

TI-96 Tire Inspector with Dunk Tank 800.223.4540





### **READ INSTRUCTIONS THOROUGHLY BEFORE OPERATING**

Tire Service International, LLC 3451 S. 40TH ST. Phoenix, AZ 85040

Contact us for any assistance

# 800.223.4540

Office: 602.437.5020 Email: sales@buytsi.com Fax: 602.437.5025

Revised: March 2023

### **General Description**

The TI-96 Tire Inspector is designed to inspect non mounted tires from 13" to 24.5" using an expandable hub and rim assembly. The TI-96 allows the operator to inspect tires for tread leakage using a dunk test tank. A foot operated power lift will save time and injury by lifting those heavy tires from floor into the test tank. Quick and easy inspection is accomplished by using an expandable hub and expandable rim assemblies. The TI-96 tire and hub assembly rotates easily for inspection and all operating controls are located on the side of the machine for easy operation.

### **Safety Requirements**

- **1.** READ THIS MANUAL BEFORE OPERATING
- **2.** SAFETY GLASSES ARE REQUIRED
- **3.** Before each use visually inspect the following items:
  - **A.** Make sure all fittings, hoses, valves and filters are property fastened and secured before operating unit.
  - **B.** Floor area around unit is dry
- CAUTION: Operation of this machine for use other than checking tires for air leaks is strictly prohibited.

### **Installation Requirements**

• Suggested incoming air supply to is 125 PSI

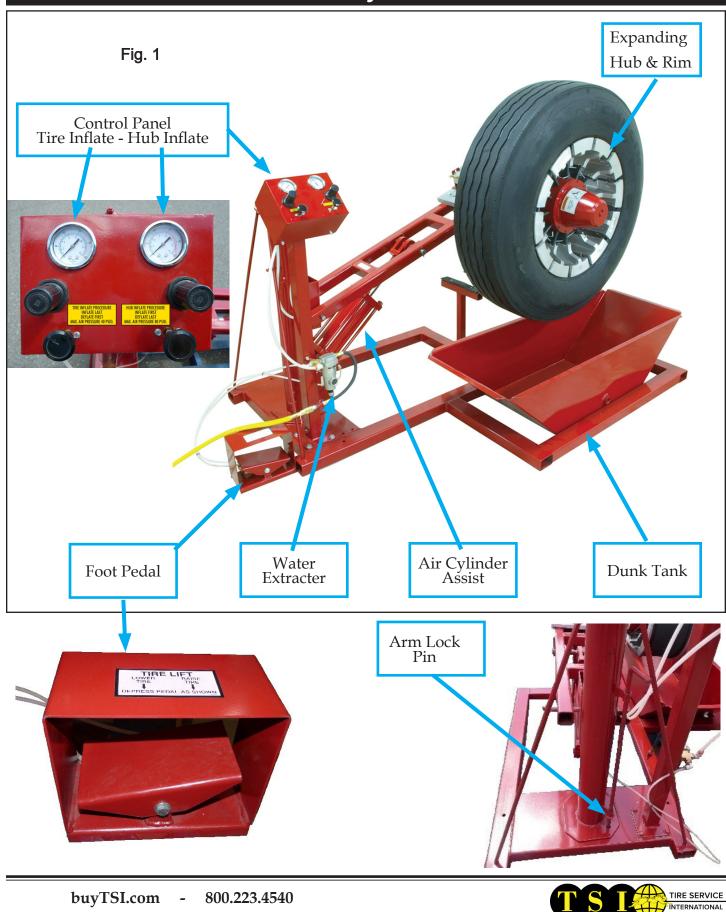
• Fasten unit to a flat concrete slab or surface with anchor bolts near a water source and drain. Unit can tip if not secured.

### **Set-Up Instructions**

- Prepare a clean, level surface with adequate room to maneuver.
- Remove machine from packaging materials.
- Connect air supply to 1/4'' hose fitting. All pressures are pre-set for 30 PSI for tire pressure and 80 PSI for expanding hub and rim.
- Select the correct size expansion RIM and mount onto expansion HUB
- Add water to the dunk tank. Leave enough space for the tire. Tip: one gallon of windshield solution added to the tank will help identify leaks.



### **Primary Parts**



### **Operating Instructions**

- CAUTION: Operation of this machine for use other than checking tires for air leaks is strictly prohibited.
- Use the foot pedal to raise the Rotating Lift Arm.
- Disengage the Arm Locking Pin and rotate the Lift Arm and Expandable Hub assembly clockwise from the Pivot Post into a clear workspace. Engage the Locking Pin (the arm rotates 45 degrees).
- Clean tire bead and flanges. Use an oil soap on Expanding Rim belt to assist tire to slide into position.
- Lower the Lift Arm to a manageable height and mount the tire.
- Raise the Lift Arm slightly to get the tire off the ground.
- Pull the knob to the expand the rim.



- After the rim has fully expanded, inflate the tire by pulling the tire knob. Some air loss may occur between the expanded rim and tire.
- Raise the Lift Arm high enough to clear the dunking tank edge using the foot pedal.
- Disengage the Arm Locking Pin and rotate the tire over the dunk tank and engage the pin.
- Lower the tire into the water to within  $1\frac{1}{2}$ " of the tire bead. Tire MUST NOT touch the bottom of the tank during this process.
- Slowly spin the tire on the Hub and check for air bubbles.
- Follow reverse process for removal raise, unlock pin, rotate, lock pin, lower
- Push TIRE knob to deflate tire. After the tire is deflated, push the HUB knob to collapse the expansion rim. Warning: Deflate tire fully before deflating the hub. Do not remove tire until hub is fully deflated.
- Remove tire.
- Remove any debris from expansion rim and flanges. Clean the expansion rim.
- If excess water gets inside Hub disassemble the enter hub, clean and dry all parts. Use marine grease and assemble.

#### WARNING

#### Be careful when inflating tires! TSISSG assumes no responsibility and is not liable if tires explode or come off of this rim assembly because of excessive air pressure.



### Maintenance

**1.** Daily, inspect assembly for loose fittings, damaged parts, or water in the expanded rim assembly.

2. Weekly or as needed, empty, clean, and refill water in tank.

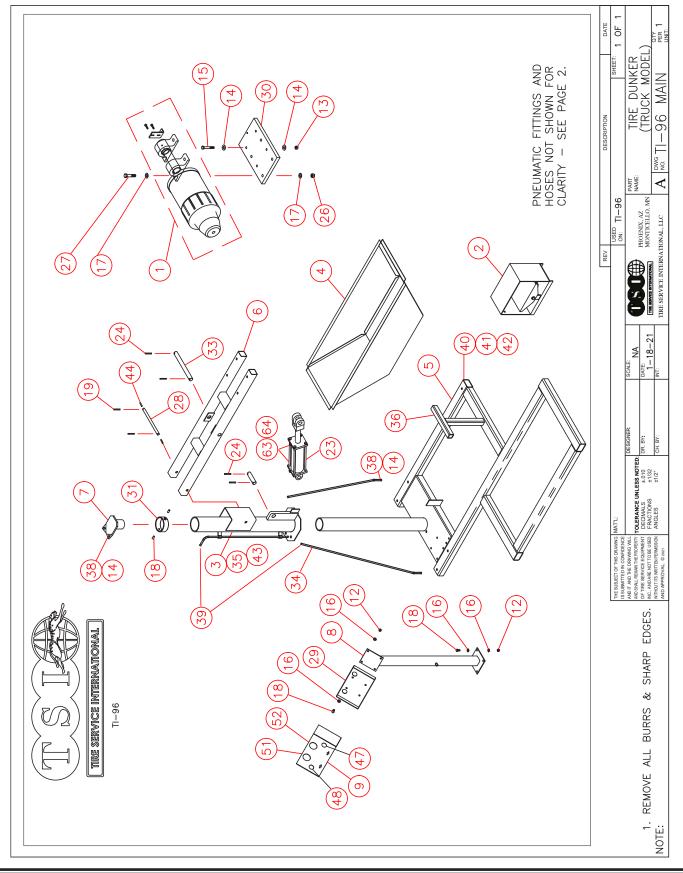
**3.** Every 30 days, grease all zerks with standard Chassis grease.

### **Expanding Rims**





## **Parts Listing**

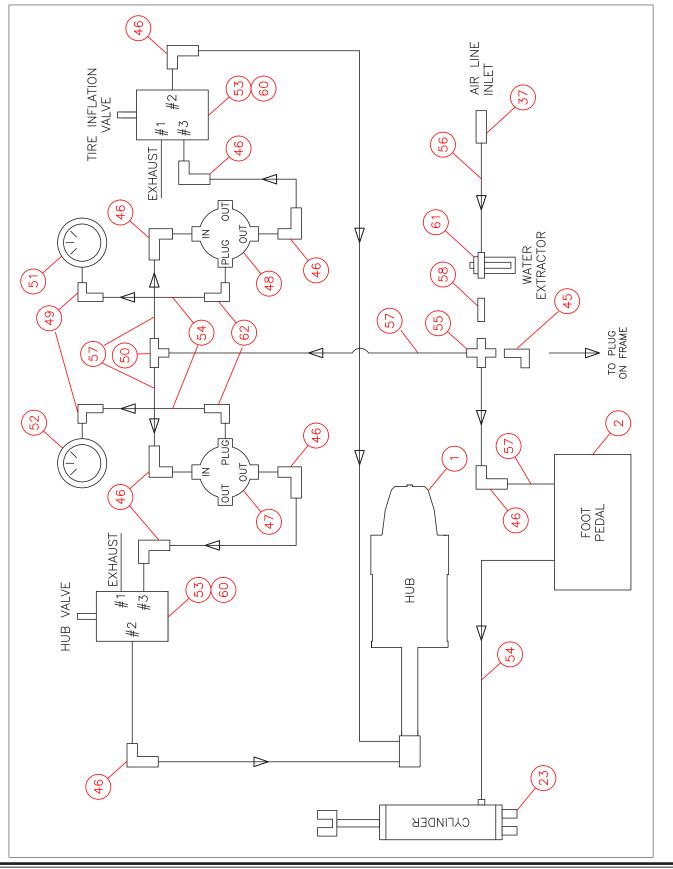




ID         Component         Description         Qty         ID         Component         Description         Qt           15         5840         # Expandable Hub         1         39         230         # Handle Grip         3           25         34         # Tube Swivel Weld         1         41         25.3         # Handle Grip         2           26         2235         # Trube Swivel Weld         1         41         25.3         # Wuth 42.0 Myoc         2         2           21         230         # En Pate Weld Assy         1         43         3501         # Soff 47.2 Myoc         2         2           22         # En Pate Weld Assy         1         43         3501         # Zerk Grease Fitting 1/8 NPT Straight         2           23         2324         # Mut 1/2-13 M/out         1         43         3501         # Zerk Grease Fitting 1/8 NPT Straight         2           23         2324         # Washer S/16         1         43         3501         # Zerk Grease Fitting 1/8 NPT Straight         2           13         2328         # Wat 1/8 Pian         2         4         12856         # Lift Arm Spacer         2           13         2340         # Serk Grease Fi	Ē	TI-96 Parts	Tire Inspec	ctor/Dunk	er T	ruck Includ	Tire Inspector/Dunker Truck Includes PN 12.410 22-24.5 Expanding Rim	Rim
Sado         # Expandable Hub         1         39         230         # Handle Grip           5934         # from Fedal Valve Assembly         1         40         233         # Bolt, Gringe 1/4-20 Na <sup>-1</sup> /2 Plated           6224         # Tank Weld         1         42         25-N         # Mut 1/4-20 Nyc           6225         # Tank Weld         1         26-N         # Washer 1/4 Flar SG         # Washer 1/4 Flar SG           6220         # Er Plate Weld Assy         1         23         301         # Serk Grease Flitting 1/8 NPT Straight           6230         # Control Panel Mount Weld         1         43         3001         # Cerk Grease Flitting 1/8 NPT Straight           6231         # Out 1/2-31 Nycought         1         4         128-S         # Uit 1/2-31 Nycought           6231         # Out 1/2-31 Nycought         1         4         128-S         # Lift Arm Spacer           2324         # Washer 5/16         # Uit 1/2-31 Nycought         #         124         128-S           236-GR8         # HHCS 3/2-13 A Grade 8         4         128-S         # Lift Arm Spacer           236-GR8         # HHCS 3/2-13 A Grade 8         4         128-S         # Lift Arm Spacer           3360         # HHCS 3/2-13 A Grade 8	₽	Component	Description			Component	Description	Qty
5994         # Foot Pedal Valve Assembly         1         20         213         # Bolt, Garrage 1/4-20 x 3-1/2 Plated           6224         # Tube Swivel Weld         1         20         13         # Bolt, Garrage 1/4-20 x 3-1/2 Plated           6225         # Tank Weld         1         256         # Wusher 1/4 Flat Skt           6229         # Ear Plane Weld         1         43         3501         # Zerk Grease Fitting 1/8 PIT Straight           6230         # Control Panel Mount Weld         1         43         3501         # Zerk Grease Fitting 1/8 PIT Straight           6230         # Control Panel Mount Weld         1         43         3501         # Zerk Grease Fitting 1/8 NPT Straight           6231         # Wusher 1/2 x 1/3 Wout         1         43         3501         # Zerk Grease Fitting 1/8 NPT Straight           6231         # Nut 1/2-13 Wout         1         43         12355         # Uff Arm Spacer           224W         # Wusher 1/2 x 1.3 Wout         8         12365         # Uff Arm Spacer         14           1306         # HHCS 1/2 x 1.3 Wout         8         12355         # Uff Arm Spacer         15           234W         # Wusher 1/2 x 1.3 Wout         8         12356         # Uff Arm Spacer         15	01	5840	# Expandable Hub		39	230	# Handle Grip	ŝ
5224         # Tube Swiel Weld         1         41         226.N         # Nut 1/4-20 Myoc           6225         # Fram Weld Asy,         3         323         # Washer 1/4 Flat SAE           6230         # Fram Weld Asy,         3         323         # Washer 1/4 Flat SAE           6230         # Ear Plate Weld         1         42         12758         # Washer 1/4 Flat SAE           6230         # Control Bax Weld         1         43         3233         # Sec Grasse Fitting 1/8 NPT Straight           6231         # Control Bax Weld         1         44         12856         # Ith Arm Spacer           2233         # Nut 1/2-13 Myoc         8         # Sec Grasse Fitting 1/8 NPT Straight         # Sec Grasse Fitting 1/8 NPT Straight           2331         # Outrol Bax Weld         1         4         12856         # Lift Arm Spacer           2332         # Nut 1/2-13 Myoc         8         # Sec Grasse Fitting 1/8 NPT Straight           3366-GR8         # HHC 2/12-13 Myoc         8         # Lift Arm Spacer           3366-GR8         # HHC 2/12-13 Myoc         8         # Lift Arm Spacer           3366-GR8         # HHC 2/12-13 Mot Grade 8         8         # Lift Arm Spacer           3370         # HHC 2/12-13 Mot Grade 8	02	5994	# Foot Pedal Valve Assembly		40	213	# Bolt, Carriage 1/4-20 x 3-1/2 Plated	2
6225         # Tank Weld         1         42         12758         # Washer J/A Flat Safe           6226         # If Fame Weld Asy         1         43         3501         # Zerk Grease Fitting J/8 NPT Straight           6229         # an Plate Weld         1         43         3501         # Zerk Grease Fitting J/8 NPT Straight           6230         # Control Panel Mount Weld         1         43         3501         # Zerk Grease Fitting J/8 NPT Straight           6231         # Nut J/2-13 N/OC         1         43         3501         # Zerk Grease Fitting J/8 NPT Straight           6232         # Nut J/2-13 N/OC         8         1         43         3501         # Zerk Grease Fitting J/8 NPT Straight           232         # Nut J/2-13 N/OC         8         1         43         3501         # Zerk Grease Fitting J/8 NPT Straight           232         # Nut J/2-13 N/OC         8         1         1         1         1           2340         # Washer J/A Grade 8         1         1         1         1         1           2340         # Washer J/A Grade 8         1         1         1         1         1           2340         # Washer J/A Grade 58 & 81 J/1 J/1 R Plaia         1         1         1	03	6224	# Tube Swivel Weld		41	226-N	# Nut 1/4-20 Nyloc	2
6226         # Frame Weld Assy         1         43         3501         # Zerk Grease Fitting J/8 NPT Straight           6227         # Lift Arm Weldment         1         43         3501         # Zerk Grease Fitting J/8 NPT Straight           6229         # Control Box Weld         1         44         12856         # Lift Arm Spacer           6231         # Control Box Weld         1         44         1285         # Lift Arm Spacer           6231         # Nut 3/8-16 Myloc         8         1         1         1         1           2232         # Mut 1/2-13 Nrought         8         1         1         1         1           2324W         # Wusher 5/16         16         8         1         1         1           366-GR8         # HHCS 3/8-15 Mort 218         8         1         1         1         1           366-GR8         # HHCS 3/8-11 M Grade 8         1	04	6225	# Tank Weld	1	42	12758	# Washer 1/4 Flat SAE	2
6227         # Lift Arm Weldment         1         44         12856         # Lift Arm Spacer           6230         # Ear Plate Weld         1         1         1         1         1           6231         # Control Panel Wourt Weld         1         1         1         1           6321         # Control Panel Wourt Weld         1         1         1         1           6321         # Nut 3/8-16 Wolc         8         1         1         1           223W         # Nut 1/2-13 Wolc         8         1         1         1           224W         # Nut 1/2-13 Wolc         8         1         1         1           366-GR8         # HHCS 3/15         16         16         1         1           366-GR8         # HHCS 3/8-16 K 1         10         1         1         1           3106         # HHCS 3/8-16 K 1         10         1         1         1           31201         # HHCS 3/8-16 K 1         10         1         1         1           31201         # PIN- Spring 1/8 K 1         1         1         1         1           31201         # PIN- Spring 1/8 K 1         1         1         1         1	05	6226	# Frame Weld Assy	1	43	3501	# Zerk Grease Fitting 1/8 NPT Straight	2
6229# Ear Plate Weld6230# Control Panel Mount Weld6231# Control Box Weld6231# Nut 3/8-16 Nyloc212-N# Nut 1/2-13 Nyloc212-N# Washer 1/2 x 1.33 Wrought366-GR8# HHCS 1/2-13 x 4 Grade 81318# Washer 5/16987# Washer 5/161306# HHCS 3/8-16 x 112452# Pin, Spring 1/8 x 1 1/8 Plain12452# Pin, Spring 1/8 x 1 1/23470# Pin, Spring 1/8 x 1 1/23470# Pin, Spring 3/16 x 2 st4836-2 WAY# Nut 5/8-11 x 3 Grade 512391# Pin, Lift Pivot12392# Plate, Control Box12393# Plate, Control Box12394# Plate, Control Box12407# Pin, Cylinder Top12418# Plate, Pedestal Rod12418# Brace, Pedestal Rod12418# Brace, Pedestal Rod12410# Rod, Swing Lock12412# Pin, Cylinder Top12413# Race, Pedestal Rod12413# Race, Pedestal Rod12413# Rod, Swing Lock12413# Rod, Swi	90	6227	# Lift Arm Weldment	1	44	12856	# Lift Arm Spacer	2
<ul> <li>6230 # Control Panel Mount Weld</li> <li>6231 # Control Box Weld</li> <li>6231 # Control Box Weld</li> <li>6231 # Nut 3/8-16 Nyloc</li> <li>212-N # Nut 3/8-16 Nyloc</li> <li>224W # Washer 1/2 x1.33 Wrought</li> <li>366-GR8 # HHCS 1/2-13 x 4 Grade 8</li> <li>1318 # Washer 5/16</li> <li>987 # HHCS 1/2-13 x 4 Grade 8</li> <li>1318 # Washer 5/16</li> <li>987 # HHCS 1/2-13 x 4 Grade 8</li> <li>1318 # Washer 5/16</li> <li>987 # HHCS 1/2-13 x 4 Grade 8</li> <li>1318 # Washer 5/16</li> <li>987 # HHCS 1/2-13 x 4 Grade 8</li> <li>1318 # Washer 5/16</li> <li>987 # HHCS 1/2-13 x 4 Grade 8</li> <li>1318 # Masher 5/16</li> <li>987 # HHCS 3/8-16 x 1</li> <li>12452 # Pin, Spring 1/8 x 1 1/2</li> <li>3470 # Pin, Spring 1/8 x 1 1/2</li> <li>3470 # Pin, Spring 3/16 x 2 st</li> <li>4836-2 WAY # Nut 5/8-11 x 3 Grade 5</li> <li>12391 # Pin, Lift Pivot</li> <li>12392 # Plate, Control Box</li> <li>12393 # Plate, Hub Mount</li> <li>12399 # Plate, Hub Mount</li> <li>12399 # Plate, Hub Mount</li> <li>12407 # Plate, Hub Mount</li> <li>12407 # Plate, Hub Mount</li> <li>12407 # Plate, Lock Weld 3-1/2 DIA</li> <li>12408 # Plate, Control Box</li> <li>12418 # Brace, Pedestal Rod</li> <li>12418 # Brac</li></ul>	07	6229	# Ear Plate Weld	1				
6231       # Control Box Weld         212-N       # Nut 3/8-16 Nyloc         223       # Nut 1/2-13 Nyloc         224W       # Washer 1/2 x1.33 Wrought         366-GR8       # HHCS 1/2-13 x 4 Grade 8         1318       # Washer 5/16         987       # Washer 5/16         987       # Washer 5/16         987       # HHCS 1/2-13 x 4 Grade 8         1318       # Washer 5/16         987       # Washer 5/16         987       # Washer 5/8 Wrought Flat Plated         1306       # HHCS 3/8-16 x 1         12452       # Pin, Spring 1/8 x 1 1/2         3470       # Pin, Spring 1/8 x 1 1/2         3470       # Pin, Spring 3/16 x 2 st         4836-2 WAY       # Nut 5/8-11 centerlock         10402       # Pin, Spring 3/16 x 2 st         12391       # Pin, Lift Pivot         12392       # Pin, Lift Pivot         12393       # Pinc, Control Box         12394       # Piate, Hub Mount         12399       # Piate, Hub Mount         12399       # Piate, Hub Mount         12402       # Piate, Hub Mount         12403       # Piate, Med Swing Lock         12418       # Brace, Pedestal Rod <td>80</td> <td>6230</td> <td># Control Panel Mount Weld</td> <td>1</td> <td></td> <td></td> <td></td> <td></td>	80	6230	# Control Panel Mount Weld	1				
212-N       # Nut 3/8-16 Nyloc         223       # Nut 1/2-13 Nyloc         224W       # Washer 1/2 x1.33 Wrought         366-GR8       # HHCS 1/2-13 x 4 Grade 8         3118       # Washer 5/16         987       # Washer 5/16         987       # Washer 5/8 Wrought Flat Plated         1318       # Washer 5/8 Wrought Flat Plated         1306       # HHCS 3/8-16 x 1         12452       # Pin, Spring 1/8 x 1 1/8 Plain         12741       # Cylinder 5 x 8 x 1 1/2         3470       # Pin, Spring 3/16 x 2 st         4836-2 WAY       # Nut 5/8-11 Centerlock         10402       # PHCS 5/8-11 x 3 Grade 5         12391       # Pin, Lift Pivot         12392       # Plate, Hub Mount         12393       # Plate, Hub Mount         12399       # Plate, Hub Mount         12407       # Plate, Hub Mount         12407       # Plate, Hub Mount         12403       # Plate, Hub Mount         12403       # Plate, Hub Mount         12403       # Plate, Nut 1/2 DIA         12403       <	60	6231	# Control Box Weld	1				
223       # Nut 1/2-13 Nyloc         224W       # Washer 1/2 x 1.33 Wrought         366-GR8       # HHCS 1/2-13 x 4 Grade 8         3118       # Washer 5/16         987       # Washer 5/16         987       # Washer 5/16         987       # Washer 5/8 Wrought Flat Plated         1306       # HHCS 3/8-16 x 1         12452       # Pin, Spring 1/8 x 1 1/8 Plain         12741       # Cylinder 5 x 8 x 1 1/2         3470       # Pin, Spring 1/8 x 1 1/2         3470       # Pin, Spring 1/8 x 1 1/2         3470       # Pin, Spring 1/8 x 1 1/2         3470       # Pin, Spring 3/16 x 2 st         4836-2 WAY       # Nut 5/8-11 centerlock         10402       # Pin, Lift Pivot         12391       # Pin, Lift Pivot         12392       # Plate, Hub Mount         12399       # Plate, Hub Mount         12399       # Plate, Hub Mount         12407       # Plate, Hub S	12	212-N	# Nut 3/8-16 Nyloc	∞				
224W       # Washer 1/2 x 1.33 Wrought         366-GR8       # HHCS 1/2-13 x 4 Grade 8         366-GR8       # HHCS 1/2-13 x 4 Grade 8         1318       # Washer 5/16         987       # Washer 5/8 Wrought Flat Plated         1306       # HHCS 3/8-16 x 1         12452       # Plin, Spring 1/8 x 1 1/8 Plain         12741       # Cylinder 5 x 8 x 1 1/2         3470       # Pin, Spring 1/8 x 1 1/8 Plain         12741       # Cylinder 5 x 8 x 1 1/2         3470       # Pin, Spring 3/16 x 2 st         4836-2 WAY       # Nut 5/8-11 x 3 Grade 5         10402       # PHCS 5/8-11 x 3 Grade 5         12391       # Phin, Lift Pivot         12392       # Plate, Hub Mount         12393       # Plate, Hub Mount         12399       # Plate, Hub Mount         12407       # Pin, Cylinder Top         12407       # Rod, Swing Lock         12418       # Brace, Pedestal Rod         12412       # Rod, Swing Lock         12412       # Rod, Swing Lock         12420       # Rod, Swing Lock         12912       # Pad, Rubber .5 x 1.5 x 12.5         26.055       # Nut 1/2-13 Jam	13	223	# Nut 1/2-13 Nyloc	4				
366-GR8       # HHCs 1/2-13 × 4 Grade 8         1318       # Washer 5/16         987       # Washer 5/8 Wrought Flat Plated         987       # Washer 5/8 Wrought Flat Plated         1306       # HHCS 3/8-16 × 1         1206       # HHCS 3/8-16 × 1         1206       # HHCS 3/8-16 × 1         1206       # Plin, Spring 1/8 × 1 1/2         12452       # Plin, Spring 3/16 × 2 st         3470       # Plin, Spring 3/16 × 2 st         4836-2 WAY       # Nut 5/8-11 × 3 Grade 5         10402       # HHCS 5/8-11 × 3 Grade 5         12391       # Plin, Lift Pivot         12392       # Plate, Control Box         12393       # Plate, Hub Mount         12399       # Plate, Hub Mount         12399       # Plate, Hub Mount         12399       # Plate, Hub Mount         12402       # Plate, Hub Mount         12402       # Plate, Stated 5         12403       # Plate, Stated 5         12402       # Plate, Hub Mount         12403       # Plate, Stated 5         12402       # Plate, Hub Mount         12403       # Plate, Stated 5         12403       # Plate, Hub Mount         12403       # Plate, St	14	224W	# Washer 1/2 x 1.33 Wrought	00				
1318       # Washer 5/16         987       # Washer 5/8 Wrought Flat Plated         987       # Washer 5/8 Wrought Flat Plated         1306       # HHCS 3/8-16 x 1         1306       # HHCS 3/8-16 x 1         12452       # Pin, Spring 1/8 x 1 1/8 Plain         12741       # Cylinder 5 x 8 x 1 1/2         3470       # Pin, Spring 3/16 x 2 st         4836-2 WAY       # Nut 5/8-11 Centerlock         10402       # PHCS 5/8-11 x 3 Grade 5         112391       # PHCS 5/8-11 x 3 Grade 5         12392       # PHCS 5/8-11 x 3 Grade 5         12393       # Piate, Control Box         12399       # Plate, Hub Mount         12399       # Plate, Hub Mount         12399       # Plate, Hub Mount         12402       # Plate, Hub Mount         12403       # Plate, State         12403       #	15	366-GR8		4				
987       # Washer 5/8 Wrought Flat Plated         1306       # HHCS 3/8-16 × 1         1306       # HHCS 3/8-16 × 1         12452       # Pin, Spring 1/8 × 1 1/8 Plain         12741       # Cylinder 5 × 8 × 1 1/2         3470       # Pin, Spring 3/16 × 2 st         4836-2 WAY       # Nut 5/8-11 centerlock         10402       # HHCS 5/8-11 × 3 Grade 5         112391       # Pin, Lift Pivot         12392       # Plate, Control Box         12393       # Plate, Hub Mount         12399       # Plate, Hub Mount         12407       # Pin, Lock Weld 3-1/2 DIA         12407       # Pin, Cylinder Top         12418       # Brace, Pedestal Rod         12410       # Rod, Swing Lock         12420       # Rod, Swing Lock         12912       # Nut 1/2-13 Jam	16	1318	# Washer 5/16	16				
1306       # HHCS 3/8-16 x 1         12452       # Pin, Spring 1/8 x 1 1/8 Plain         12741       # Cylinder 5 x 8 x 1 1/2         3470       # Pin, Spring 3/16 x 2 st         4836-2 WAY       # Nut 5/8-11 Centerlock         10402       # HHCS 5/8-11 x 3 Grade 5         12391       # Pin, Lift Pivot         12392       # Plate, Control Box         12399       # Plate, Hub Mount         12399       # Plate, Hub Mount         12407       # Collar, Lock Weld 3-1/2 DIA         12407       # Rod, Swing Lock         12418       # Rod, Swing Lock         12912       # Plade, Rubber .5 x 1.5 x 12.5         26.055       # Nut 1/2-13 Jam	17	987	# Washer 5/8 Wrought Flat Plated	00				
12452       # Pin, Spring 1/8 x 1 1/8 Plain         12741       # Cylinder 5 x 8 x 1 1/2         3470       # Pin, Spring 3/16 x 2 st         4836-2 WAY       # Nut 5/8-11 Centerlock         4836-2 WAY       # Nut 5/8-11 Centerlock         10402       # HHCS 5/8-11 x 3 Grade 5         12391       # Pin, Lift Pivot         12392       # Plate, Control Box         12399       # Plate, Control Box         12399       # Plate, Hub Mount         12402       # Collar, Lock Weld 3-1/2 DIA         12403       # Brace, Pedestal Rod         12407       # Rod, Swing Lock         12412       # Rod, Swing Lock         12912       # Nut 1/2-13 Jam         26.055       # Nut 1/2-13 Jam	18	1306	# HHCS 3/8-16 x 1	10				
12741       # Cylinder 5 x 8 x 1 1/2         3470       # Pin, Spring 3/16 x 2 st         4836-2 WAY       # Nut 5/8-11 Centerlock         10402       # HHCS 5/8-11 x 3 Grade 5         112391       # Pin, Lift Pivot         12392       # Pin, Lift Pivot         12399       # Plate, Control Box         12399       # Plate, Control Box         12399       # Plate, Hub Mount         12402       # Plate, Hub Mount         12403       # Plate, Hub Mount         12403       # Plate, Hub Mount         12403       # Plate, Flub Mount         12403       # Plate, Nuburt         12403       # Plate, State         12403       # Plate, Plate Top         12403       # Plate, Plate Top         12403       # Plate, State         12403       # Plate, State         12403       # Plate, Plate, Nuber Top         12418       # Rod, Swing Lock         12420       # Plad, Rubber S x 1.5 x 12.5         26.055       # Nut 1/2-13 Jam	19	12452		2				
3470       # Pin, Spring 3/16 x 2 st         4836-2 WAY       # Nut 5/8-11 Centerlock         4836-2 WAY       # Nut 5/8-11 centerlock         10402       # HHCS 5/8-11 x 3 Grade 5         112391       # Pin, Lift Pivot         12392       # Plate, Control Box         12399       # Plate, Hub Mount         12399       # Plate, Hub Mount         12399       # Plate, Hub Mount         12402       # Collar, Lock Weld 3-1/2 DIA         12403       # Pin, Cylinder Top         12403       # Brace, Pedestal Rod         12418       # Rod, Swing Lock         12412       # Pad, Rubber .5 x 1.5 x 12.5         26.055       # Nut 1/2-13 Jam	23	12741	# Cylinder 5 x 8 x 1 1/2	1				
4836-2 WAY       # Nut 5/8-11 Centerlock         10402       # HHCS 5/8-11 x 3 Grade 5         10391       # Pin, Lift Pivot         12391       # Pin, Lift Pivot         12392       # Plate, Control Box         12399       # Plate, Hub Mount         12402       # Collar, Lock Weld 3-1/2 DIA         12407       # Pin, Cylinder Top         12418       # Brace, Pedestal Rod         12410       # Rod, Swing Lock         12420       # Rod, Swing Lock         12912       # Nut 1/2-13 Jam	24	3470	# Pin, Spring 3/16 x 2 st	4				
10402       # HHCS 5/8-11 x 3 Grade 5         12391       # Pin, Lift Pivot         12392       # Plate, Control Box         12399       # Plate, Control Box         12399       # Plate, Hub Mount         12399       # Plate, Hub Mount         12309       # Plate, Hub Mount         12309       # Plate, Hub Mount         12402       # Collar, Lock Weld 3-1/2 DIA         12403       # Pin, Cylinder Top         12403       # Brace, Pedestal Rod         12418       # Brace, Pedestal Rod         12412       # Rod, Swing Lock         12912       # Pad, Rubber .5 x 1.5 x 12.5         26.055       # Nut 1/2-13 Jam	26	4836-2 WAY	# Nut 5/8-11 Centerlock	4				
12391       # Pin, Lift Pivot         12398       # Plate, Control Box         12399       # Plate, Control Box         12399       # Plate, Hub Mount         12402       # Collar, Lock Weld 3-1/2 DIA         12407       # Pin, Cylinder Top         12418       # Brace, Pedestal Rod         12420       # Rod, Swing Lock         12912       # Pad, Rubber .5 x 1.5 x 12.5         26.055       # Nut 1/2-13 Jam	27	10402	# HHCS 5/8-11 x 3 Grade 5	4				
12398       # Plate, Control Box         12399       # Plate, Hub Mount         12402       # Collar, Lock Weld 3-1/2 DIA         12407       # Pin, Cylinder Top         12418       # Brace, Pedestal Rod         12410       # Rod, Swing Lock         12420       # Rod, Swing Lock         12912       # Pad, Rubber .5 x 1.5 x 12.5         26.055       # Nut 1/2-13 Jam	28	12391	# Pin, Lift Pivot	1				
12399       # Plate, Hub Mount         12402       # Collar, Lock Weld 3-1/2 DIA         12407       # Pin, Cylinder Top         12418       # Brace, Pedestal Rod         12418       # Rod, Swing Lock         12420       # Rod, Rubber .5 x 1.5 x 12.5         12912       # Nut 1/2-13 Jam	29	12398		1				
12402       # Collar, Lock Weld 3-1/2 DIA         12407       # Pin, Cylinder Top         12418       # Brace, Pedestal Rod         12410       # Rod, Swing Lock         12420       # Pad, Rubber .5 x 1.5 x 12.5         26.055       # Nut 1/2-13 Jam	30	12399	# Plate, Hub Mount	1				
12407       # Pin, Cylinder Top         12418       # Brace, Pedestal Rod         12420       # Rod, Swing Lock         12912       # Pad, Rubber .5 x 1.5 x 12.5         26.055       # Nut 1/2-13 Jam	31	12402	# Collar, Lock Weld 3-1/2 DIA	1				
12418       # Brace, Pedestal Rod         12420       # Rod, Swing Lock         12912       # Pad, Rubber .5 x 1.5 x 12.5         26.055       # Nut 1/2-13 Jam	33	12407	# Pin, Cylinder Top	1				
# Rod, Swing Lock # Pad, Rubber .5 x 1.5 x 12.5 # Nut 1/2-13 Jam	34	12418		2				
# Pad, Rubber .5 x 1.5 x 12.5 # Nut 1/2-13 Jam	35	12420		1				
# Nut 1/2-13 Jam	36	12912		1				
	38	26.055	# Nut 1/2-13 Jam	∞				



## **Pneumatic Part Listing**





 TI-96 HYDRAULICS	AULICS	Tire Inspect	tor/Dun	ker Tru	uck Include	s PN 12.410	22-24.5	Tire Inspector/Dunker Truck Includes PN 12.410 22-24.5 Expanding Rim	٤
Component	Description		Qty	ID C0	ID Component	Description			Qty
730	# Coupling 1/4 NPT		1						
342.096	# Elbow 1/4 NPT M × 1/4 Push-Loc	sh-Loc	1						
10215	# Nipple 1/4 NPT x 3/8 Push-lok	lok	6						
15.190	# Regulator, Air 125 PSI		1						
12640-40	# Regulator, Air 40 PSI		1						
11765	# Elbow 1/4 x 1/4-18 F x 90		2						
11884	# Tee 3/8 Nylon Push-loc		1						
11554-60	# Gauge, 2" x 60 PSI x 1/4 NPT	Т	1						
11554-160	# Gauge, 2" x 160 PSI x 1/4 NPT	РТ	1						
252.190	# Valve Mini Push Pull		2						
460.268	# 1/4 OD x .17 ID Tubing		10						
911	# Tee 1/4 NPT pipe cross		1						
4931	# Hose 1/4 x 14" OAL 300 PSI x 1/4 NPT Male	l x 1/4 NPT Male	1						
10080	# Tubing .375 O.D.x .25 ID		с						
778	# Nipple 1/4 Black		2						
4862	# HWHST 1/4-14 x 1 Self Drilling	ling	4						
265.028	# HWSLTCS #8-32 X 3/8 23		4						
10676	# Water Extractor		1						
379.096	# Elbow 1/8 NPT M x 90 tubir	x 90 tubing push in	2						
1323	# Reducer, Bushing 1/2 x 1/4		2						
1767	# Air Muffler 1/4		1						
214	# Nut 1/4-20		2						

**Pneumatic Parts Listing** 



### Notes



### Notes



### Warranty and Return Policy

Warranty & Workmanship you can depend on.

With over 30 years of manufacturing experience we maintain the ability to provide competitive prices while employing and manufacturing the majority of our products in the USA. Pride in our workmanship and standing behind each and every product is not just our claim but our uncompromising responsibility.

Tire Service International equipment is warranted to be free from defects in materials and workmanship for a period of one year from the date of original purchase to the original owner. Repair labor is warranted for 90 days from the date of original purchase. Bushings, blades, bearings and normal wear and tear are not covered under warranty. Careless handling, negligence, misuse, abuse, mutilation, improper operation, making unauthorized repairs, additions, and or alterations automatically cancel this warranty and relieves TSI of any obligation. Cheetah tanks claimed to be defective while under warranty will be evaluated at our manufacturing plant and either repaired if possible or exchanged and returned or credit issued to the customer account at our discretion. Damage resulting from dropping the tanks will not receive warranty consideration. Warranty parts need to be returned prepaid to the plant for credit. Any replacement parts shipped from the plant will be shipped at the customer's expense. Machines requiring warranty work must be brought to the manufacturing plant in 201 Chelsea Rd, Monticello, MN or to a repair facility authorized by TSI.

**!!WARNING!!** Goods returned without an RGA will be refused. A Returned Goods Authorization form must be obtained before returning any material or goods. All non-warranty returns will be subject to a 15% restocking fee plus any additional charges for reconditioning/repacking.



Visit www.buyTSI.com for any additional information. Also be sure to follow us on all the Socials, and subscribe to our YouTube channel for all our product videos.

Copyright © 2022 Tire Service International, LLC

No part of this manual may be reproduced without specific approval from Tire Service International, LLC.

