



PLEASE READ THE ENTIRE CONTENTS OF THIS MANUAL PRIOR TO INSTALLATION AND OPERATION. BY PROCEEDING YOU AGREE THAT YOU FULLY UNDERSTAND AND COMPREHEND THE FULL CONTENTS OF THIS MANUAL. FORWARD THIS MANUAL TO ALL OPERATORS. FAILURE TO OPERATE THIS EQUIPMENT AS DIRECTED MAY CAUSE INJURY OR DEATH.

REV C 04-01-16  
P/N 5900382

## ASSEMBLY AND OPERATION MANUAL

### 1,500-lb. ENGINE SUPPORT

MODEL:  
**RST-500ES**

VER: B

#### READ FIRST



Do not operate this machine until you read and understand all the dangers, warnings and cautions in this manual.



Keep this operation manual near the machine at all times. Make sure that ALL USERS read this manual.

#### SHIPPING DAMAGE CLAIMS

When this equipment is shipped, title passes to the purchaser upon receipt from the carrier. Consequently, claims for the material damaged in shipment must be made by the purchaser against the transportation company at the time shipment is received.

#### BE SAFE

Your new Engine Support was designed and built with safety in mind. However, your overall safety can be increased by proper training and thoughtful operation on the part of the operator. DO NOT operate or repair this equipment without reading this manual and the important safety instructions shown inside.



1645 Lemonwood Dr.  
Santa Paula, CA. 93060, USA  
Toll Free 1-800-253-2363  
Tel: 1-805-933-9970  
Fax: 1-805-933-9160  
[www.bendpak.com](http://www.bendpak.com)



## UN-CRATING / PACKING INSTRUCTIONS

Carefully remove the crating and packing materials including all skid and pallet fasteners. Be careful when cutting banding material as items may become loose and fall causing personal harm or injury. Always wear gloves when un-crating the product to prevent scratches, abrasions, or cuts due to the contact with packing materials. Remember to report any shipping damage to the carrier and make a notation on the delivery receipt.



## OWNER'S RESPONSIBILITY

To maintain machine and user safety, the responsibility of the owner is to read and follow these instructions:

- ◆ Follow all installation instructions.
- ◆ Make sure installation conforms to all applicable Local, State, and Federal Codes, Rules, and Regulations; such as State and Federal OSHA Regulations and Electrical Codes.
- ◆ Carefully check the unit for correct initial function.
- ◆ Read and follow the safety instructions. Keep them readily available for machine operators.
- ◆ Make certain all operators are properly trained, know how to safely and correctly operate the unit, and are properly supervised.
- ◆ Allow unit operation only with all parts in place and operating safely.
- ◆ Before moving the Engine Support, ensure the load is stable.
- ◆ Never remove safety related components or device from the machine. Do not use if safety related components are damaged or missing.

## TOOLS REQUIRED

Adjustable Wrench or Metric open end /combination wrenches.

NOTE: The RST-500ES has 1 Chain and 1 Adjustable Screw.

## INSTALLATION INSTRUCTIONS

1. Connect both Standing Brackets (5.1) to the Block Connectors (5). Use the Hair Pin Clip (13), Washer (12) and Clevis Pin (11).
2. Insert the Block Connectors (5) through the Beam Extension (4). Use the Washers (2) and the Handwheels (1)) to attach the Block Connectors (5) to the Beam Extension (4). Tighten the Handwheels (1). Next, tighten the Beam (3) with Locking Knobs (10).



**NEVER STAND, WORK, OR PLACE YOUR HAND(S) UNDER AN OBJECT THAT IS BEING LIFTED BY THE ENGINE SUPPORT. AN OBJECT FALLING FROM THE ENGINE SUPPORT CAN CAUSE SERIOUS INJURY.**

3. Insert the Adjustable Screw (7) through the Beam (3). Use the Washers (8) and the Grip Handles (9) to attach the Adjustable Screw (7) to the Beam (3). Tighten the Grip Handles (9).
4. Attach the Chain (6) to the Adjustable Screw (7). The Engine Support is now ready for use.

## OPERATION INSTRUCTIONS

1. Ensure the Rubber Blocks are located securely in the Gutter of the vehicles Front Wing Panel by adjusting both Standing Brackets on RST-500ES. Check with the Vehicle manufacturer to ensure the selected support points are capable of handling the rated load of the engine or component being supported by the Engine Support.



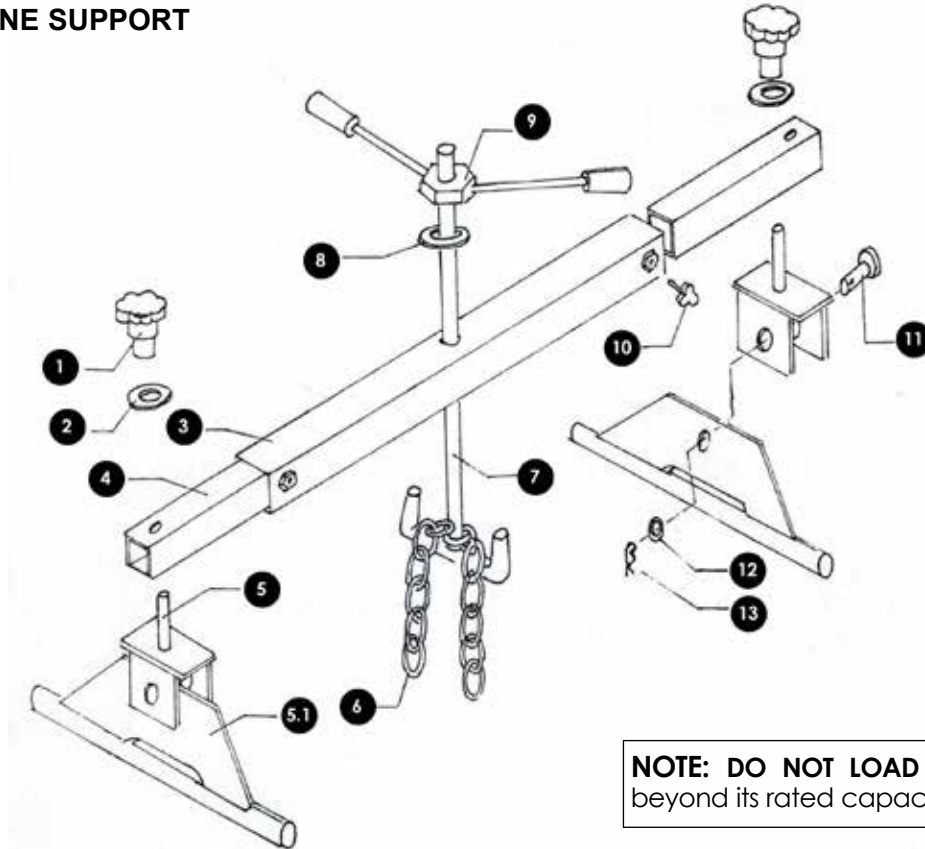
2. Once positioned correctly, tighten both top Handwheels on the RST-500ES. Ensure all nuts and bolts are tightened before applying the load. Always check that the engine or component is properly secured to the support via a suitable chain or properly rated sling.



3. This equipment to be operated by professional personnel ONLY. Keep all visitors and children away from work area.

## RST-500ES SPECIFICATIONS

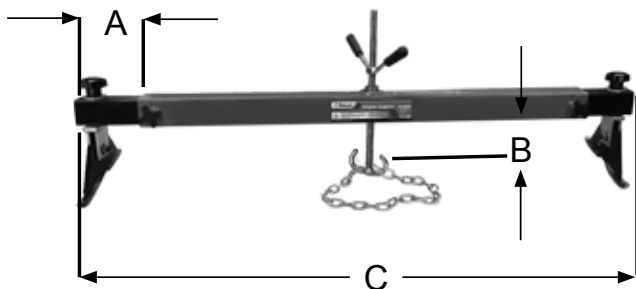
### 1,500-lb. ENGINE SUPPORT



**NOTE: DO NOT LOAD** this Engine Support beyond its rated capacity.

PART	DESCRIPTION	QTY.
1	Handwheel	2
2	φ 13 Washer	2
3	Crossbeam	1
4	Beam Extension	2
5	Block Connector	2
5.1	Standing Brackets	2
6	Chain	1

PART	DESCRIPTION	QTY.
7	Adjustable Screw	1
8	Washer	1
9	Grip Handle	1
10	Locking Knob	2
11	Clevis Pin	2
12	Washer	2
13	Hair Pin Clip	2



RST-500ES	
A - Arm Extension	2.75" - 11.5" (70mm - 292mm)
B - Adjustable Screw Travel	Up to 13" (330mm)
C - Overall Length	40" - 63" (1016mm - 1600mm)



1645 Lemonwood Dr. ● Santa Paula, CA. 93060, USA  
Toll Free: 1(800) 253-2363

**FOR TECHNICAL SUPPORT**  
1-(800) 253-2363 Ext. 196

**TO ORDER PARTS**  
1-(800) 253-2363 Ext. 191