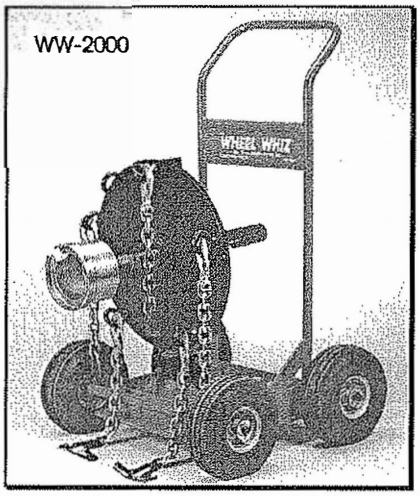
KIENE WHEEL WHIZ MODEL 2000



OPERATING INSTRUCTIONS

CAUTION: Before attempting to operate this device, read and understand these instructions.

WHEEL WHIZ PREPARATION:

Unpack all parts and check against the Parts Illustration (on the last page) and the following list to make certain that everything has been received and that no damage has occurred:

(1) Wheel Whiz Main Assembly
(5) WW2101 Chain Assembly, Steel Wheel
(5) WW2102 Chain Assembly, Aluminum Wheel
(2) Hub Sockets (of the customers' choice)

Open the hydraulic jack release valve and pump the jack handle vigorously to relieve any air-bound condition that may have occurred during shipping. To raise the jack, close the release valve and operate the pump handle. To lower the jack, open the release valve slowly.

VEHICLE PREPARATION:

Inspect the wheel to be removed for cracks and other damage. **Deflate the tire on a damaged wheel.**

Raise the vehicle so that the tire is approximately 1" off the floor.

Loosen the wheel nuts and back them off ¼".

Release the brakes and make certain that the wheel rotates freely.

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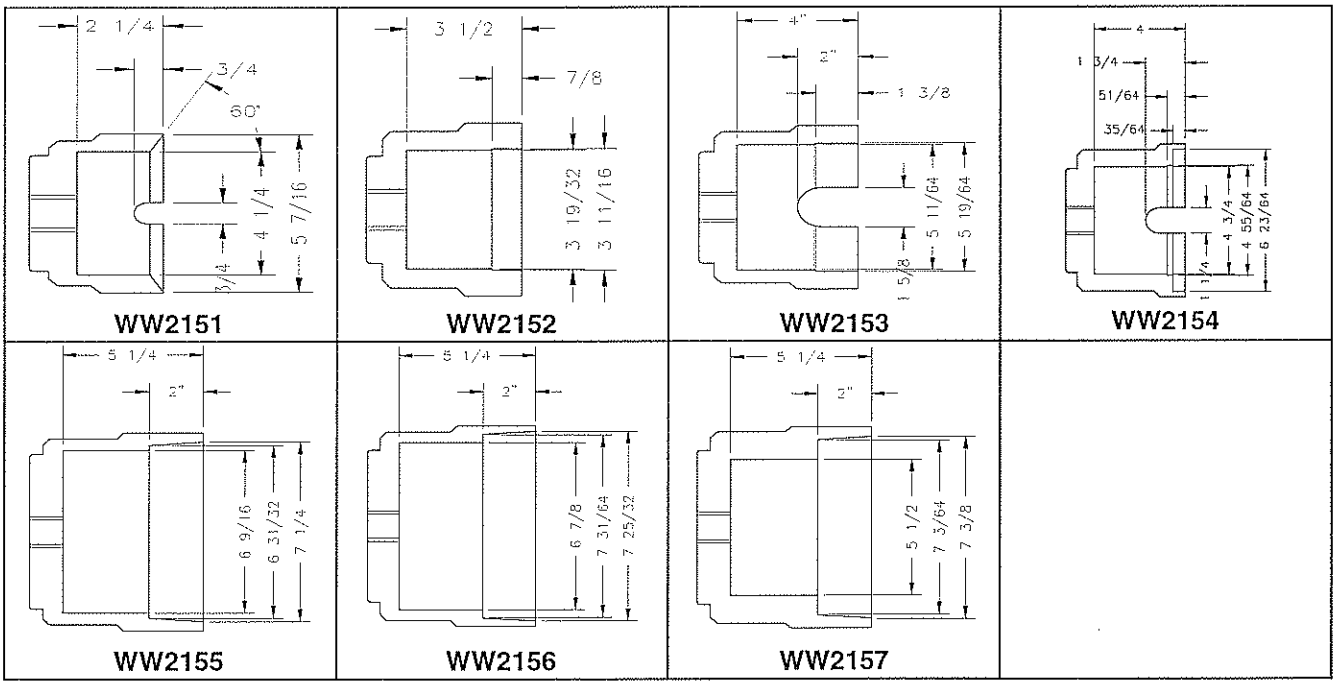
HUB SOCKET SELECTION AND INSTALLATION:

Two hub sockets of the customer's choice are provided with the Wheel Whiz. Additional sockets may be purchased separately. Following is a list of the socket applications:

Part Number	Description	Application	Part Number	Description	Application
WW2151	DRIVE AXLE SOCKET	FITS MOST EATON & MERITOR (ROCKWELL) DRIVE AXLES	WW2155	FREUHAUF TRAILER SOCKET	
WW2152	MINI-BUS SOCKET	FITS MOST SMALLER HUB CAPS ON SOME BUSES	WW2156	PRO PAR TRAILER SOCKET	PRO PAR HUB CAPS
WW2153	CR1798 BUS SOCKET	USED ON STEERING AXLES OF MOST BUSES	WW2157	EUCLID TRAILER SOCKET	EUCLID HUB CAPS
WW2154	TRAILER SOCKET	FITS MOST STEMCO AND CR1643 & CR1743 AND NATIONAL B-300 HUB CAPS			



Select and install the appropriate hub socket from the above list and check for proper fit. For steer or trailer wheels, the hub socket should push against either the hub cap fasteners or on the wheel hub itself. For drive axle hubs, the socket should push against the axle flange.

Install the hub socket onto the Forcing Screw using the ½-13 x 1" long hex head cap screw, split lock washer and flat washer provided. The hub socket should spin freely when the cap screw is tightened.

CHAIN ASSEMBLY SELECTION:

The number of chain assemblies required to remove a wheel will depend upon the number of vent holes through the wheel. Use the following number of chain assemblies: (2) holes = (2) chain assemblies, (4) holes = (2) chain assemblies, (5) holes = (5) chain assemblies (or (3) chain assemblies if the valve stem interferes), (10) holes = (5) chain assemblies.

Steel Disk-type Wheels: The WW2101 Chain Assemblies will fit most wheels of this type. Install the chain assembly by placing the anchor-shaped hook through the vent hole. Then rotate the hook so that the ends engage the hole. The curve of the anchor hook should match the curve of the wheel. Rotate the wheel until the vent hole is aligned with one of the eyebolts on the Pulling Disk. Attach the chain assembly's safety hook to the eyebolt. Note: If the tire's valve stem interferes, carefully bend it out of the way.

Aluminum Wheels: The WW2102 Chain Assemblies will fit most aluminum wheels with 1-5/8" diameter or larger vent holes. Install the chain assembly by first folding the chain link back along the T-bar. Then, pass the T-bar through the vent hole and rotate it so that the ends engage the hole. (When removing wheels with ten holes, begin at the vent hole next to the air valve stem and alternate every other hole.) Rotate the wheel until the vent hole is aligned with one of the eyebolts on the Pulling Disk. Attach the chain assembly's safety hook to the eyebolt.

Consult the factory when removing wheels that do not accept standard chain assemblies.

WHEEL REMOVAL:

Using the jack, raise the hub socket so that it may be properly seated as described previously.

Attach each chain assembly as described above. Turn the Forcing Screw by hand until all of the chain assemblies are **uniformly** tensioned.

Make certain that all of the chain assemblies are fully engaged in the wheel vent holes and that they are all uniformly tensioned. Chain assemblies that do not pull evenly may cause the Forcing Screw to bend. Damage to the Forcing Screw caused by improperly installed chain assemblies will not be covered under warranty.

Using an impact gun, turn the Forcing Screw until the wheel breaks loose. At this point, the wheel nuts may be removed and the wheel pulled completely off the hub pilot.

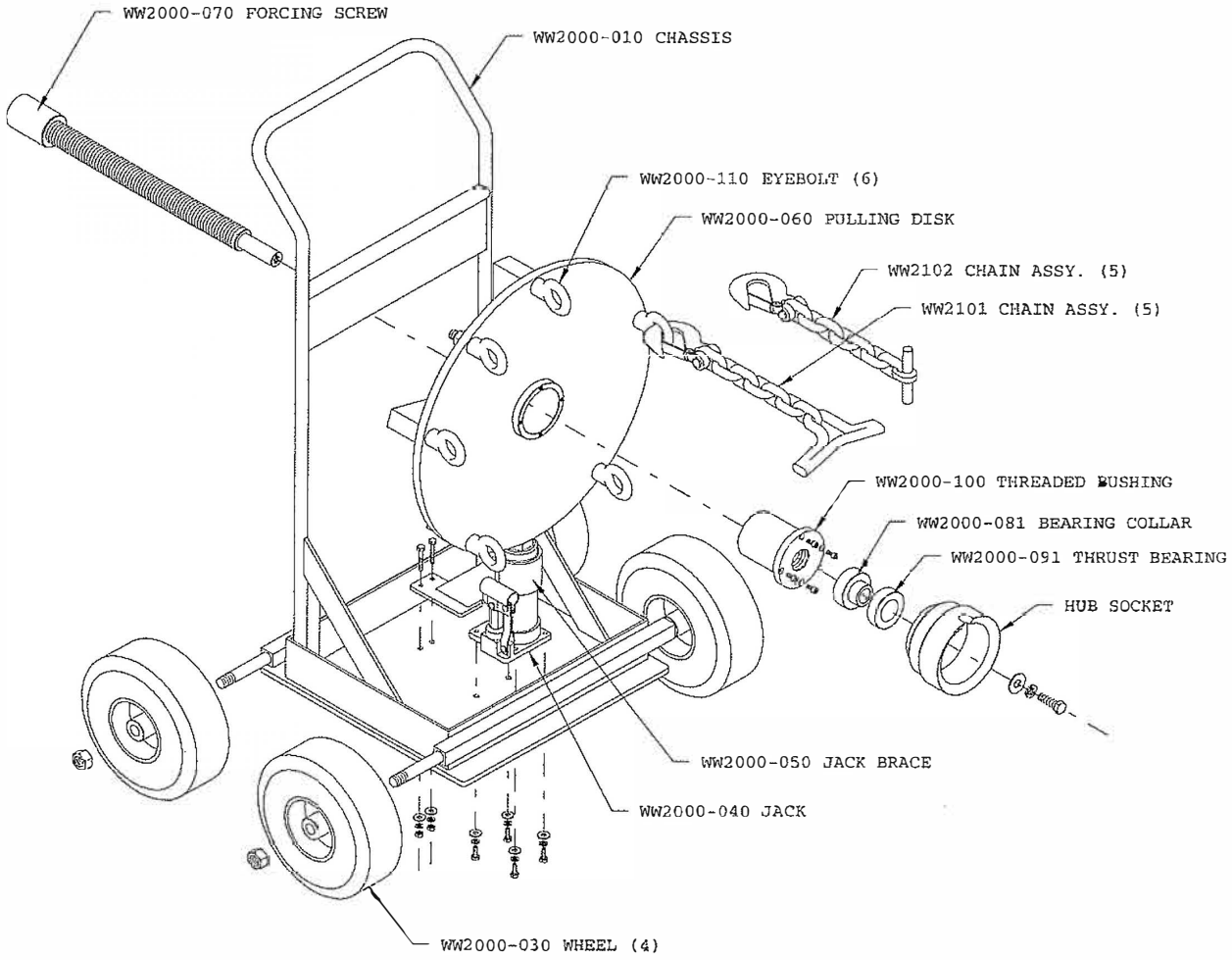
MAINTENANCE INSTRUCTIONS:

Before each use, inspect the chain assemblies and eyebolts for damage or excessive wear and replace as necessary. Check the Thrust Bearing to insure that the hub socket will spin freely.

The Forcing Screw threads require periodic cleaning and lubricating, especially if used in dirty areas. Apply a nickel-based, anti-seize compound as needed.

Check the tire pressure and lubricate wheel bearings periodically.

WHEEL WHIZ MODEL 2000 - PARTS ILLUSTRATION



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REVISED 6/16/09