

# Wagner-Smith

OPERATOR'S AND PARTS MANUAL  
FOR  
THE WAGNER-SMITH EQUIPMENT COMPANY  
MODEL: S-RR-200K  
REEL ROLLER  
SERIAL #43200-10  
CONTROL #4614



## Wagner-Smith Equipment Company

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43200-10 (REVISED 5-27-2014)

# MANUAL INDEX

SECTION A..... Hazard Warnings

SECTION B..... Introduction

SECTION C..... Specifications

SECTION D..... Description of Individual Functions

SECTION E..... Operations

SECTION F..... Routine Maintenance

# SECTION “A”

## SAFETY

| FIG | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | PAGE #                          |
|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
|     | <p>ATTENTION:</p> <p>This manual is intended to give operational, parts, and maintenance information for the unit referenced on the front cover. It is not intended to replace safe operating practice or serve as a tension/ stringing operation procedures manual. This piece of equipment is designed for use in tension/ stringing operations within its specification only. Any use other than this that is not authorized by Wagner-Smith Equipment Co., is potentially dangerous, and could result in severe injury or death. Additionally, this equipment should only be operated by trained personnel who are fully aware of the proper operating procedures and potential safety Hazards encountered during tension/ stringing operations.</p> |                                 |
|     | <p>SAFETY</p> <p>WARNINGS</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <p>A – 2..5</p> <p>A – 6..7</p> |

# SECTION “A”

## SAFETY

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                      |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| <p><b>RECOGNIZE SAFETY INFORMATION</b></p> <p>This is the safety-alert symbol. When you see this symbol on your machine or in this manual, be alert to the potential for personal injury.</p> <p>Follow recommended precautions and safe operating practices.</p>                                                                                                                                                                                                                                                                                                                                                              |   |
| <p>“DANGER” – Indicates a hazardous situation which, if not avoided, will cause death or severe injury. Must always have the exclamation mark before the word. Property damage accidents will not be considered “Danger” unless severe personal injury risk is present.</p>                                                                                                                                                                                                                                                                                                                                                    |    |
| <p>“WARNING” – Is used to indicate a hazardous situation which has some probability of death or serious injury. The word “Warning” should not be considered for property damage accidents, alone, unless personal injury risk is present.</p>                                                                                                                                                                                                                                                                                                                                                                                  | <p><b>WARNING</b></p>                                                                |
| <p>“CAUTION” – Is used to indicate a hazardous situation which may result in minor or moderate injury. However, caution should not be used when there is a possibility of death or serious injury. The word “Caution” should not be considered for property damage accidents, alone, unless if not avoided may cause minor or moderate personal injury.</p>                                                                                                                                                                                                                                                                    | <p><b>CAUTION</b></p>                                                                |
| <p><b>FOLLOW SAFETY INSTRUCTIONS</b></p> <p>Carefully read all safety messages in this manual and on your machine safety signs. Keep safety signs in good condition. Replace missing or damaged safety signs.</p> <p>Learn how to operate the machine and how to use controls properly. Do not let anyone operate without instruction.</p> <p>Keep your machine in proper working condition. Unauthorized modifications to the machine may impair the function and/or safety and affect machine life.</p> <p>If you do not understand any part of this manual and need assistance, contact Wagner-Smith Equipment Company.</p> |  |

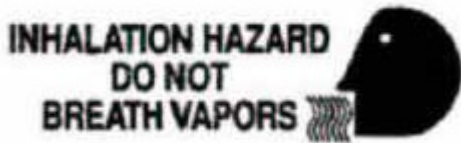
# SECTION “A”

## SAFETY

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| <p><b>PREPARE FOR EMERGENCIES</b></p> <p>Be prepared if a fire or accident occurs. Keep a first aid kit and fire extinguisher handy. Keep emergency numbers for doctors, ambulance service, hospital, and fire department near your telephone.</p>                                                                                                                                                                                                                                                                                                                                                                                                          |    |
| <p><b>PROTECT AGAINST NOISE</b></p> <p>Prolonged exposure to loud noise can cause impairment or loss of hearing.</p> <p>Wear a suitable hearing protective device such as earmuffs or earplugs to protect against uncomfortable loud noises.</p>                                                                                                                                                                                                                                                                                                                                                                                                            |    |
| <p><b>STAY CLEAR OF ROTATING SPINDLES AND CHAIN DRIVES</b></p> <p>Entanglement in rotating reel spindle and reel spindle drive can cause serious injury or death.</p> <p>Keep all guards in place at all times.</p> <p>Wear close fitting clothing. Stop the engine and be sure the drives are completely stopped before performing any type of service on the equipment.</p>                                                                                                                                                                                                                                                                               |   |
| <p><b>PRACTICE SAFE MAINTENANCE</b></p> <p>Understand service procedure before doing work. Keep area clean and dry. Never lubricate, service, or adjust machine while it is moving. Keep hands, feet, and clothing from power driven parts. Disengage all power and operate controls to relieve pressure. Stop the engine. Remove the key. Allow machine to cool.</p> <p>Keep all parts in good condition and properly installed. Fix damage immediately. Replace worn or broken parts. Remove all buildup of grease, oil, or debris.</p> <p>Disconnect battery ground cable (-) before making adjustments on electrical systems or welding on machine.</p> |  |

# SECTION “A”

## SAFETY

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                      |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| <p><b>AVOID HIGH -PRESSURE FLUIDS</b></p> <p>Escaping fluid under pressure can penetrate the skin causing serious injury.</p> <p>Avoid the hazard by relieving pressure before disconnecting hydraulic or other lines. Tighten all connections before applying pressure.</p> <p>Protect hands and body from high pressure fluids. If an accident occurs, see a doctor</p>                                                                                                                                                                                                                                                                                                                                                                                          |    |
| <p><b>REMOVE PAINT BEFORE WELDING OR HEATING</b></p> <p>Avoid potentially toxic fumes and dust.</p> <p>Hazardous fumes can be generated when paint is heated by welding, soldering, or using a torch.</p> <p>Do all work outside or in a well-ventilated area. Dispose of paint and solvent properly.</p> <p>Remove paint before welding or heating:</p> <ul style="list-style-type: none"> <li>• If you use sand or grind paint, avoid breathing the dust. Wear an approved respirator.</li> <li>• If you use solvent or paint stripper, remove stripper with soap and water before welding. Remove solvent or paint stripper container and other flammable material from area. Allow fumes to disperse at least 15 minutes before welding or heating.</li> </ul> |   |
| <p><b>SERVICE COOLING SYSTEM SAFELY</b></p> <p>Explosive release of fluids from pressurized cooling system can cause serious burns.</p> <p>Shut off engine. Only remove filler cap when cool enough to touch with bare hands. Slowly loosen cap to first stop to relieve pressure before removing completely.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |

# SECTION “A”

## SAFETY

### FILLING FUEL TANK



CAUTION: Handle fuel carefully. Do not fill the fuel tank when engine is running.

DO NOT smoke while filling fuel tank or servicing fuel system.

IMPORTANT: The fuel tank is vented through the filler cap. If a new filler cap is required, always replace it with an original vented cap.

Fill fuel tank at the end of each day's operation to prevent condensation in tank as moist air cools and freezing during cold weather.



SECTION “A”  
SAFETY

**WARNING**

**ELECTROCUTION  
HAZARD**

**DO NOT OPERATE THIS  
MACHINE WITHOUT  
PROPER GROUNDING**

SECTION “A”  
SAFETY

# WARNING

THIS MACHINE IS A HIGHLY  
SPECIALIZED PIECE OF  
EQUIPMENT THAT SHOULD BE  
OPERATED ONLY BY  
QUALIFIED PERSONNEL

# SECTION “B”

## INTRODUCTION

| FIG | DESCRIPTION  | PAGE # |
|-----|--------------|--------|
|     | INTRODUCTION | B – 2  |

# SECTION "B"

## INTRODUCTION



The **Wagner-Smith Company** Model S-RR-200K REEL ROLLER is designed to be used for removing cable from a reel for underground cable placement.

The Reel Roller is controlled by the Wagner-Smith Model PP-36 hydraulic power unit. The reel roller will accommodate reels from 10 feet to 15 feet in diameter weighing up to 200,000 lbs.

**Safety Caution!**

Always use safe working practice when using any type of cable handling equipment.

# SECTION "C"

## SPECIFICATIONS

| FIG | DESCRIPTION    | PAGE # |
|-----|----------------|--------|
|     | SPECIFICATIONS | C – 2  |

# SECTION "C"

## SPECIFICATIONS

**WAGNER-SMITH**

**MODEL: S-RR-200K REEL ROLLER**

Specification No. 43200-10

Date 05/27/2014, Page 1 of 1

### **UNIT PERFORMANCE (Using W/S PP-36 power unit):**

|                                           |                      |
|-------------------------------------------|----------------------|
| DRUM SPEED 15 FT DIA REEL                 | VARIABLE 0 – 3.4 RPM |
| DRUM SPEED 10 FT DIA REEL                 | VARIABLE 0 – 5.0 RPM |
| MAX. DRIVING FORCE APPLIED TO RIM OF REEL | 4000 LBS @ 2000 PSI  |

### **REEL CAPACITIES:**

|                     |                        |
|---------------------|------------------------|
| MAXIMUM DIAMETER    | • 15 FEET (180 INCHES) |
| MINIMUM DIAMETER    | • 10 FEET (120 INCHES) |
| WIDTH               | VARIABLE (26 FT MAX)   |
| MAXIMUM REEL WEIGHT | 200,000 LBS            |

### **UNIT DIMENSIONS:**

|                          |                           |
|--------------------------|---------------------------|
| UNIT LENGTH              | 240 INCHES                |
| UNIT WIDTH               | 48 INCHES PLUS REEL WIDTH |
| UNIT HEIGHT              | 98 1/2 INCHES W/O REEL    |
| UNIT WEIGHT (CALCULATED) | 13,675 LBS                |

# SECTION "C"

## SAFETY INFORMATION

### WAGNER-SMITH

### MODEL: S-RR-200K REEL ROLLER

Specification No. 43200-10

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### WARNING!



*READ AND UNDERSTAND ALL SAFETY PRECAUTIONS IN THIS MANUAL BEFORE OPERATING. FAILURE TO COMPLY WITH INSTRUCTIONS IN THIS MANUAL COULD RESULT IN PERSONAL INJURY, PROPERTY DAMAGE, AND/ OR VOIDING OF YOUR WARRANTY. WAGNER-SMITH EQUIPMENT WILL NOT BE LIABLE FOR ANY DAMAGE BECAUSE OF FAILURE TO FOLLOW THESE INSTRUCTIONS.*

#### Setting up reel roller:

- 1) Always establish a Safe Zone around Equipment while it is operating.
- 2) Always use Safe Working Practices and Caution when operating this equipment.
- 3) Reel Roller side frames must be anchored to concrete pad when in use. To accommodate the unit, a minimum pad length 252"(21' 0") x minimum pad width 48"(4' 0") plus reel width. Pad must be strong enough to support weight of reel roller plus weight of reel. Approximate weight of reel roller is 13,675 lbs. (6,838 lbs. per side) maximum allowable reel weight 200,000 lbs. Each side frame has 12 each 1" diameter anchoring holes. Use suitable concrete anchors to hold roller frames in alignment during operation.
- 4) When setting up the reel roller, side frames must be held parallel, rollers must be in alignment from one side frame to the other.
- 5) Always use fork lift pockets when lifting reel roller side frames.
- 6) Never attempt to lift roller side frames by the rollers or any other part of roller frame.
- 7) Locate the power unit on a level surface on the side of the reel roller where the hydraulic hose quick disconnect fitting are located. Place power unit on level ground a safe distance away from the reel roller where the operator is in plain view of the cable entrance to the man hole or conduit. 20 foot long hydraulic hoses are provided with the power unit for connecting power unit to reel roller.
- 8) Always stand to the side and a safe distance away from the reel roller and reel while unit is operating.
- 9) Never stand in line with the cable being pulled or allow any personnel in area of a pull.

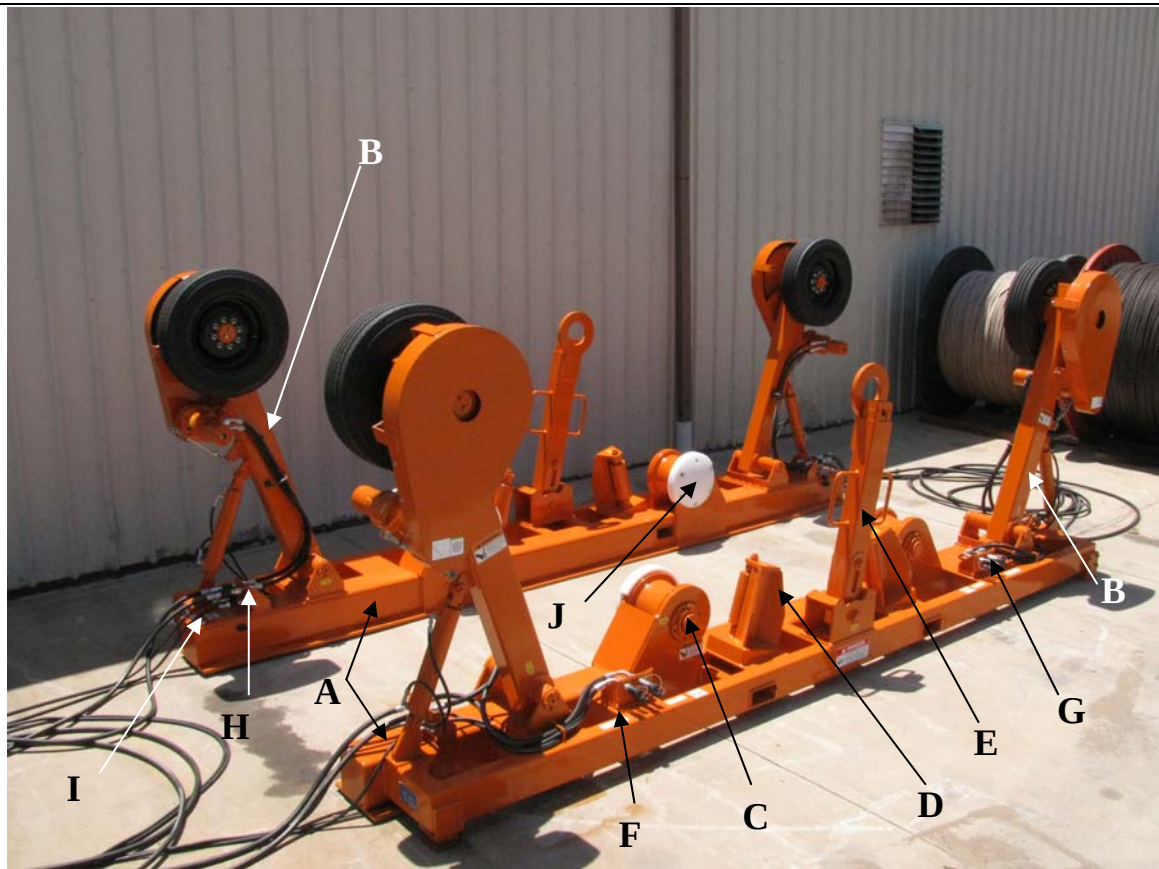
# SECTION “D”

## DESCRIPTION OF INDIVIDUAL FUNCTIONS

| FIG | DESCRIPTION         | PAGE #  |
|-----|---------------------|---------|
|     | DIESEL POWER UNIT   | D – 2   |
|     | HYDRAULIC RESERVOIR | D – 3   |
|     | CONTROLS            | D – 4,5 |
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|     | BATTERY BOX         | D – 7   |

# SECTION “D”

## DESCRIPTION OF INDIVIDUAL FUNCTIONS



### REEL ROLLER

The Wagner-Smith Model S-R-200K Reel Roller is used for removing cable from a reel. The Reel Roller consists of:

- A. Reel Roller consists of two side frames.
- B. Four rim drives, there are 2 each left hand drives and 2 each right hand drives. The rim drives are used to rotate the reel in the clock wise or counter-clockwise direction.
- C. The reel is rotated on 4 each 12 inch diameter steel rollers, these rollers are equipped with heavy duty Timken spherical roller bearings.
- D. Vertical steel rollers are positioned on each side of the reel flanges to prevent the reel from walking off the horizontal 12 inch diameter rollers.
- E. Reel spindle retaining arm, one at each end of the reel spindle prevents reel from rolling out of the cradle. (The reel spindle and spindle retainer caps are furnished by the customer)
- F. Drive 1 bulkhead bracket, contains quick disconnect fittings for Drive 1.
- G. Drive 2 bulkhead bracket, contains quick disconnect fittings for Drive 2.
- H. Bulkhead brackets, containing quick disconnect fittings for connecting hydraulic hoses between roller side frames, located at each end of outside roller frame.
- I. Bulkhead brackets with hoses connected for connecting inside and outside roller frames are located at each end of the inside roller frame. Each set of

# SECTION "D"

## DESCRIPTION OF INDIVIDUAL FUNCTIONS

hoses consists of 2 each -12 (loop hoses) and 2 each -6 hydraulic cylinder hoses. Hoses are 36 feet long to accommodate various reel widths up to 26 feet wide.

- J. UHMW plastic guards, the guards prevent damage to the cable jacket should it drop to the ground as the reel is rotated.



- B. Rim drives; there are 2 each left hand drives and 2 each right hand drives. The rim drives are used to rotate the reel in the clock wise or counter-clockwise direction.

# SECTION "D"

## DESCRIPTION OF INDIVIDUAL FUNCTIONS



C. The reel is rotated on 4 each 12 inch diameter steel rollers, these rollers are equipped with heavy duty Timken spherical roller bearings.



D. Vertical steel rollers are positioned on each side of the reel flanges to prevent the reel from walking off the horizontal 12 inch diameter rollers.

# SECTION "D"

## DESCRIPTION OF INDIVIDUAL FUNCTIONS



- E. Reel spindle retaining arm, one at each end of the reel spindle prevents reel from rolling out of the cradle. (The reel spindle and spindle retaining caps are furnished by the customer.)



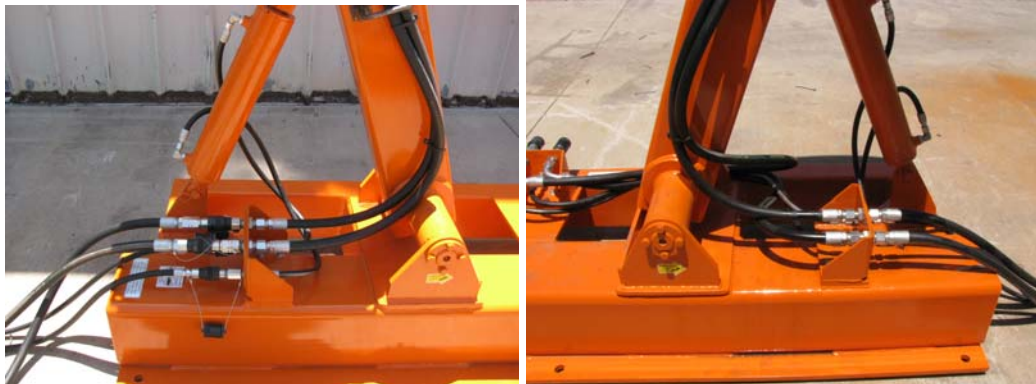
- F. Drive 1 bulkhead bracket, contains quick disconnect fittings for Drive 1.

# SECTION “D”

## DESCRIPTION OF INDIVIDUAL FUNCTIONS



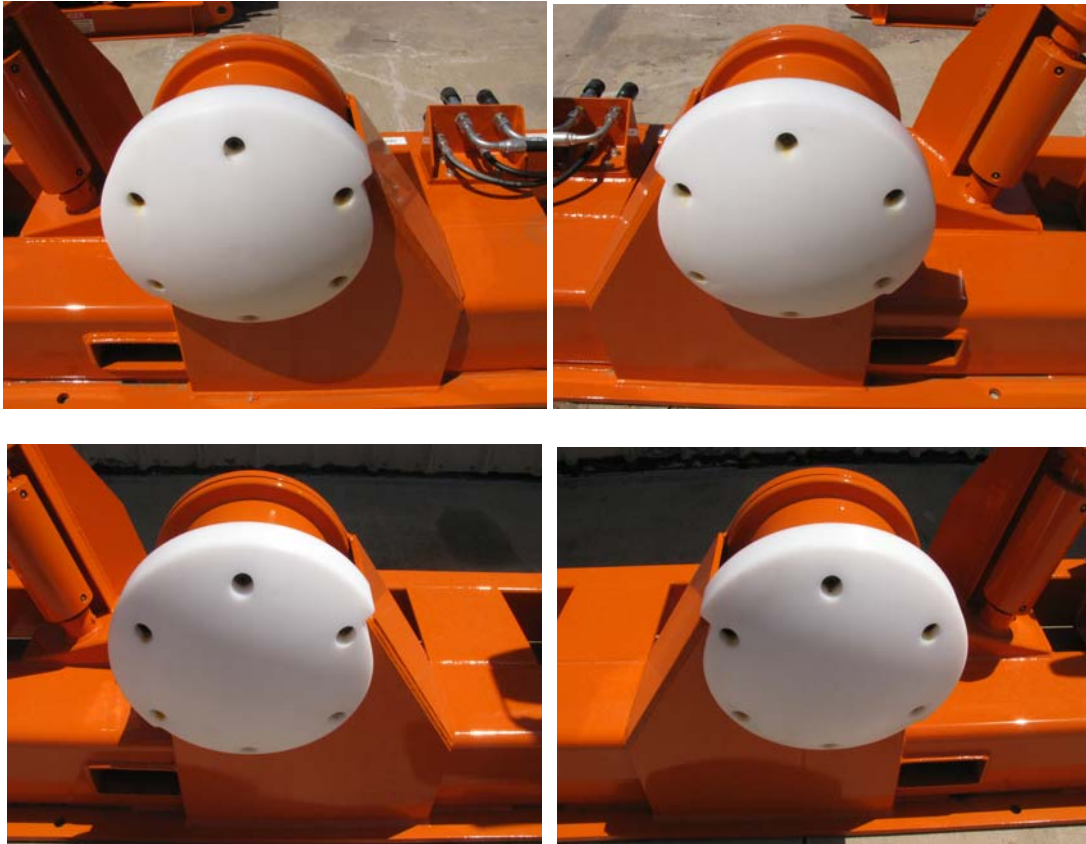
G. Drive 2 bulkhead bracket, contains quick disconnect fittings for Drive 2.



- H. Bulkhead brackets, containing quick disconnect fittings for connecting roller side frames, located at each end of outside roller frame.
- I. Bulkhead brackets with hoses connected for connecting inside and outside roller frames are located at each end of the inside frame. Each set of hoses consists of 2 each -12 (loop hoses) and 2 each -6 hydraulic cylinder hoses. Hoses are 36 feet long to accommodate various reel widths up to 26 feet wide.

# SECTION "D"

## DESCRIPTION OF INDIVIDUAL FUNCTIONS



- J. UHMW plastic guards, the guards prevent damage to the cable jacket should it drop to the ground as the reel is rotated.

# SECTION "E"

## OPERATIONS

| FIG | DESCRIPTION                            | PAGE # |
|-----|----------------------------------------|--------|
|     | FIELD SET UP                           | E – 2  |
|     | PREFORM DAILEY PREVENTATIVE MAINTAINCE | E – 2  |
|     | STARTING ENGINE                        | E – 3  |
|     | CHECKING HYDRAULIC PRSSURES            |        |

# SECTION “E” OPERATIONS

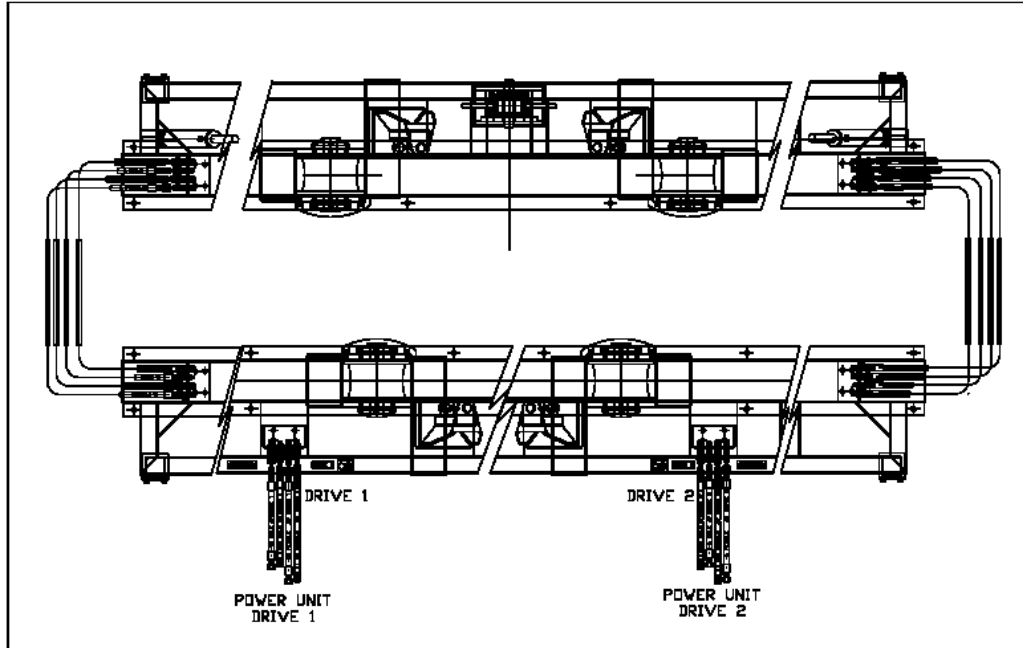


## FIELD SET UP

- A. Place the reel roller side frames on a level concrete slab large enough to locate and anchor side frames. The side frames must be positioned so the frames are parallel with rollers on each frame in line with rollers on opposite frame. The frames have 12 each 1" diameter anchoring holes and must be securely anchored using appropriate concrete anchors. Space the side frames so the center of the rollers is the same as the center of the reel flanges. This ensures that the rim drives are centered on the reel flanges.
- B. With the side frames properly spaced and anchored the power unit can be positioned. Position the power unit on the side of the reel roller where the hose disconnect fittings are located. Place power unit on level ground a safe distance away from the reel roller where the operator is in plain view of the cable entrance to the man hole or conduit.

# SECTION "E"

## OPERATIONS



### CONNECT HYDRAULIC HOSES

- C. Connect all hoses from power unit to reel roller:
- 1) Connecting hydraulic hoses from power unit to reel roller. The hoses are marked Drive 1 and Drive 2 and are to be connected to the Drive 1 and Drive 2 quick disconnect fittings located on the reel roller frame as shown above. There are 2 sets of hoses, each set containing 2 each  $\frac{3}{4}$ " diameter (-12) hoses and 2 each  $\frac{3}{8}$ " diameter (-6) hoses. The -12 hoses are the closed loop hoses for the rim drive motors, one hose has a male quick disconnect and the other has a female quick disconnect fitting. These hoses mate with the corresponding disconnects on the reel roller frame. The -6 hoses connect to the hydraulic cylinders that engage and disengage the rim drives, these hoses also have a male quick disconnect on one hose and a female quick disconnect on the other. Having a male disconnect on one hose and a female disconnect on the other prevents accidentally connecting the hoses to the wrong fittings. THE HOSES ARE MARKED "DRIVE 1" OR "DRIVE 2" AND MUST BE CONNECTED TO THE CORRESPONDING DRIVES ON THE REEL ROLLER.
  - 2) Connecting hoses between reel roller side frames:  
The reel roller side frames are connected from each end with one set of 4 hoses (see above layout). These hoses are 36 feet long to accommodate various reel widths. There are 2 each  $\frac{3}{4}$ " diameter (-12) hoses and 2 each  $\frac{3}{8}$ " diameter (-6) hoses, one hose of each size has a male quick disconnect and one of each size has a female quick disconnect and connect to the corresponding fittings on the outside roller frame. Having a male disconnect on one hose and a female disconnect on the other prevents accidentally connecting the hoses to the wrong fittings.
- D. Check unit operations before loading a reel:
- 1) Starting the engine:
    - a. Make sure all gate valves on the reservoir are open.
    - b. Check fluid level in reservoir, add fluid if necessary, (system is filled with Chevron Rando HDZ ISO grade 46, "DO NOT MIX HYDRAULIC FLUIDS").
    - c. Check to make sure all hydraulic hoses are properly connected, i.e. Drive 1 hoses to Drive 1 and Drive 2 hoses to Drive 2.

# SECTION “E”

## OPERATIONS

- d. Start the engine (see engine owner's manual for starting procedure). Check for hydraulic leaks while engine warms up.
  - e. Cycle the rim drive engaging cylinder by shifting both valves to the engage (detent) position and allow cylinders to extend fully. Engine should be at high idle when operating unit. If cylinders do not move increase the hydraulic pressure on the engaging circuits. The cylinders nearest the power unit will extend first, this is normal each cylinder operates independent from the other cylinder. This allows the cylinders to remain in contact with the reel flange as it rotates if the flange is out of round. After cylinders have fully extended shift the control valve to the disengage position and allow cylinders to fully retract. Valve is spring loaded to center from the disengage position.
  - f. Check the rotation of the rim drive wheels to ensure they are rotating in the proper direction. The pump stroke levers control the speed and direction of rotation of the rim drive wheels. The wheel speed is directly proportional to the distance these levers are moved from center position in either direction. The rim drive pressure is adjustable in the pay-out direction only up to a maximum of 2250 psi. This is the preferred direction of rotation for removing cable from a reel. The hydraulic pressure is factory set to 1500 psi. in the pull-in direction.
- E. Loading a cable reel:
- 1) Never use the reel spindle to lift or adjust a reel.
  - 2) Check reel diameter, must be between 10 ft. 0 in. minimum and 15 ft. 0 in. maximum.
  - 3) Check centerline width of reel flanges and the centerline width of the rollers to make sure they are the same.
  - 4) Load the reel on the rollers
  - 5) Insert the spindle tube and slide it thru the reel until it extends thru the reel approximately 3 to 4 inches.
  - 6) Remove retaining pin in spindle retainer and raise retainer tube until spindle tube will slide thru. Slide spindle tube thru until end of tube is approximately 3 to 4 inches from the end of the reel on the opposite side.
  - 7) Install spindle retainer cap to end of spindle then remove retaining pin from spindle retainer on the opposite side.
  - 8) Raise spindle retainer tube until spindle tube will slide thru, slide spindle tube thru and install retainer cap. (Spindle tubes and retainer caps are furnished by customer).
  - 9) Replace retaining pins in the spindle retainer tubes, the retainer tubes are slotted to allow 6 inches of movement in reel spindle tube for non-concentric arbor holes in reel flanges.
- F. Operating the rollers.
- 1) Start the engine, allow engine to warm up then increase engine speed to high idle.
  - 2) Engage the rim drives by shifting the drive engaging valves to the Engage (detent) position. Allow all 4 drives to fully engage before rotating reel. Hydraulic pressure for the reel drives should be slightly higher than pressure required to keep drive wheels from slipping on reel flange. With this pressure set low it allows the drive to move in or out more easily so the tire stays engaged with the reel flange if the reel flange is out of round. Rim drive engaging valves must remain in the detent position during operation to keep pressure on the rim flange. Set engaging pressure the same on both drives.
- G. Powering the rollers.
- 1) Shift the directional control levers slightly in the pay-out direction if the reel does not start to turn observe the pressure gauge and increase drive pressure by turning the drive pressure control knob clockwise until the reel starts to turn. When the reel starts to turn rotate the pressure control one additional turn. One turn of the pressure control knob will increase pressure setting by approximately 700 psi. Set both drives to approximately the same pressure setting. The drive speed is directly proportional to the distance the stroke control levers are moved from center in either direction.
  - 2) To stop the reel from turning return the stroke control levers to center position.
  - 3) The reel will not turn with the stroke control levers in center position and the rim drives remain engaged.

# SECTION “F”

## ROUTINE MAINTENANCE

| FIG | DESCRIPTION              | PAGE # |
|-----|--------------------------|--------|
|     | BEFORE OPERATING UNIT    | F – 3  |
|     | DAILY INSPECTION         | F – 3  |
|     | EACH 50 HOUR INSPECTION  | F – 3  |
|     | EACH 100 HOUR INSPECTION | F – 3  |
|     | EACH 200 HOUR INSPECTION | F – 4  |
|     | EACH 400 HOUR INSPECTION | F – 5  |
|     | MOTOR SERVICING          | F – 5  |

# SECTION “F”

## ROUTINE MAINTENANCE



The **Wagner-Smith Company** Model S-RR-200K REEL ROLLER is designed to be used for removing cable from a reel for underground cable placement.

The Reel Roller is controlled by the Wagner-Smith Model PP-36 hydraulic power unit. The reel roller will accommodate reels from 10 feet to 15 feet in diameter weighing up to 200,000 lbs.

**Safety Caution!**

Always use safe working practice when using any type of cable handling equipment.

# SECTION “F”

## ROUTINE MAINTENANCE

### BEFORE OPERATING UNIT

1. All mounting bolts and nuts for tightness.
2. Check drive chains and sprockets (Fig. 1).
  - Chain should be tight (Fig. 1).
  - Sprockets should be in alignment (Fig. 15).



Figure 1 Drive Chain  
and Sprockets

### A DAILY INSPECTION SHOULD BE MADE EACH DAY THE UNIT IS IN USE

1. Before starting the components:

### EACH 50 HOUR INSPECTION

1. Grease pivot points

### EACH 100 HOUR INSPECTION

1. Perform 50 hour inspection.

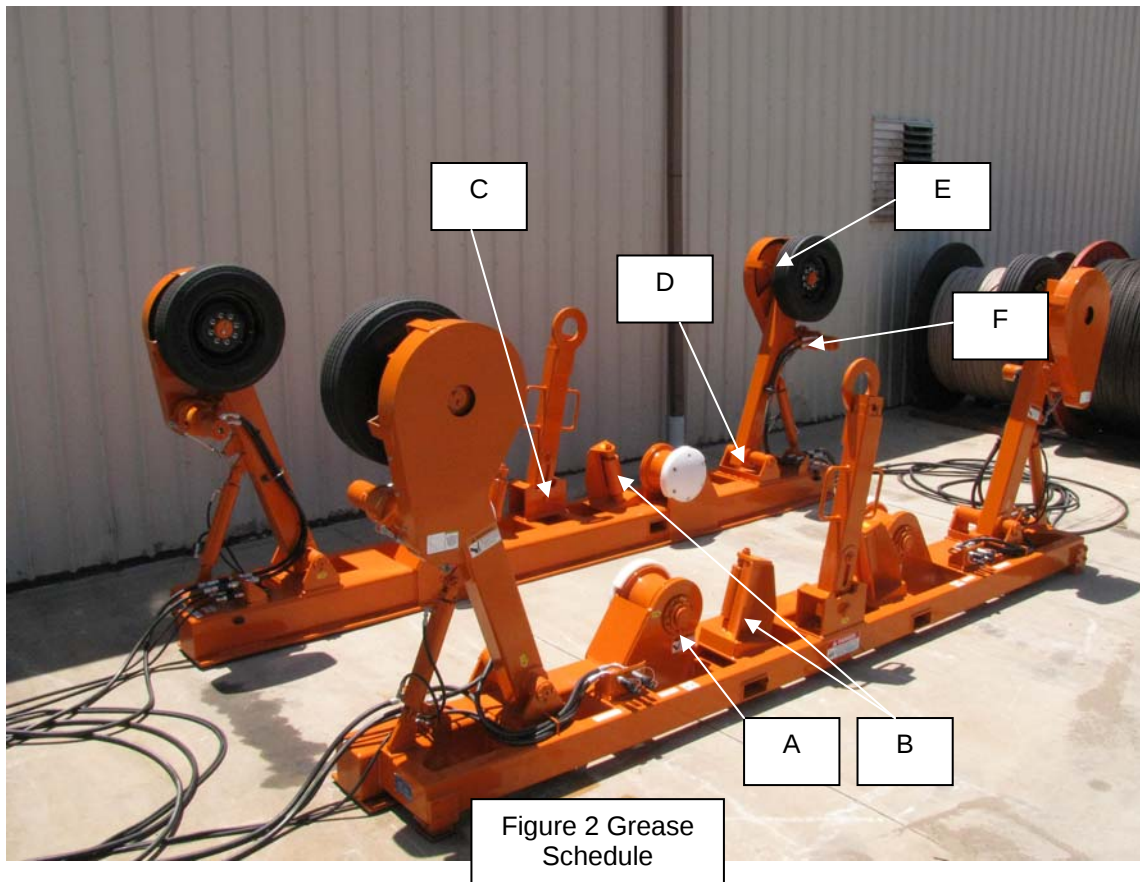
# SECTION “F”

## ROUTINE MAINTENANCE

### EACH 200 HOURS/3 MONTHS INSPECTION

1. Perform 100 hour inspection.
2. Refer to engine owners and operator's manual.
3. Grease Roller Shaft Bearings (Figs. 2 - 9).

The amount of grease that the bearing will take for a particular application can only be determined by experience. If excess grease is applied to the bearing it will cause overheating. It will be necessary to remove grease fitting to permit excess grease to escape. When establishing a lubricating schedule, note that a small amount of grease at frequent intervals is preferable to a large amount at infrequent intervals. **Use a No. 2 Lithium base grease or equivalent.**



- A. Roller Shaft Bearing Fig. 3 & 4A Cover has to be removed to grease 4A.  
B. Vertical Roller Bearing 5A  
C. Reel Pivot Bearing Fig. 5  
D. Drive Pivot Bearing Fig. 6 & 7  
E. Rim Axle Drive Fig. 8  
F. Rim Drive Housing Bearings Fig. 9

# SECTION "F"

## ROUTINE MAINTENANCE

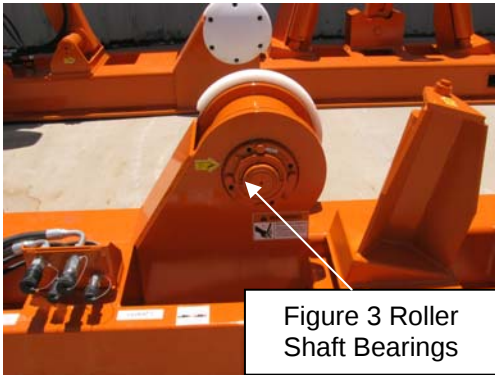


Figure 3 Roller  
Shaft Bearings

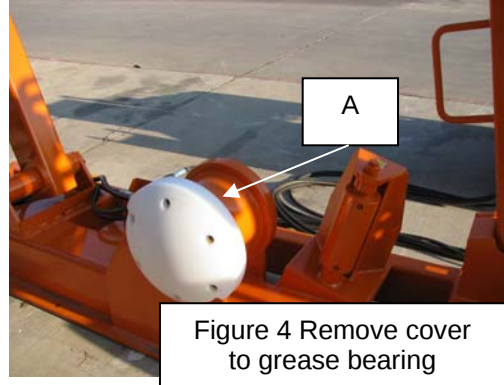


Figure 4 Remove cover  
to grease bearing

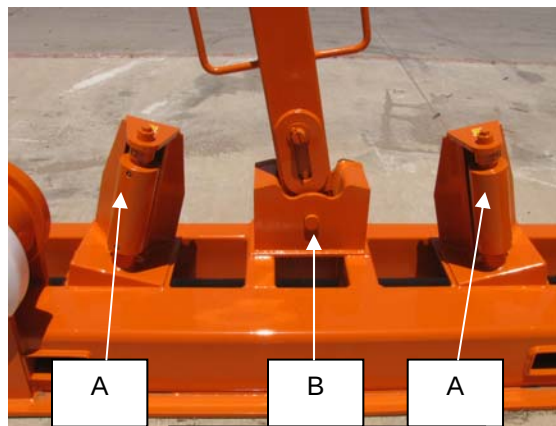


Figure 5 Pivot Shaft  
Bearing & Rollers

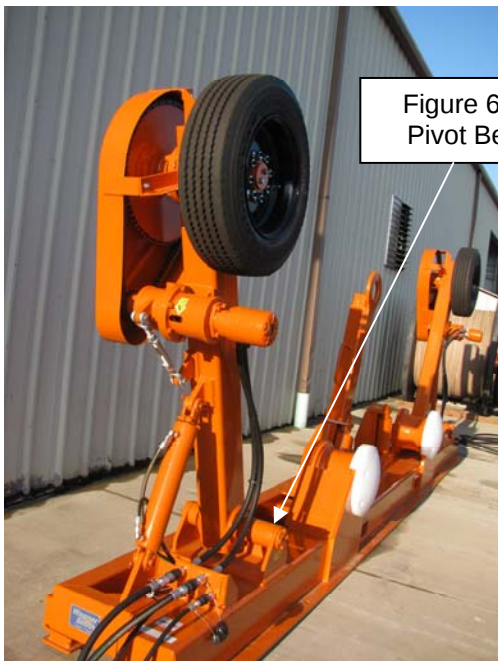


Figure 6 Drive  
Pivot Bearing



Figure 7  
Drive Pivot Bearing

# SECTION "F"

## ROUTINE MAINTENANCE



Figure 8 Rim  
Drive Bearings

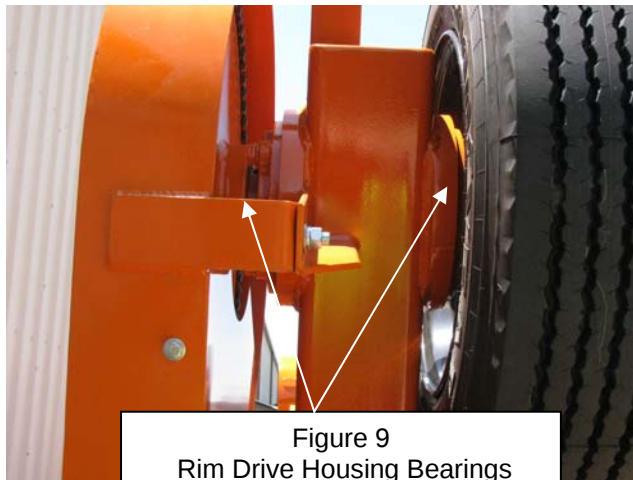


Figure 9  
Rim Drive Housing Bearings

### **EACH 400 HOUR/6 MONTHS INSPECTION**

1. Perform 200 hour inspection.

### **MOTOR SERVICING**

1. For servicing the ROSS Motor (ME290105AAAB) see in Section "J" of this manual.

# WARRANTY

## MANUFACTURED PRODUCTS

It is expressly agreed that there are **NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS, MADE BY THE MANUFACTURER, THE WAGNER-SMITH EQUIPMENT COMPANY, ON PARTS FURNISHED HEREUNDER, EXCEPT THE MANUFACTURER'S WARRANTY AGAINST DEFECTIVE MATERIALS OR WORKMANSHIP AS FOLLOWS:**

### Manufacturer's Warranty Against Defective Materials or Workmanship

The manufacturer warrants each new piece of equipment (including original equipment placed thereon by the manufacturer), and all parts manufactured by it to be free from defects in material or workmanship under normal use and service, its obligation under this warranty to be limited to making good at its factory any part or parts thereof which shall, within 180 days after the equipment is put in service or 1 year after the date of sale, whichever is first to occur, be returned, with transportation charges prepaid and which its examination shall disclose to its satisfaction to have been thus defective. **THIS WARRANTY BEING EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS, AND ALL OTHER OBLIGATIONS OR LIABILITIES ON ITS PART, AND IT NEITHER ASSUMES NOR AUTHORIZES ANY PERSON TO ASSUME FOR ITS ANY OTHER LIABILITIES IN CONNECTION WITH THE SALE OF ITS EQUIPMENT.** This warranty shall not apply to any equipment which shall have been repaired or altered by any other than an authorized **WAGNER-SMITH EQUIPMENT COMPANY** service representative in any way so as in the judgment of the manufacturer, to affect its stability and reliability, or which has been to misuse, negligence, or accident.

The manufacturer agrees to furnish to the purchaser any part or parts found so defective without expense to the owner of such equipment and will install said parts free of cost to the owner, at the manufacturer's plant in Burleson, Texas, or such other place closer to the location of the equipment, as may be designated by the manufacturer.

### LIMITATION OF LIABILITY

**THIS WARRANTY TO REPAIR IS THE ONLY WARRANTY WHETHER EXPRESSED, IMPLIED, OR STATUTORY, EITHER OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR USE, UPON WHICH SAID EQUIPMENT IS SOLD. THE MANUFACTURER'S LIABILITY IN CONNECTION WITH THIS TRANSACTION IS EXPRESSLY LIMITED TO THE REPAIR OR REPLACEMENT OF DEFECTIVE PARTS, AS ABOVE PROVIDED, AND ALL OTHER DAMAGES AND WARRANTIES, STATUTORY OR OTHERWISE, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS, BEING EXPRESSLY WAIVED BY THE PURCHASES. THIS INCLUDES ANY EXPENSE FOR DOWN-TIME, CONDUCTOR DAMAGE OR OTHER CONTINGENT EXPENSE WHICH MAY OCCUR.**

No representative of the manufacturer has authority to change this warranty on this contract in any manner whatsoever, and no attempt to repair or promise to repair or improve the equipment covered by this contract by any representative of the manufacturer shall waive any consideration of the contract, change, or extend this warranty in any manner whatsoever.

The warranty hereinabove is effective only if the purchaser reasonably maintains the equipment and it is kept lubricated and otherwise used according to the manufacturer's instructions.

**THIS WARRANTY IS IN LIEU OF ALL OTHER EXPRESSED OR IMPLIED WARRANTIES OF THE MANUFACTURER, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS.**