

CONGRATULATIONS ON YOUR PURCHASE

Each YARD KING Mobile Ramp has been computer designed and engineered to provide the safest and most dependable service on the toughest of tasks. Design strength and capacity have been thoroughly checked, analyzed and tested. In fact, stress analysis, as performed and verified by an independent source, shows our entire family of ramps capable of withstanding dynamic loading weights.

In addition, each ramp is backed by our one year guarantee against defects in material and workmanship.

THIS RAMP SOLD TO:

THIS RAMP SHIPPED TO:

DATE: _____

SERIAL#: _____

MODEL#: _____

YARD KING hopes that you enjoy many years of service from your new ramp, and that it performs to your expectations.

Please retain this service manual, as it is your guide to maintaining your ramp in top operating condition.

YARD KING MODEL DESIGNATION

Below we have recorded the correct Model number for the yard ramp you have purchased. the descriptive code under each block gives a complete explanation of your ramp specifications.

Always refer to this model number along with the serial number shown on the front page of your manual when contacting your local Dealer for service or parts.

(Note - Special design ramps will be preceded by an "S" in the model number).



OPTIONAL FEATURES

G- Galvanized Grating

HTA- High Traction Expandable
Steel Approach for

70", 84" or 96" Wide Models

DA - Double Acting Pump

FT - Fork Lifting Tubes

P - Pneumatic Tires

DC- DC Powered Pump

Blank - Straight Ramp

L - 6 Ft. or 8 Ft. Level Off

30-30 Ft. Ramp Length

36-36 Ft. Ramp Length

38-38 Ft. Ramp Length

70-70" Wide Ramp

84-84" Wide Ramp

96-96" Wide Ramp

16-16,000 Lb. Capacity

20-20,000 Lb. Capacity

25-25,000 Lb. Capacity

30-30,000 Lb. Capacity

F - Flared Ramp - Standard Top Flare - 84" for 70" Models and 96" for 84" Models

S - Steel Ramp w/steel grating - Landing Gear Suspension-5" dollies-mechanical -P pads-mechanical
Hydraulics - pump-cylinders-20.5" semi pneumatic solid tires.

AY - Aluminum Grating - Yard King Series - Solid Mold-On

SY - Steel Grating - Yard King Series - Solid Mold-On Rubber Wheel - 18" Diameter - Standard

AT - Aluminum Grating - Torsion Axle Suspension - Pneumatic Wheel - 21" Diameter - Standard

ST - Steel Grating - Torsion Axle Suspension - Pneumatic Wheel - 21" Diameter - Standard

PRODUCT INFORMATION

FRAME DESIGN AND CONSTRUCTION:

Your YARD KING Yard Ramp has been manufactured to meet rugged computer design criteria to provide a high strength and durable product. Frames are constructed from structural aluminum members and extrusions being joined together by continuous MIG welding. Adding steel members joined together by continuous welding.

Frames are produced in five (5) basic configurations:

1. 30 Ft. Straight
2. 36 Ft. Straight
3. 36 Ft. Level-Off
4. 38 Ft. Straight
5. 38 Ft. Level-Off

Special Lengths available

Frames are produced in three (3) basic widths:

1. 70 Inch Wide
2. 84 Inch Wide
3. 96 Inch Wide

Flared Ramps available in 70" and 84" wide.

Special widths available

Frames are produced to handle four (4) different loading requirements:

1. 16,000 Lb. Capacity
2. 20,000 Lb. Capacity
3. 25,000 Lb. Capacity
4. 30,000 Lb. Capacity

Heavier capacities available

GRATING VARIATIONS:

Gratings are constructed with open grid design having serrated edges to provide safe traction during use. The steel grating is a, MIL spec. grating

1. Steel grating comes with protective epoxy paint coating.
2. Aluminum grating has natural finish.
3. Optional - Galvanized steel grating.

WHEEL VARIATIONS:

Torsion Axle Suspension System - Pneumatic wheels are installed where extensive ramp movement is required over secondary roads. Towing speeds up to 25mph can be handled using pneumatic wheels coupled with Torsion Axle Suspension System. ALUMINUM RAMPS ONLY!

YARD KING Series - Semi pneumatic tires are installed for limited ramp movement in yard ramp area up to towing speeds of 6mph. STEEL RAMPS ONLY!

Landing Gear - Stabilizing Legs with pads or dollies for placement, this is available on our Aluminum construction and, Steel construction ramps.

HYDRAULIC SYSTEM:

Manually operated hydraulic pump activates cylinders to raise and lower during positioning to achieve desired height to truck or dock. Pump contains controlled flow return to facilitate smooth action during ramp lowering.

SUSPENSION SYSTEM:

YARD KING has re-engineered and upgraded from the original cushion air bags to a maintenance free, rubber torsion axle.

The high quality-high strength axle utilizes independent wheel suspension thereby reducing frame stress and shock do to terrain conditions.

SAFETY FEATURES:

1. Safety chains with hooks are provided to secure ramp to dock or truck during use. Chains must be taught!
2. Restricted hydraulic flow provides slow lowering of ramp thus protecting cylinders and suspension system.
3. Balanced design permits ease of ramp positioning and handling.
4. Beveled edges on ramp approach aprons minimize load jarring.
5. High curbs with painted safety strips clearly outline edge of ramp for fork truck operator.
6. Detachable steel towing hitch is provided to aid in secure movement of ramp.
7. Serrated grating surface provides safe traction to fork truck and walking personnel.

OPERATING INSTRUCTIONS

TOWING:

1. Be sure the release valve is OPEN, no pressure in the hydraulic system.
2. Push J-Hook at end of tow bar through upper hole in center of tread plate.
3. Lower tow bar to insert T-Bolt through keyed hole in anchor plate.
4. Turn T-Bolt 90 degree so that the cross-pin is secured into position in the machined detent groove. Tighten T-Nut to secure.
5. Hitch eye of tow bar to towing vehicle.
6. Tow speed limits:
 - YARD KING Series: Semi Solid Pneumatic Tires - All Steel Construction
6 M.P.H. maximum (See page 3 or 6 for towing specs)
 - Torsion Axle: (Pneumatic Tires) - All Aluminum Construction
25 M.P.H. on primary and secondary roads
5 M.P.H. cross country

POSITIONING:

1. Remove tow bar.
2. Close pump release valve.
3. Pump handle to raise ramp about 2" higher than vehicle or dock level.
4. Move ramp into position so that ramp apron overlaps vehicle or dock.
5. Open pump release valve to permit ramp to settle down onto vehicle or dock.
6. Secure ramp to vehicle or dock with safety chains. **The chains must be taught!**
7. Leave Valve in open position.

REMOVING RAMP FROM VEHICLE OR DOCK:

1. Disconnect safety chains.
2. Close pump release valve.
3. Pump handle to raise ramp.
4. Roll ramp away from vehicle or dock.
5. Open pump release valve to lower ramp upon its suspension system.
6. Leave valve in OPEN position.

MAINTENANCE GUIDE

Proper use of the RAMP and periodic checks to the following as a part of a Preventative Maintenance Program will help assure trouble-free performance and increased life of the RAMP.

IMPORTANT

1. Keep the Pump Release Valve OPEN at all times EXCEPT when elevating the RAMP.
2. Towing Speeds:
Torsion Axle Suspension - 25 M.P.H. - Maximum on primary and secondary roads, 5 M.P.H. cross country.
HANDLE IT Series - 6 M.P.H. - Maximum all conditions, cross country not recommended.
3. If wheel bearings are submerged under water where contamination can enter, remove and clean bearings immediately and repack bearings with Wheel Bearing Grease.
4. On our all steel constructed ramps with semi pneumatic solid tires - 6mph, max at all times - cross country not recommended.

PERIODIC MAINTENANCE:

HYDRAULIC SYSTEM:

If signs of a leak are found or, if there is a noticeable decrease in pump pressure, CHECK PUMP FLUID LEVEL. TO CHECK PUMP FLUID LEVEL, make certain RAMP is in lowered position with pump release valve OPEN so that fluid in cylinder can be forced back into pump. Remove pipe plug and with a clean stick, check oil level through pipe plug hole. Refill to 1/4" of top if level is below this point.

USE ONLY HYDRAULIC OIL MIL-H-55 OR EQUIVALENT

Replace pipe plug.

To drain pump, disconnect hose at pump, close pump release valve, actuate pump handle until all oil is removed.

WHEELS:

Check pneumatic tire pressure as often as required to maintain 90 to 100 lb. Psi in both tires. Once a year check wheel bearings for sufficient grease. Replenish only with WHEEL BEARING GREASE.

TORSION AXLE SUSPENSION & ALL STEEL CONSTRUCTION:

Check the wheel bearings for sufficient grease. Replenish only with WHEEL BEARING GREASE.

UNDERCARRIAGE PIVOT PINS:

Add grease every 100 miles or at least every 6 months, at center of tubes (2) surrounding pivot-pins (2). Use Molybdenum Disulfide type of grease. Use oil can to lubricate these places: (1) At pump handle socket pivot-pins. (2) At upper and lower pivot-pins on each hydraulic cylinder.

TIGHTEN LOOSE NUTS AND BOLTS

WARRANTY

The Seller warrants to the original Purchaser that the items covered by this agreement shall be free from defects in material and workmanship under normal use and service for a period of one year from the date of shipment by the Seller. If within such a period any such product is proved to Seller's satisfaction to be so defective, such product shall be repaired or replaced at Seller's option. Seller's obligation is limited to such repair and replacement and is conditioned upon Seller receiving written notice of any alleged defect within the warranty period and no more than ten (10) days after its discovery. After written approval by the Seller, the product or defective part must be returned to the Seller, f.o.b. its factory. The term "Original Purchaser" as used in this Warranty shall mean the person or entity to whom such product was shipped by Seller or its distributor or Seller's agent.

This warranty shall not apply to products or parts repaired or altered by other than the Seller or subject to negligence, accident, abuse, misuse, or damage.

This warranty does not apply to parts subject to wear.

With respect to parts not manufactured by Seller, the Warranty obligation of Seller shall in all respects conform and be limited to the Warranty actually extended to Seller by the supplier.

THE FOREGOING WARRANTY IS EXCLUSIVE AND EXPRESSLY IN LIEU OF ALL OTHER EXPRESS AND IMPLIED WARRANTIES WHATSOEVER, INCLUDING BUT NOT LIMITED TO IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. SELLER SHALL NOT BE SUBJECT TO ANY OTHER OBLIGATIONS OR LIABILITIES WHATSOEVER WITH RESPECT TO ITS PRODUCTS OR SERVICES OR ANY UNDERTAKINGS, ACTS OR OMISSIONS RELATING THERETO. SELLER NEITHER ASSUMES NOR AUTHORIZES ANY PERSON TO ASSUME FOR IT ANY LIABILITY IN CONNECTION WITH THE SALE OF THIS PRODUCT OTHER THAN AS EXPRESSLY PROVIDED HEREIN.

MATERIALS AND SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE OR OBLIGATION.

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