

W- Rotisserie User Manual



WEAVER
E Q U I P M E N T

Please read this manual before operation

IMPORTANT INFORMATION

Any freight damage must be noted on the freight bill before signing. Identify the components and check for shortages. If shortages are discovered, please contact the Derek Weaver Company at 817-560-9510.

Make sure you have extra help or heavy duty lifting equipment when unloading and assembling the W-Rotisserie.

Please read the safety procedures and operating instructions in this manual before operating W-Rotisserie unit. Keep this manual near W-Rotisserie unit at all times. Make sure all operators read this manual.

This is a W-Rotisserie unit installation/operation manual and no attempt is made or implied herein to instruct the user in specific methods particular to an individual application. Rather, the contents of this manual are intended as a basis for operation and maintenance of the W-Rotisserie unit as it stands alone or as it is intended and anticipated to be used in conjunction with other equipment.

Proper application of the equipment described herein is limited to the parameters detailed in the specifications and the uses set forth in the descriptive passages. Any other proposed application of this equipment should be documented and submitted in writing to the factory for examination. The user assumes full responsibility for any equipment damage, personal injury, or alteration of the equipment described in this manual or any subsequent damages.

OWNER / EMPLOYER RESPONSIBILITIES

- Shall establish procedures to periodically maintain, inspect, and care for the W-Rotisserie unit in accordance with the manufactures recommended procedures to ensure its continued safe operations.
- Shall not modify the W-Rotisserie unit in any manner without prior written consent of the manufacturer.
- Shall insure that lift operators are instructed in the proper and safe use and operation of the W-Rotisserie unit using the manufacturer's instructions.

SAFETY PROCEDURES

Do not exceed maximum weight capacity of 2500lbs.

Prior to working with W-Rotisserie unit, walk around and check for any objects that might interfere with the operation of unit such as: tools, air hoses, shop equipment, etc.

These are generic instructions, please keep in mind there are different ways to hook up the same vehicle. Make sure to properly secure and balance vehicles center of gravity before using the W-Rotisserie.

NOTE: There are no set rules when hooking up a vehicle. Make sure you utilize structural mount point on the vehicle.

GENERAL INFORMATION and FEATURES

The W-Rotisserie is a restoration rotisserie that is designed to make restoring any vehicle a simple and easy task. The W-Rotisserie uses heavy duty ram jacks at each end with a slow release mechanism for safe load lowering and also incorporates an extra long power stroke with hydraulic bypass valves preventing the cylinders from over traveling.

The W-Rotisserie will also lower down to most bumper heights allowing capability to lift the body of the vehicle to any height.

Whether you're an owner of a large restoration shop or simply a home hobbyist, the W-Rotisserie provides an efficient and affordable way for anyone to restore old classic vehicles.

Assembly

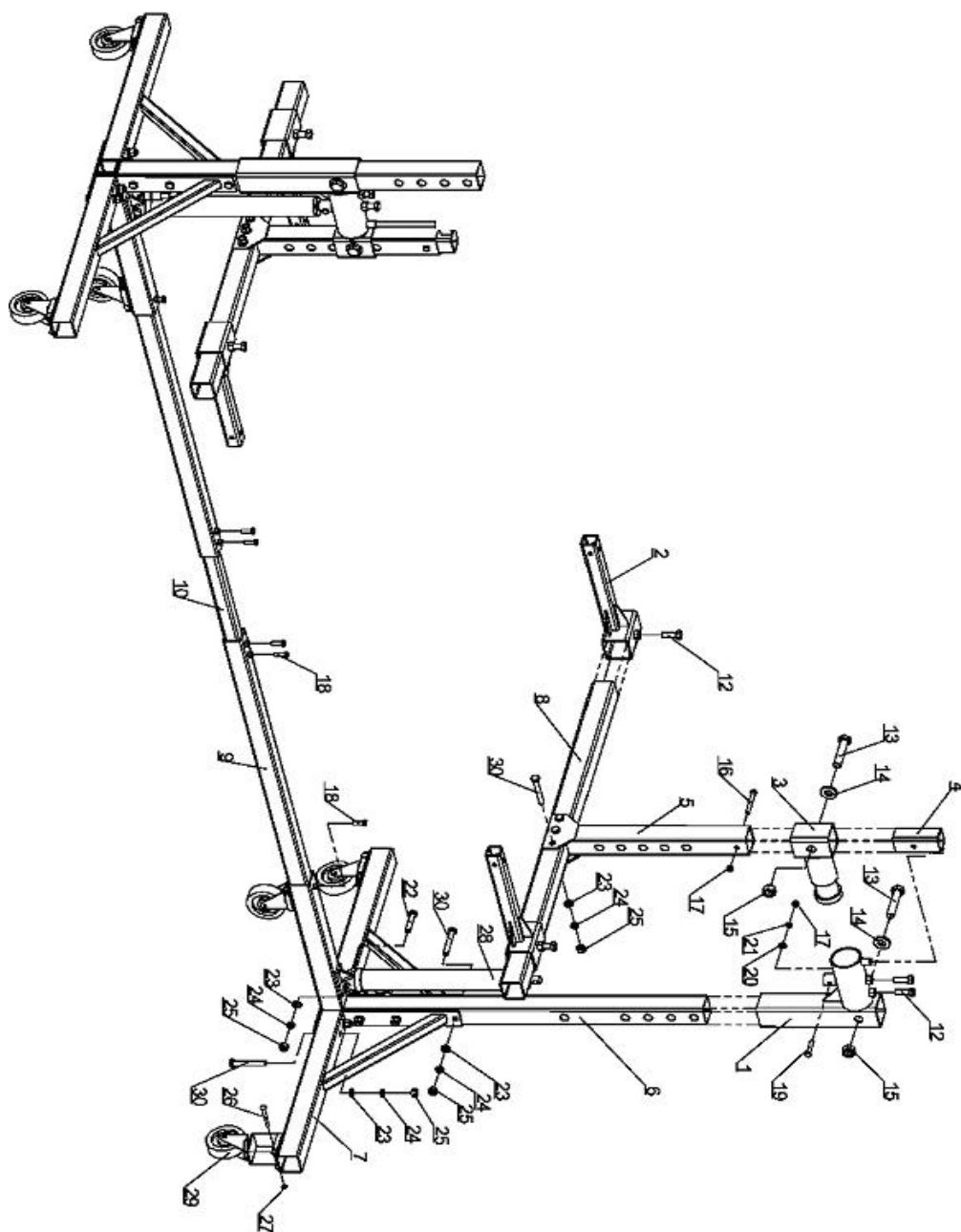
1. Install the 6 Caster Wheels to the bottom of each Rack Leg. **NOTE:** Do not over tighten bolts. Install Upright to legs as shown. You will install 7 bolts, flat washers, lock washers and nuts. See Figure 1 on Page 8.
2. Install Horizontal Swing Arms as shown in Figure 2 on Page 9.
3. Apply good grade lithium shop grease to all sliding parts. This will provide for smooth and easier operation.
4. Check your mounting point for your particular vehicle. This can be different, depending on the make/model of your vehicle.
5. With the vehicle on Jack Stands, center the W-Rotisserie bases to the front and rear of vehicle. **NOTE:** Sometimes vehicles are heavier on one side and will need to be offset to that side.
6. Mount the W-Rotisserie Adapter Arms to the vehicle. See Figure 3 on Page 10.
7. Place the Connecting Tubes in the center of the W-Rotisserie unit end pieces and tighten bolts. See Figure 4 on Page 10. **NOTE:** Leave one end loose until ready to lift vehicle.
8. Check all mounting bolts to insure they are tightened properly and there is enough distance between the vehicle and W-Rotisserie unit.
9. Make sure that W-Rotisserie bases are parallel to each other. Now you can fully tighten the Connecting Tubes.
10. Now begin lifting the vehicle up with the hydraulic cylinders. Lift just high enough to remove the jack stands.

Note: The vehicle is not centered and balanced. **Do Not Attempt** to use the rotating crank to spin the vehicle when it is not balanced. **Attempting to spin the vehicle using the Rotating Crank when the vehicle is unbalanced can cause personal injury, vehicle damage and damage to Rotating Crank that will not be covered by warranty.**

VEHICLE BALANCING OPERATION

(Adjusting the "Center of Gravity" of the Vehicle)

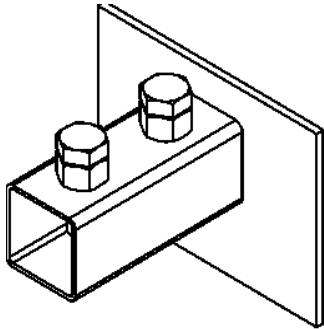
11. **CAUTION:** This is the most dangerous time during the use of the W-Rotisserie. We have incorporated safety features that prohibit you from turning the W-Rotisserie unit while adjusting. This also prevents the unit from slipping while adjusting.
12. Always start with the Swing arms (upside down "T") as low as it can be. **NOTE:** This will make the vehicle bottom heavy to help prevent causing an accident or personal injury.
13. Tighten the lock nut on the Pivot Point Base to prevent the vehicle from turning during adjustment. See Figure 5 on Page 11. **NOTE:** This is what prevents you from turning while adjusting.
14. Support the weight of the vehicle using jack stands.
15. Raise the mounted vehicle slightly using a floor jack to allow removal of the Bolt, Washer and Nut that holds the Swing Arm in place. See Figure 6 on Page 12.
16. Raise the Swing Arm to the next hole using a floor jack. Replace Bolt, Washer and Nut and tighten. Raise Jack Stands to support vehicle weight
17. Repeat Step 17 on other end of Rotisserie.
18. Test the balance by rotating the vehicle from side to side.
19. If the vehicle is still bottom heavy REPEAT FROM STEP #13 testing the balance in each hole. **NOTE:** As long as you don't skip holes the difference from one hole to the next is never so great as to become uncontrollable.
20. Once the vehicle is balanced on the Rotisserie you can use the Rotating Handle to rotate the balanced vehicle. **CAUTION:** If you attempt to rotate and unbalanced vehicle you risk injury, an unsafe situation and possible damage to your vehicle.



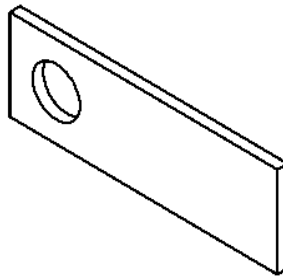
W-Rotisserie Parts Breakdown

Part Number	Description	Quantity
1	Pivot Point Base	2
2	Adapter Arms	4
3	Pivot Attachment	2
4	Rotation Balancer	2
5	Swing Arm Upright	2
6	Rack Weld Upright	2
7	Rack Legs	4
8	Swing Arm Horizontal	2
9	Connecting Tube	2
10	Connecting Tube	1
12	M18×50 (2" Long) Bolt	8
13	M24×120 (4-3/4" Long) Bolt	4
14	Washer	4
15	M24 Hex Nut	4
16	M12×100 (3-15/16" Long) Bolt	2
17	M12 Hex Nut	4
18	M12×35 (1-3/8" Long) Bolt	6
19	M12×60 (2-3/8" Long) Bolt	2
20	Ø12 Flat Washer	2
21	Ø12 Lock Washer	2
22	M16×80 (3-1/8" Long) Bolt	2

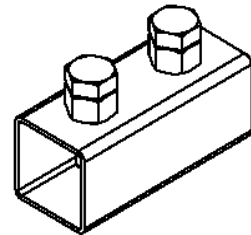
W-Rotisserie Adapters



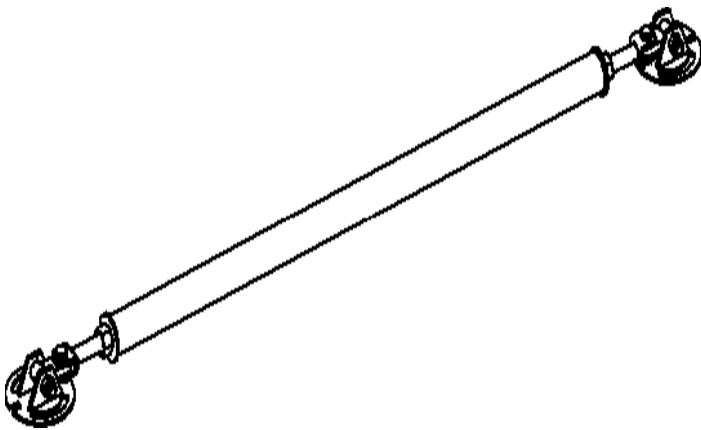
2 - Uni-Body Bracket



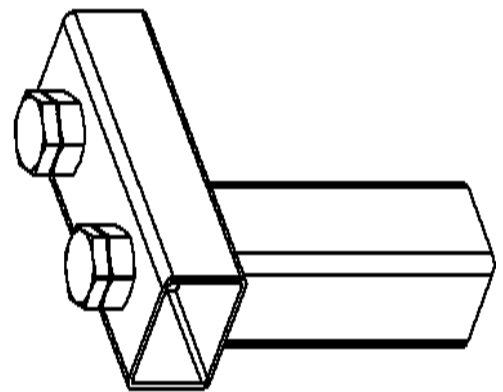
**2 - Mounting Bracket Used
with Leaf Spring Bracket**



2 - Leaf Spring Bracket



2 - Universal Door Bar



2 - Valance Bracket

Figures for Installation

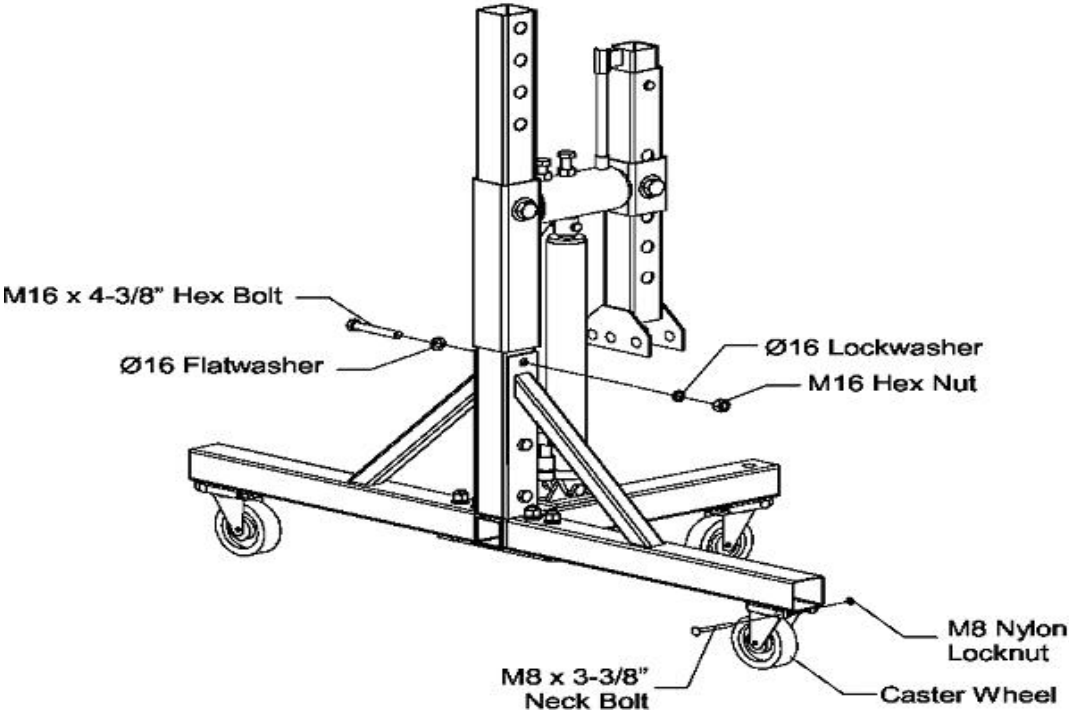


Figure 1

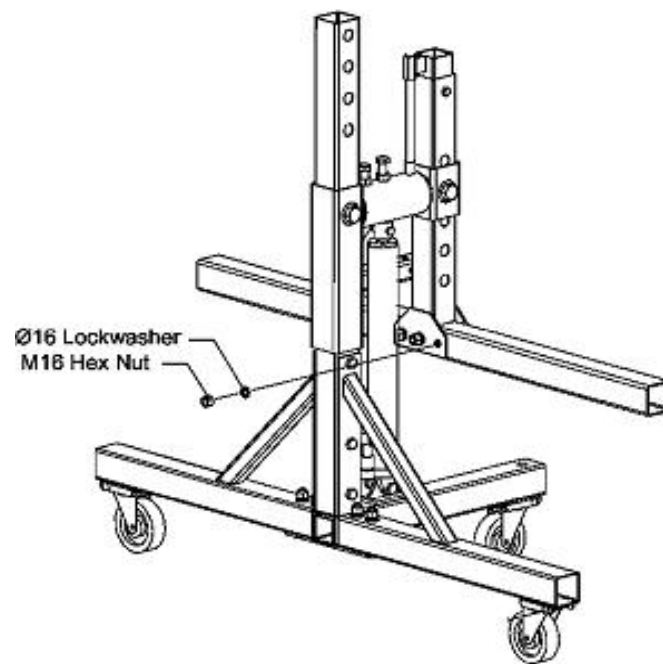


Figure 2

Figure 3

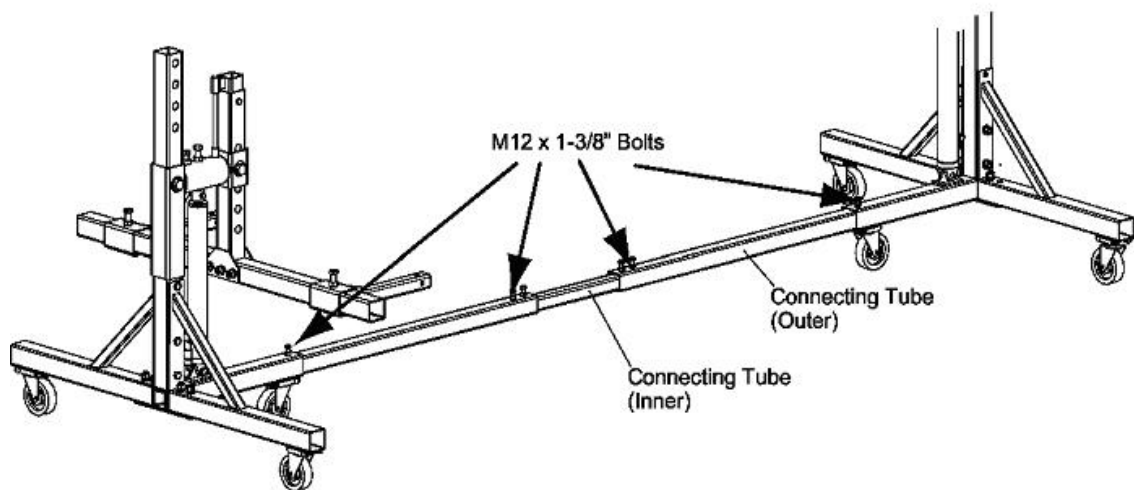
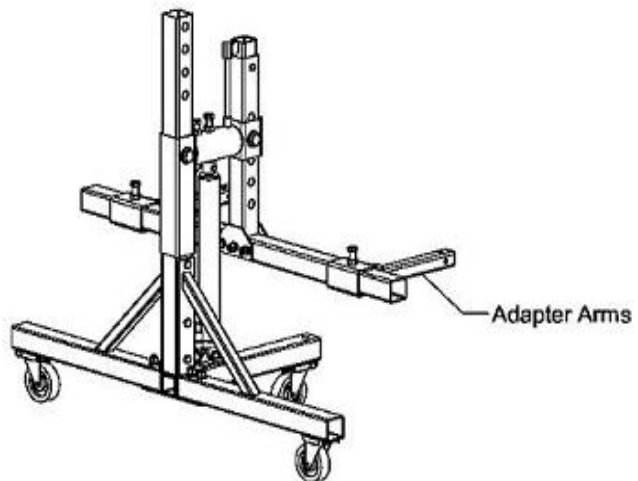


Figure 4

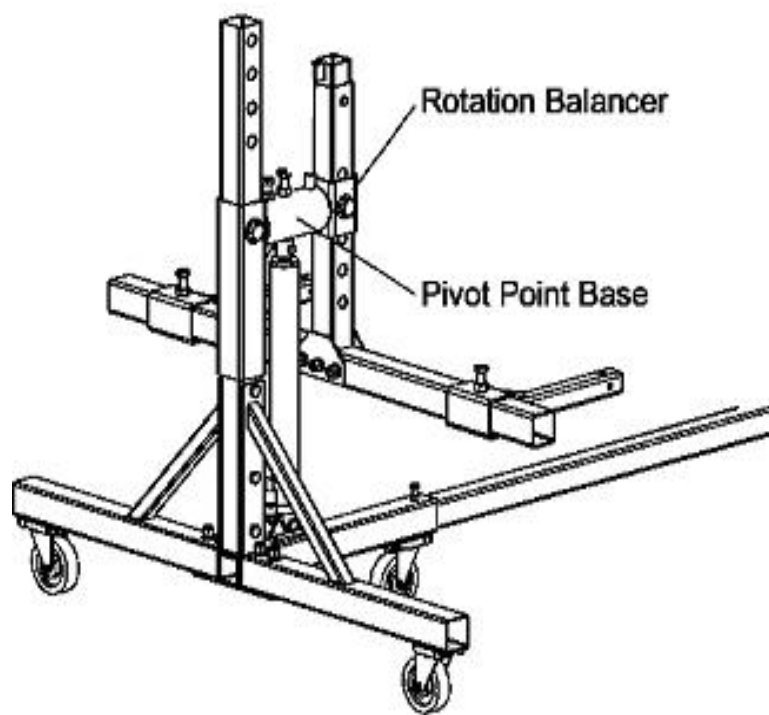


Figure 5

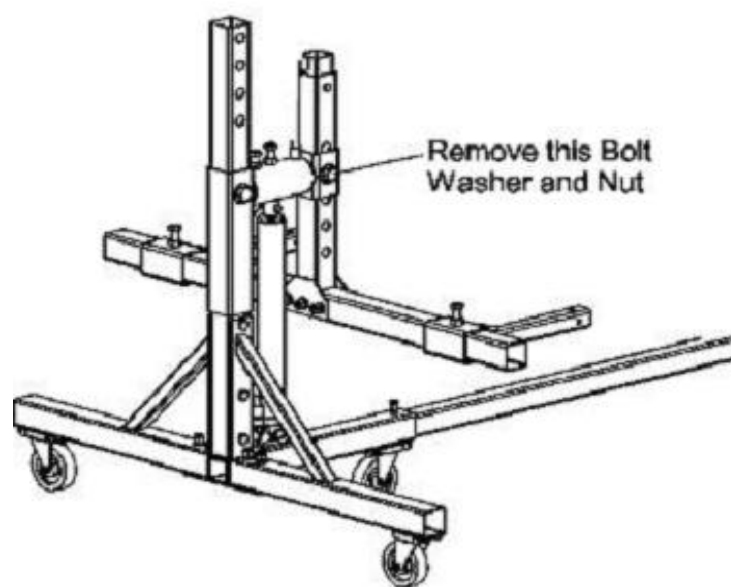


Figure 6