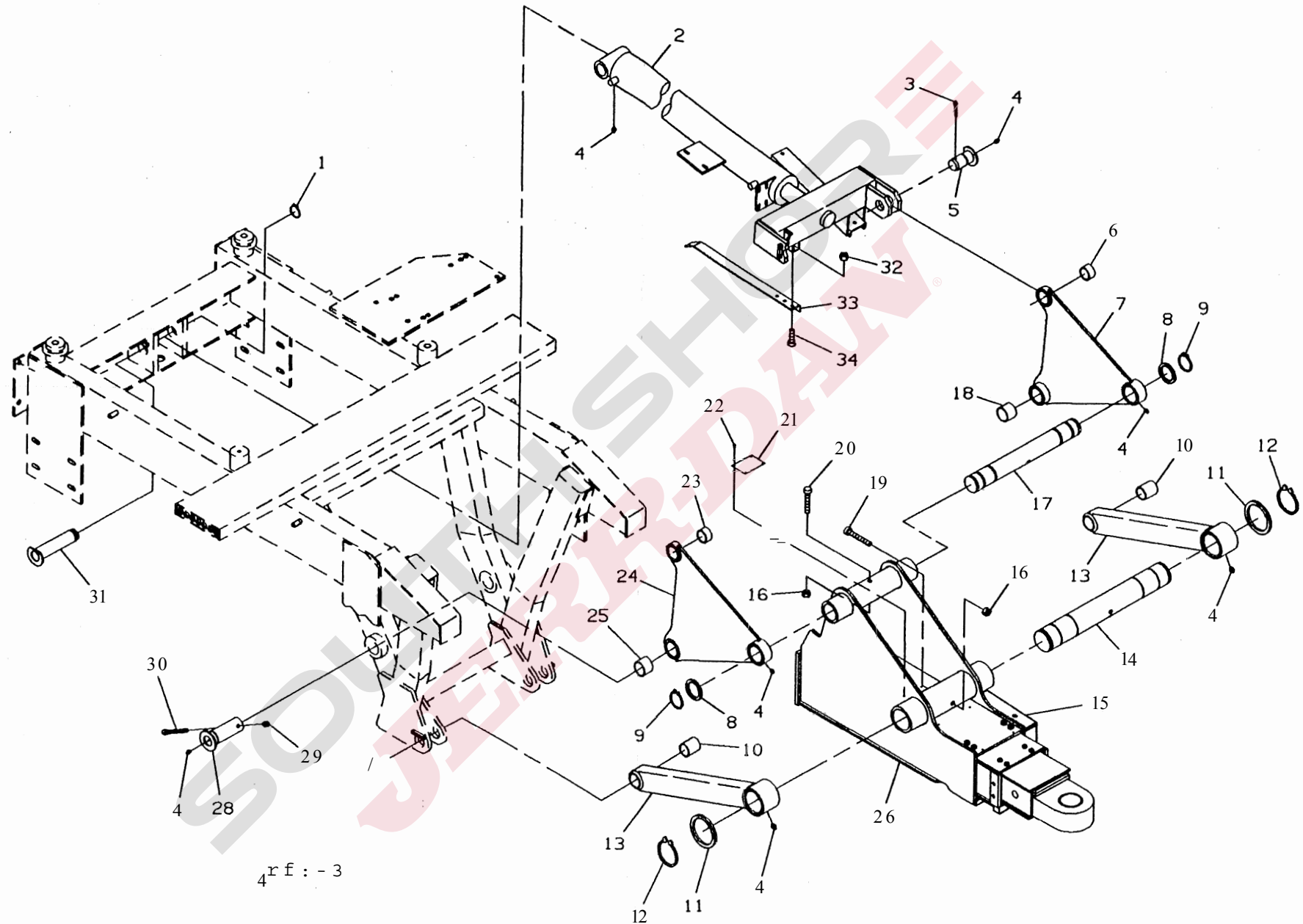
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# SUBFRAME



# WHEEL LIFT BOOM



4<sup>rf</sup> : - 3

## PARTS LIST - WHEEL LIFT BOOM

| Ref. No. | Part No.                | Description              | Qty. |
|----------|-------------------------|--------------------------|------|
| 1        | 7754000033              | Retaining Ring           | 1    |
| 2        | 3320000052              | Wheel Lift Lift Cylinder | 1    |
| 3        | 7690103210              | Cotter Pin               | 4    |
| 4        | 7440030000              | Grease Fitting           | 13   |
| 5        | 3691000060              | Pin                      | 2    |
| 6        | 7209000001 <sup>1</sup> | Bronze Bushing           | 1    |
| 7        | 3512100017              | Arm Weldment, RH         | 1    |
| 8        | 4949000019              | Washer                   | 2    |
| 9        | 7754000017              | Retaining Ring           | 2    |
| 10       | 7209000003 <sup>2</sup> | Bronze Bushing           | 2    |
| 11       | 4949000018              | Washer                   | 2    |
| 12       | 7754000018              | Retaining Ring           | 2    |
| 13       | 3913000044              | Tube Weldment            | 2    |
| 14       | 4691000197              | Pin                      | 1    |
| 15       | 3509870002              | Hose Retractor           | 1    |
| 16       | 7660182601              | Locknut                  | 2    |
| 17       | 4691000054              | Pin                      | 1    |
| 18       | 7209000015 <sup>1</sup> | Bronze Bushing           | 1    |
| 19       | 7115183650              | Hex Head Capscrew        | 1    |
| 20       | 7115183250              | Hex Head Capscrew        | 1    |
| 21       | 7330000001              | Nameplate                | 1    |
| 22       | 7759000004              | Rivet                    | 4    |
| 23       | 7209000001 <sup>3</sup> | Bronze Bushing           | 1    |
| 24       | 3512100018              | Arm Weldment, LH         | 1    |
| 25       | 7209000015 <sup>3</sup> | Bronze Bushing           | 1    |
| 26       | 3509870001              | 3 Stage Boom Assembly    | 1    |
| 27       | 3691000066              | Pin                      | 2    |
| 28       | 3691000086              | Pin                      | 2    |
| 29       | 7660162601              | Locknut                  | 2    |
| 30       | 7115162650              | Hex Head Capscrew        | 2    |
| 31       | 3691000063              | Pin                      | 1    |
| 32       | 7660152600              | Locknut                  | 2    |
| 33       | 4706001535              | Plate                    | 1    |
| 34       | 7115150625              | Machine Screw            | 2    |

<sup>1</sup> Part of item 7 (Arm Weldment, RH)<sup>2</sup> Part of item 13 (Tube Weldment)<sup>3</sup> Part of item 24 (Arm Weldment, LH)

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## PARTS LIST - 3 STAGE BOOM ASSEMBLY

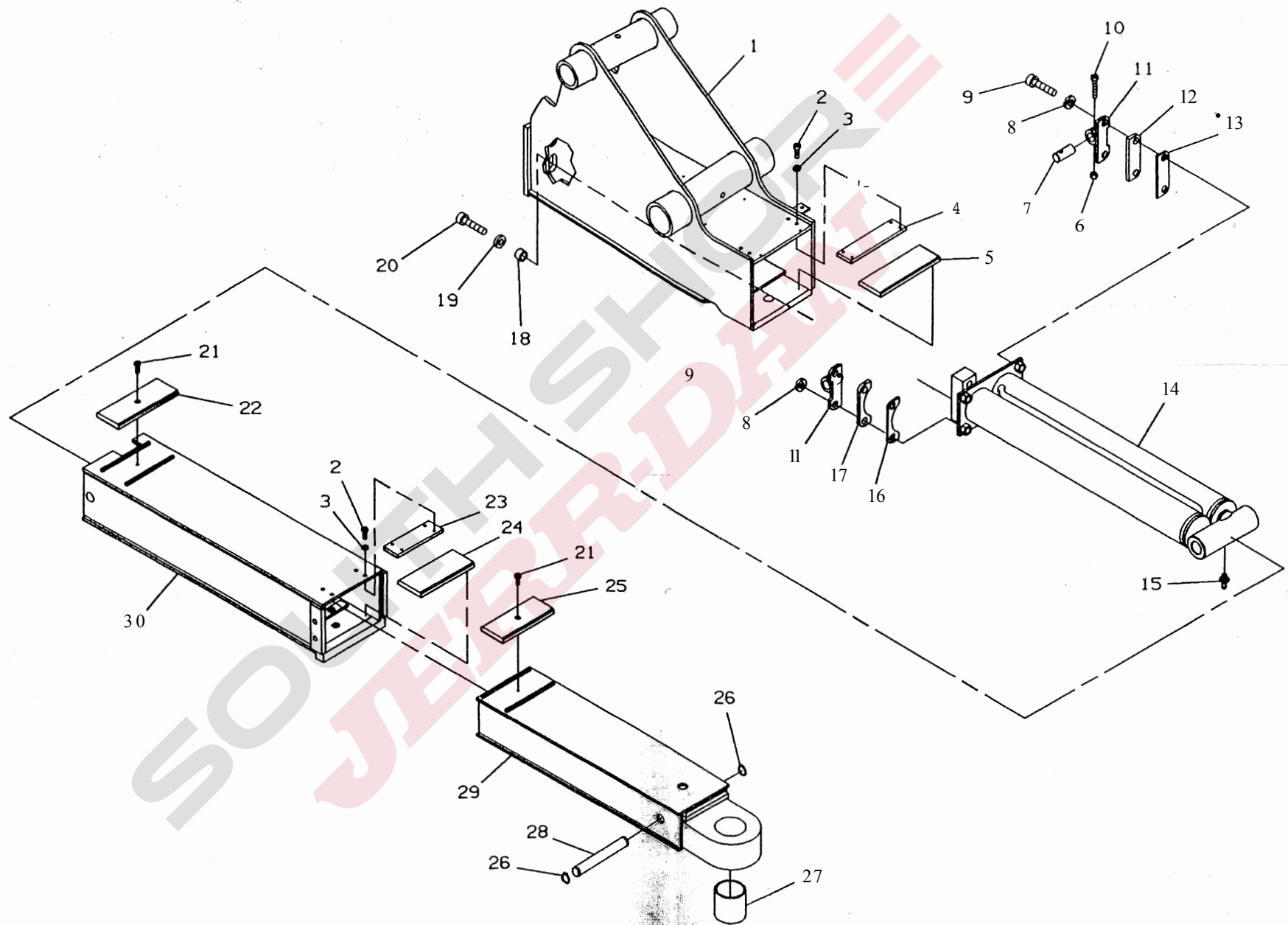
| Ref. No. | Part No.                | Description        | Qty. |
|----------|-------------------------|--------------------|------|
| 1        | 3170000083              | Base Section       | 1    |
| 2        | 7120000023              | Button Head Screw  | 8    |
| 3        | 7950140161              | Flatwasher         | 8    |
| 4        | 4062000129              | Bar                | 1    |
| 5        | 4679000102              | Pad                | 1    |
| 6        | 7660142600              | Locknut            | 2    |
| 7        | 4691000191              | Pin                | 2    |
| 8        | 7950180000              | Lockwasher         | 4    |
| 9        | 7115181450              | Hex Head Capscrew  | 4    |
| 10       | 7115141450              | Hex Head Capscrew  | 2    |
| 11       | 3209000008              | Bushing Weldment   | 2    |
| 12       | 4831000053              | Spacer             | 1    |
| 13       | 4831000057              | Spacer             | 1    |
| 14       | 7320000005              | Extension Cylinder | 1    |
| 15       | 7440030000              | Grease Fitting     | 1    |
| 16       | 4831000058              | Spacer             | 1    |
| 17       | 4831000054              | Spacer             | 1    |
| 18       | 4831000055              | Spacer             | 2    |
| 19       | 7950200959              | Flatwasher         | 2    |
| 20       | 7118201616              | Hex Head Screw     | 2    |
| 21       | 7118140423              | Flat Head Capscrew | 2    |
| 22       | 4679000103              | Pad                | 1    |
| 23       | 4062000128              | Bar                | 1    |
| 24       | 4679000100              | Pad                | 1    |
| 25       | 4679000101              | Pad                | 1    |
| 26       | 7754000019              | Retaining Ring     | 2    |
| 27       | 7211000001 <sup>1</sup> | Bushing            | 1    |
| 28       | 4691000190              | Pin                | 1    |
| 29       | 3170000081              | Fly Boom           | 1    |
| 30       | 3170000082              | Mid Section        | 1    |

<sup>1</sup> Part of item 29 (Fly Boom)

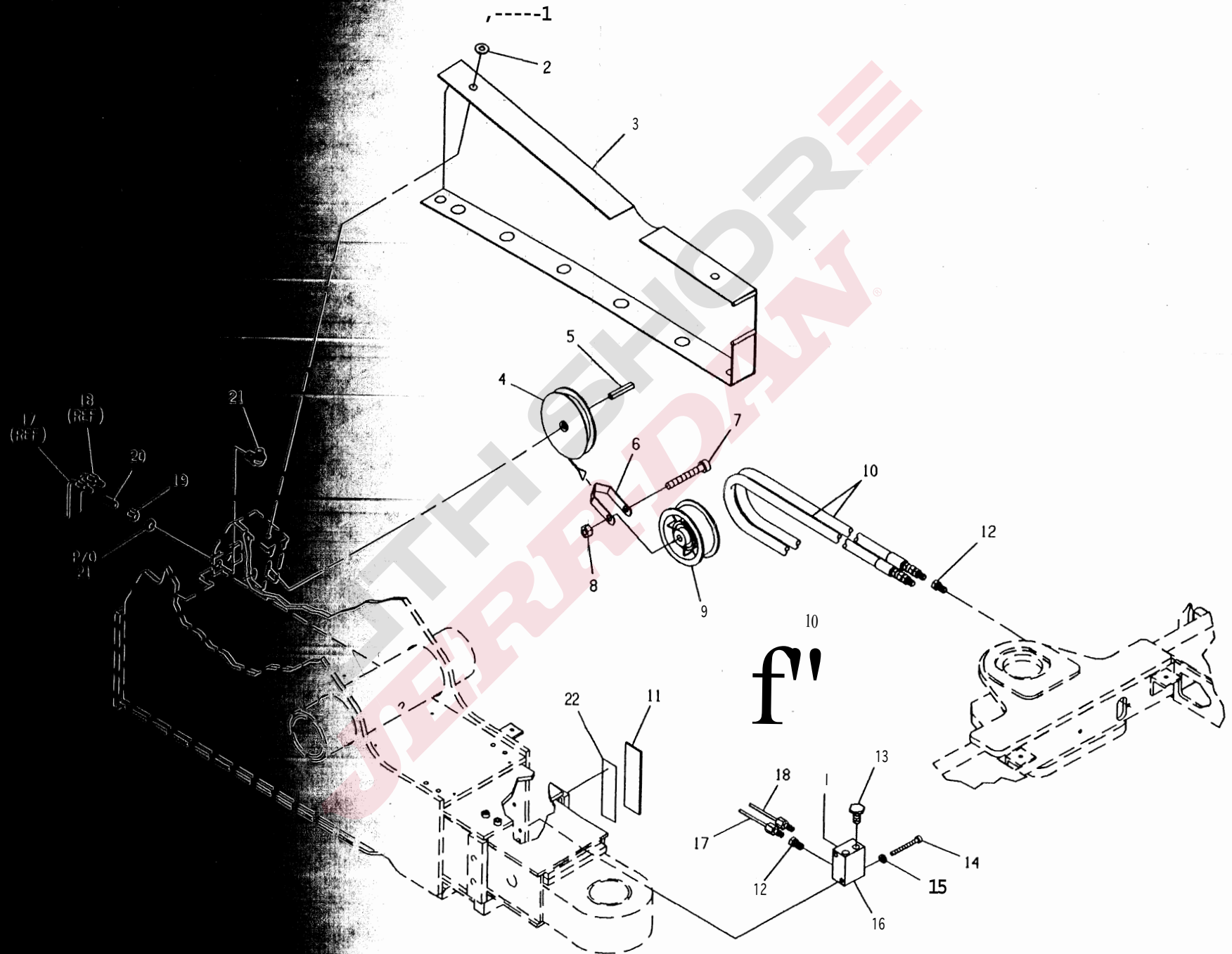
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# 3 STAGE BOOM ASSEMBLY



# HOSE RETRACTOR



## PARTS LIST . HOSE RETRACTOR

| Ref. No. | Part No.   | Description          | Qty. |
|----------|------------|----------------------|------|
| 1        | 7118140418 | Capscrew             | 4    |
| 2        | 7950140161 | Flatwasher           | 4    |
| 3        | 3314000009 | Cover Plate          | 1    |
| 4        | 7732000001 | Spring Reel          | 1    |
| 5        | 4575101700 | Keystock             | 1    |
| 6        | 4706001525 | Plate                | 1    |
| 7        | 7115161650 | Hex Head Capscrew    | 1    |
| 8        | 7661000021 | Locknut              | 1    |
| 9        | 7719000002 | Pulley               | 1    |
| 10       | 3570000002 | Hose Assembly (Pair) | 1    |
| 11       | 4679000105 | Wear Pad             | 1    |
| 12       | 7445040443 | Adapter              | 6    |
| 13       | 7443000114 | Plug                 | 2    |
| 14       | 7115141850 | Hex Head Capscrew    | 2    |
| 15       | 7950140000 | Lockwasher           | 2    |
| 16       | 4619000004 | Manifold             | 1    |
| 17       | 7912000032 | Tube Assembly        | 1    |
| 18       | 7912000033 | Tube Assembly        | 1    |
| 19       | 7443000106 | Reducer Nut          | 2    |
| 20       | 7443000105 | Reducer              | 2    |
| 21       | 7445060631 | Elbow - 90°          | 2    |
| 22       | 4892000006 | Adhesive Tape        | 1    |

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PARTS LIST - WHEEL LIFT BOOM EXTENSION CYLINDER  
7320000005

| Ref. No. | Part No.                | Description       | Qty. |
|----------|-------------------------|-------------------|------|
| 1        | 9763250005              | Rod-Tube Assembly | 1    |
| 2        | 9796250036 <sup>1</sup> | Wiper Seal        | 2    |
| 3        | 9796250037 <sup>1</sup> | Rod Seal          | 2    |
| 4        | 9553250002              | Head              | 1    |
| 5        | 9754250005 <sup>1</sup> | Back-up Ring      | 2    |
| 6        | 9796250039 <sup>1</sup> | O-Ring            | 2    |
| 7        | 9796250040 <sup>1</sup> | O-Ring            | 2    |
| 8        | 9698250001              | Piston            | 2    |
| 9        | 9796250038 <sup>1</sup> | Piston Seal       | 2    |
| 10       | 9754250006 <sup>1</sup> | Wear Ring         | 2    |
| 11       | 9661250013              | Locknut           | 2    |
| 12       | 9912250003              | Tube Assembly     | 1    |
| 13       | 9763250004              | Rod Assembly      | 1    |
| 14       | 9754250007 <sup>1</sup> | Wear Ring         | 2    |
| 15       | 9553250001              | Head              | 1    |

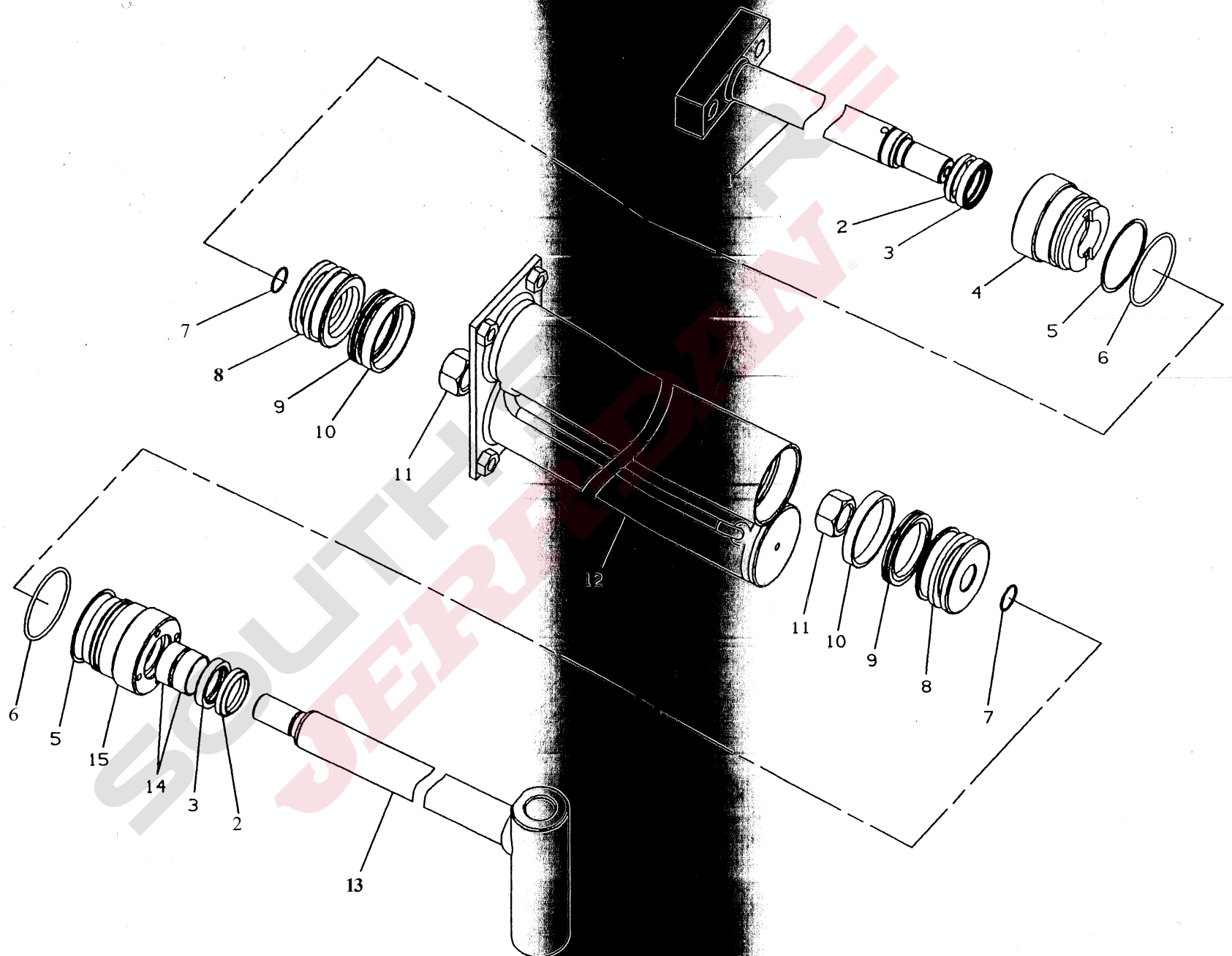
<sup>1</sup> Available Only in Seal Kit No. 9577250091

SOUTH SHORE  
JERR-DAN

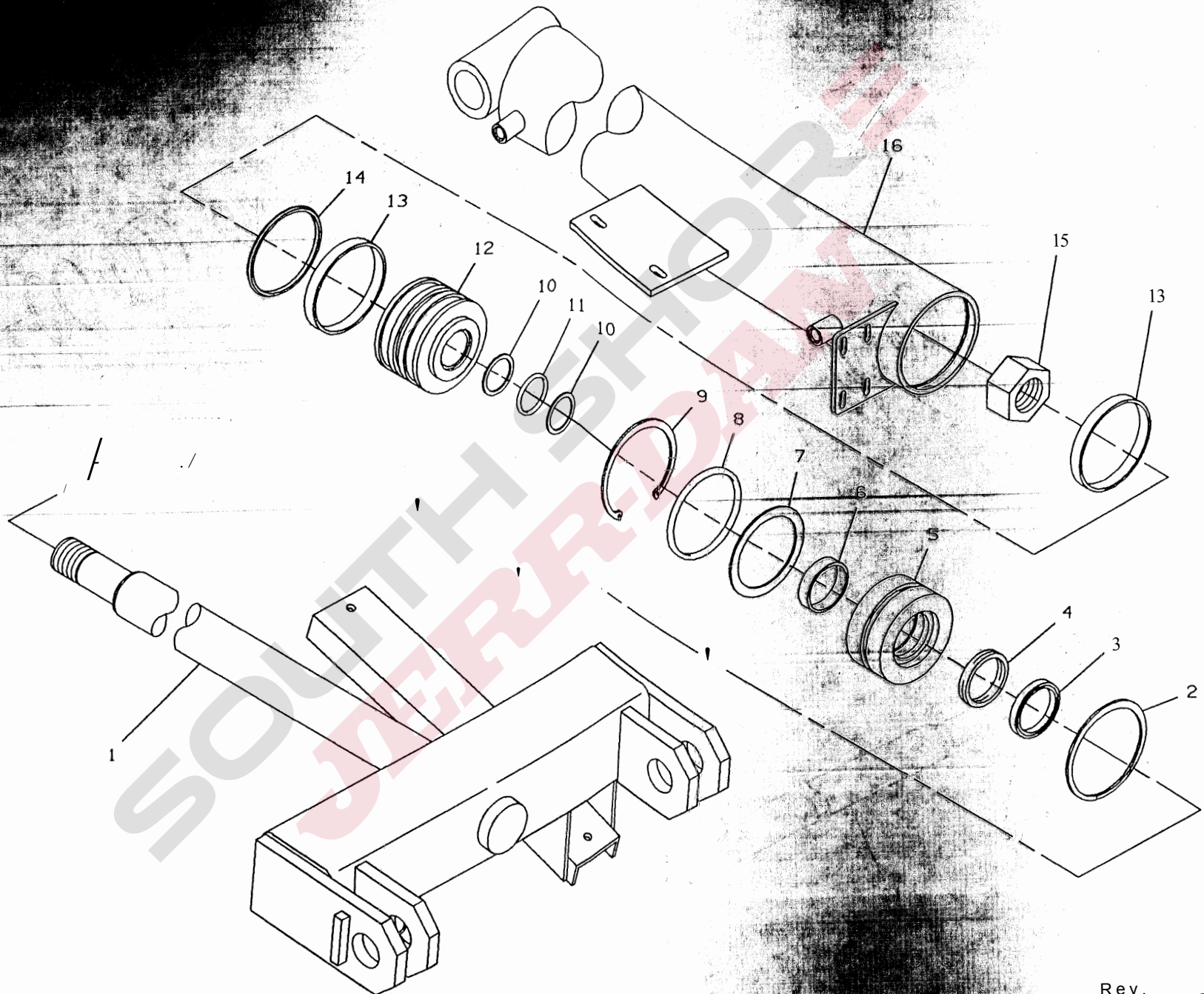
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# WHEEL LIFT BOOM EXTENSION CYLINDER 7320000003



WHEEL LIFT CYLINDER  
3320000052



PARTS LIST, WHEEL LIFT LIFT CYLINDER  
3320000052

| Ref. No. | Part No.   | Description      | Qty. |
|----------|------------|------------------|------|
| 1        | 3763000070 | Cylinder Rod     | 1    |
| 2        | 7754000027 | Retaining Ring   | 1    |
| 3        | 7796000011 | Rod Wiper Seal   | 1    |
| 4        | 7796000025 | Rod Seal         | 1    |
| 5        | 4553000010 | Aluminum Head    | 1    |
| 6        | 7754000012 | Piston Wear Ring | 1    |
| 7        | 7755338609 | Backup Ring      | 1    |
| 8        | 7755338000 | O-Ring           | 1    |
| 9        | 7754000016 | Retaining Ring   | 1    |
| 10       | 7755226609 | Backup Ring      | 2    |
| 11       | 7755226000 | O-Ring           | 1    |
| 12       | 4698000009 | Piston           | 1    |
| 13       | 7796000013 | Wear Ring        | 2    |
| 14       | 7796000014 | Piston Seal      | 1    |
| 15       | 7660342031 | Locknut          | 1    |
| 16       | 3071000049 | Barrel           | 1    |

<sup>1</sup> Available Only in Service Kit No. 7577250043

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## PARTS LIST - HYDRAULIC COMPONENTS

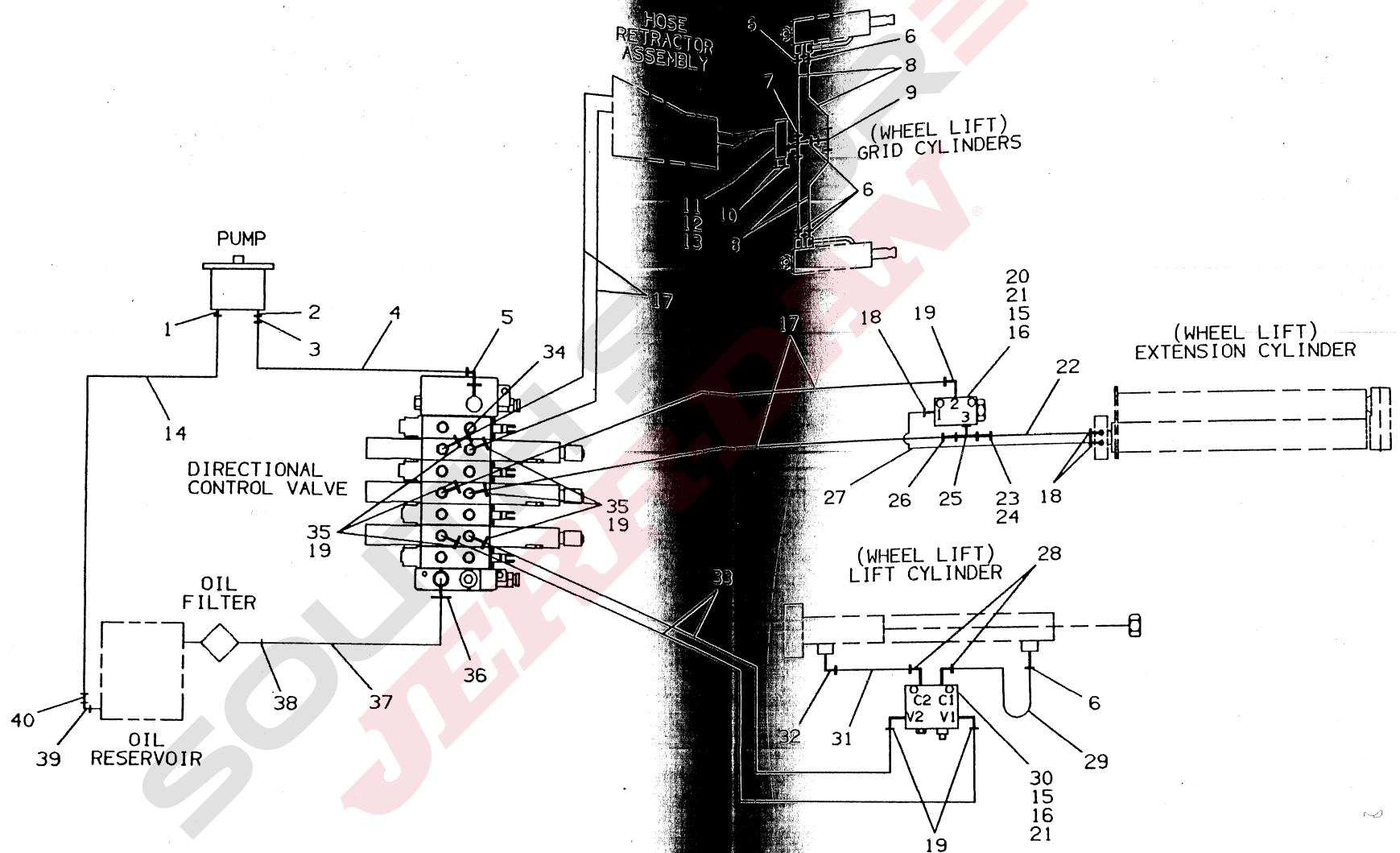
| Ref. No. | Part No.   | Description       | Qty. |
|----------|------------|-------------------|------|
| 1        | **         | Fitting           |      |
| 2        | **         | Fitting           |      |
| 3        | **         | Fitting           |      |
| 4        | **         | Pressure Hose     | 1    |
| 5        | **         | Fitting           |      |
| 6        | 7445040443 | Adapter           | 6    |
| 7        | 7445040447 | Branch Tee        | 1    |
| 8        | 4570000066 | Hose Assembly     | 4    |
| 9        | 7443000052 | Branch Tee        | 1    |
| 10       | 7443000114 | O-Ring Plug       | 2    |
| 11       | 4619000003 | Manifold          | 1    |
| 12       | 7115141250 | Hex Head Capscrew | 2    |
| 13       | 7950140000 | Lockwasher        | 2    |
| 14       | **         | Suction Hose      | 1    |
| 15       | 7111151650 | Hex Head Capscrew | 4    |
| 16       | 7660152600 | Locknut           | 4    |
| 17       | 4567320085 | Hose Assembly     | 4    |
| 18       | 7445040643 | Adapter           | 3    |
| 19       | 7445060645 | Elbow - 90°       | 9    |
| 20       | 7935000001 | Sun Check Valve   | 1    |
| 21       | 7950150161 | Flatwasher        | 4    |
| 22       | 4567112012 | Hose Assembly     | 1    |
| 23       | 7443000105 | Reducer           | 1    |
| 24       | 7443000106 | Reducer Nut       | 1    |
| 25       | 7445060647 | Branch Tee        | 1    |
| 26       | 7445060672 | Elbow - 90°       | 1    |
| 27       | 4567113013 | Hose Assembly     | 1    |
| 28       | 7445040645 | Elbow - 90°       | 2    |
| 29       | 7912000034 | Tube Assembly     | 1    |
| 30       | 7935000105 | Sun Valve         | 1    |
| 31       | 7912000017 | Tube Assembly     | 1    |
| 32       | 7445040445 | Elbow - 90°       | 1    |
| 33       | 4567320044 | Hose Assembly     | 2    |
| 34       | 7443000128 | Restrictor        | 1    |
| 35       | 7443000129 | Reducer           | 6    |
| 36       | 7445121243 | Adapter           | 1    |
| 37       | 4567362029 | Hose Assembly     | 1    |
| 38       | 7445121619 | Adapter           | 1    |
| 39       | **         | Fitting           |      |
| 40       | **         | Fitting           |      |

\*\* Consult Factory for Part Numbers and Quantities

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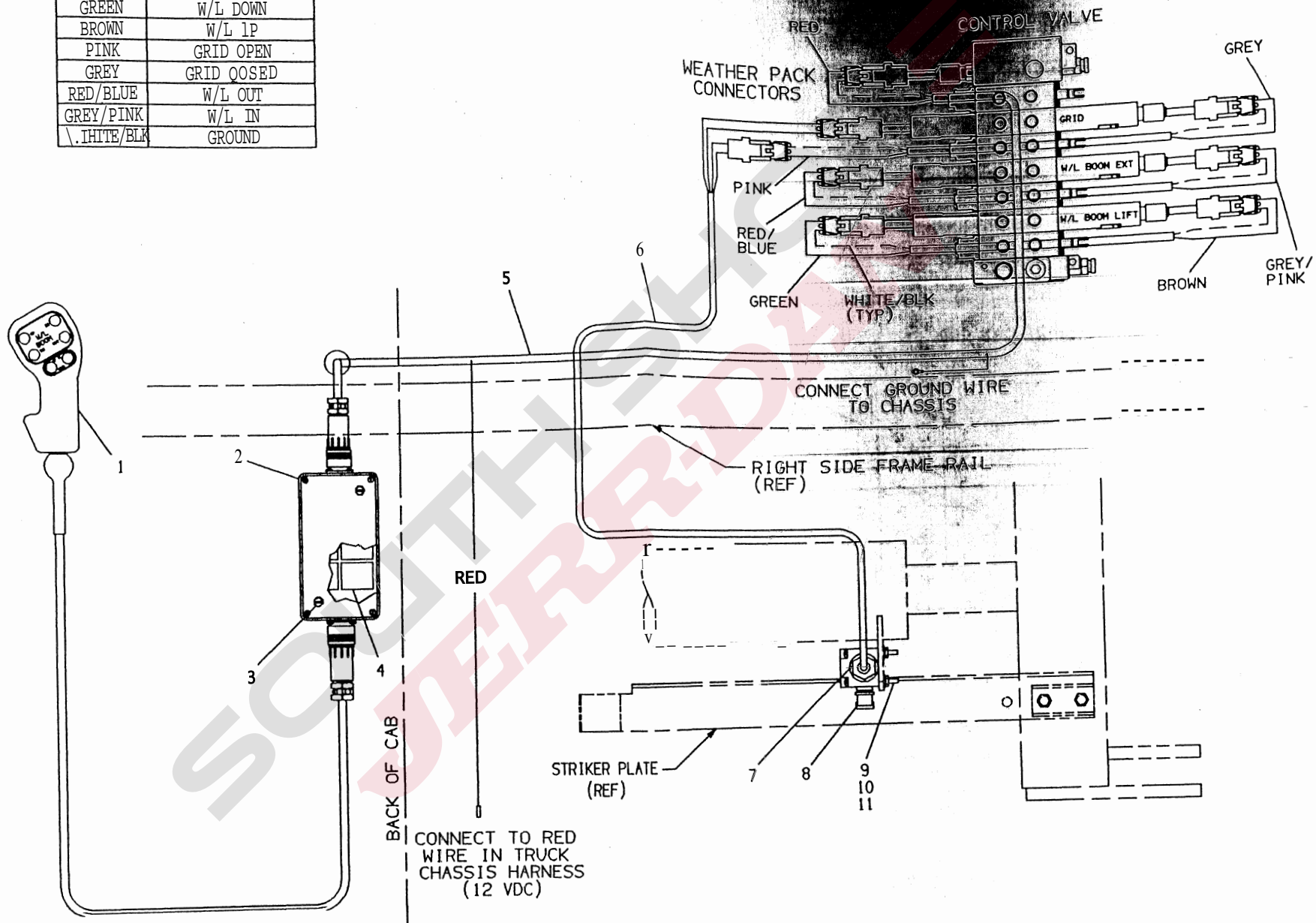
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# HYDRAULIC COMPONENTS



REMOTE CONTROL SCHEMATIC

| COLOUR    | FUNCTION        |
|-----------|-----------------|
| RED       | POWER CE (1-kT) |
| GREEN     | W/L DOWN        |
| BROWN     | W/L 1P          |
| PINK      | GRID OPEN       |
| GREY      | GRID CLOSED     |
| RED/BLUE  | W/L OUT         |
| GREY/PINK | W/L IN          |
| WHITE/BLK | GROUND          |

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## PARTS LIST - REMOTE CONTROL SCHEMATIC

| Ref. No. | Part No.   | Description          | Qty. |
|----------|------------|----------------------|------|
| 1        | 7295000022 | Hand Controller      | 1    |
| 2        | 3740000001 | Relay Box            | 1    |
| 3        | 7790100856 | Self Tapping Screw   | 2    |
| 4        | 9740310001 | Relay                | 6    |
| 5        | 7552000059 | Wiring Harness       | 1    |
| 6        | 7552000060 | Wiring Harness       | 1    |
| 7        | 7346000056 | Relief Fitting       | 1    |
| 8        | 7870000036 | Lockout Switch       | 1    |
| 9        | 7115101411 | Pan Head Screw       | 4    |
| 10       | 7950100151 | Flatwasher           | 4    |
| 11       | 7661000002 | Hex Nut w/Lockwasher | 4    |

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