GIZIS 40-40SA Center Post Tire Changer

For servicing single piece automotive and most light truck tire/wheel assemblies



Parts Identification

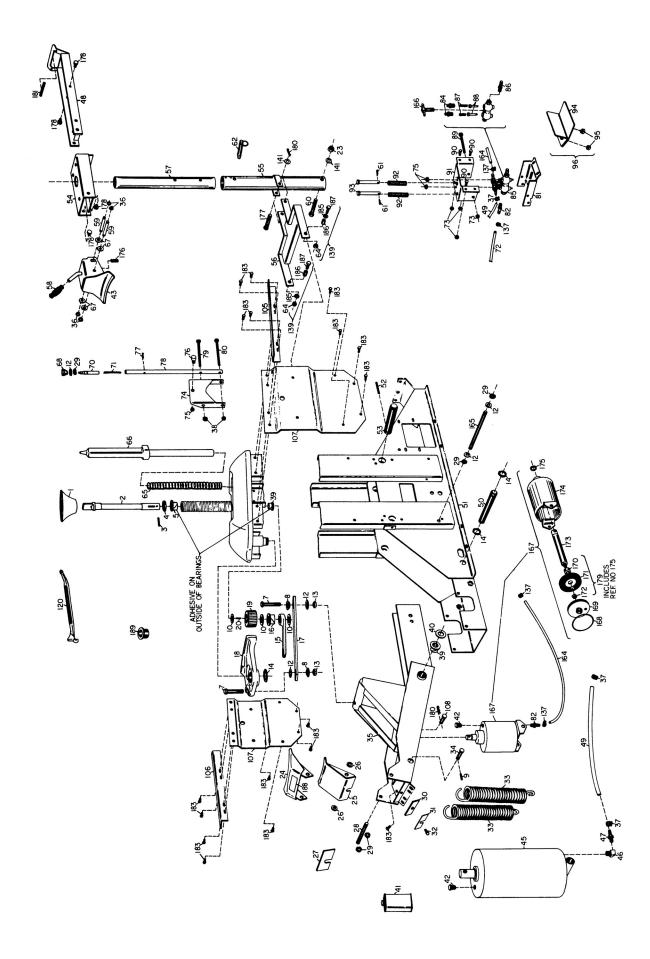
READ these instructions before placing unit in service KEEP these and other materials delivered with the unit in a binder near the machine for ease of reference by supervisors and operators.



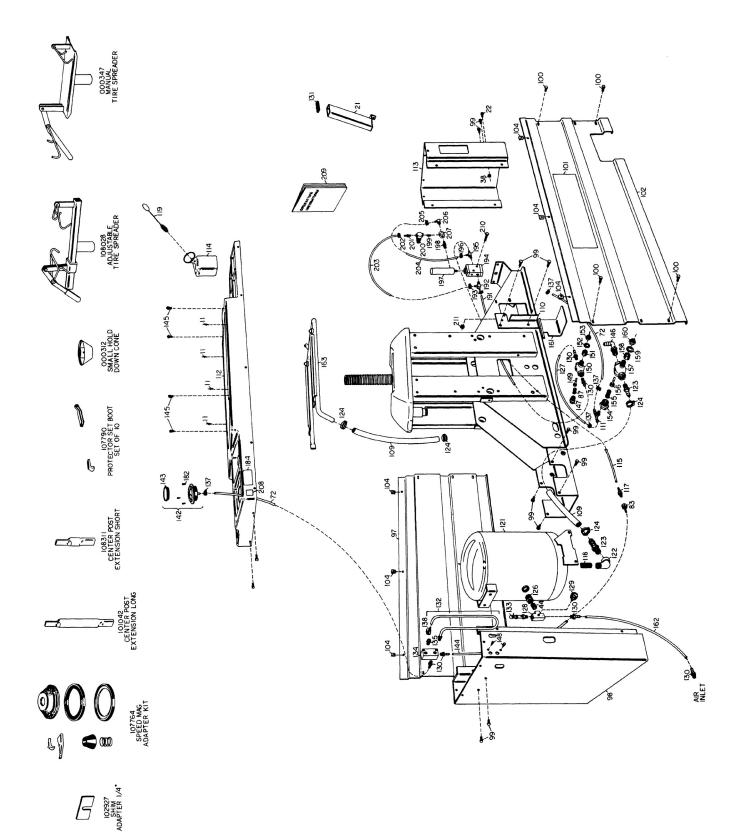
1601 J. P. Hennessy Drive, LaVergne, TN USA 37086-3565 615/641-7533 800/688-6359 www.ammcoats.com HENNESSY INDUSTRIES INC. Manufacturer of AMMCO®, COATS® and BADA® Automotive Service Equipment and Tools.

REF. PART NO. NUMBER DESCRIPTION	163 109672 Air Tube Complete	105552 1/4" Hose 28-3/4" L	165 107207 Lower Pivot Axle	107234	167 107199 5" Cylinder Assembly Power	101000	000465	106652	116/01	10/5/6	10/510		002/01	1/5 10645/ Wiper Seal		21201	107587	107419	107732	107983		183 107413 Serrated Washer H.D. Bolt		109849	101018	107738	187 107715 H.H.C.S. 3/8 - 16 x 1-1/4		108147	106285	110325	101428	109466	110325 1	196 101428 1/4" Hose Clamp	10430	109472	181392	104844	202 101428 1/4" Hose Clamp	103649	103649	101428	110325	109468	109769	209 109818 Operating Instructions	142160		NOTE: This Parts List may not be representative	or your machine because of production changes.
REF. PART NO. NUMBER DESCRIPTION	109 108319 3/4" Hose 27-1/2"	110533 Inflation Limiter Br	111 106278 Male Branch Tee	107922	106248		110536	102390	106188	000491	000/68		2/6000	123 1045/3 3/4* Straight Fitting (Ea.) 124 101346 Hose Clamo (Ea.)	101310	210101	108964	108968	102390	107768		132 106871 Inflation Hose Assembly	104968	106570	103737	000745	101428	138 410419 AIr Chuck		107985	107517	106289	106301 1/4 Hex Whiz I		146 10/924 3/4" Plastic Elbow	10201	104649	104600	104673	104613	104611	106350	104651	104652	106298	104674	104612			100001	
REF. PART NO. NUMBER DESCRIPTION	55 107655 Large Tube W/C	107658	107661	100979	108293		102278	107665	000516	108292	108291	108265 1/2" Machine		20 101363 Bush Handlo	104284		106303 3/8" Whiz I oc	104120	103260	104354 Stud Kit	103006	106230	110653	110653	104108	000378	108605	84 104355 Valve Cap (Ea.)		102468	102469	110653	107413	104110	92 104149 Valve Spring	106035	000525	106190	97 108300 Side Panel Rear Complete		102459	102459	110824	108298	103 106301 1/4" Hex Wire Lock Self-Tap	100001	104 106304 Skin Fastener Linnerman (Ea.) 405 406594 Ando Too Sumoot		108130	107238	
REF. PART NO. NUMBER DESCRIPTION	1 108276 Centering Cone		000304 3/8" × 1-3/4"	108290		107139	101296	100958	101181	101651	108593	108280	/96001	14 100964 1-1/4" Snap Hing (Ea.)	101250		104247	100951		1077701	107715 HHCS 3/8 - 16 x 1-1	101039	101042	101251	100994	102927	101003 Lower Shoe Shaft	29 101001 3/4" Shap Hing (Ea.)	101506	105131	104012	101002	107195	120095	37 101427 Hose Clamp		101651	101411	42 105678 Plastic Breather Plug	43 108131 Shoe W/C	000580 1	107242		101898	108134	107240	50 101000 Lower Cylinder Snart	100001	1002001		

When ordering parts always give the following information: (1) Part Number (2) Description (3) Serial Number of Your Machine







Notes

Notes



Read and follow installation and maintenance instructions on this page and in the unit's Operators Manual to help insure proper, safe operation and to obtain the best possible service life from the unit. Correct installation, regular inspections, and proper maintenance are essential to help accidents and injuries.

Installation Instructions

1. The COATS 40-40SA should be securely bolted to the floor using the slotted holes on each side of the frame. Use all four anchor points. Use high strength, corrosion resistant fasteners.

2. The operating pressure range at the machine must be 100 to 175 PSI. DO NOT EXCEED 175 PSI at the machine. Sufficient air pressure is required for good performance. The 40-40SA is supplied with a 1/4" male pipe thread for easy connection. The connection is located at the lower left corner on the operators side. DO NOT HAVE AN UNATTACHED, UNRE-STRICTED AIR LINE AVAILABLE AT OR NEAR THE MACHINE. ALL AIR SERVICE/LINES AVAILABLE TO OPERATORS SHOULD BE THROUGH THE TIRE CHANGER.

3. Read and follow additional instructions in the unit's Operators Manual.

General Maintenance

1. The moving parts of the COATS 40-40SA are self-lubricating through the use of powdered metal and nylon bearings for extended trouble-free performance.

2. Lower bead loosener shoe adjustment:

- A. Mount a 14" or 15" steel rim without a tire on the table of machine.
- **B.** Cycle the machine and note the clearance between the flange of the steel rim and the small lower shoe (Ref. No. 25). The proper shoe clearance is from 1/16" to 1/8". If clearance is not within these limits, the shoe must be adjusted.
- **C.** To adjust the shoe, loosen 3/8" x 1-1/2" bolt (Ref. No. 32) and add or remove shims (Ref. No. 31) to bring shoe to the correct adjustment.
- D. Tighten the bolt (Ref. No. 32) and check adjustment again as described in "A" and "B".

3. Air gauge calibration:

- **A.** Mount a large 15" tire/wheel on the table top of the machine. Pressurize the tire to 32 PSI. Measure the pressure with a high quality pencil extension-type tire gauge. Connect the tire changer's air chuck to the tire valve.
- **B.** If the gauge does not read 32 PSI, remove the screw-on gauge lens and loosen the two screws located at the edge of the dial face. Do not loosen the screws more than three turns.
- **C.** Rotate the dial face until the 32 PSI graduation is in alignment with the pointer.
- **D.** Tighten the dial face screws and clean and replace the screw-on lens.
- **E.** If the gauge is inoperative or defective, replace it immediately. Order part number 8107980 from the COATS Company, phone (615) 641-7533. If your machine is equipped with the optional pressure limiter, the function of the limiter should be checked weekly.

7" Diameter Cylinder Maintenance (Ref. No. 45)

Proper cylinder maintenance is necessary for safety and performance. The design of the hydraulically dampened air cylinder (Ref. No. 45) facilitates smooth, controlled bead loosening, mounting, demounting. Internal sealing surfaces are chrome plated to provide long seal life. A small amount of oil is usually lost after a period of time in lubricating the seals. It is important that the cylinder be filled to the proper level at all times. If the oil becomes low, the machine will surge at the beginning of the stroke. Cylinder oil level should be checked before initial operation and semi-annually thereafter. If fast or jerky motion is noted, cease operation and check oil level immediately. A high quality hydraulic oil must be used. This can be ordered from The COATS Company (Ref. No. 41), phone (615) 641-7533.

- 1. To add oil: Remove the front panel by removing four 3/8" bolts (Ref. No. 100) and three 1/4" bolts (Ref. No. 104).
- **2.** Depress and hold foot pedal to extend the cylinder to the top of its stoke.

3. Carefully clean around the plastic breather plug (Ref. No. 42), remove it, and place it where it will not pick up any dirt or debris. Fill the cylinder to within 1" to 1-3/16" from access hole in the top. Be careful that no dirt falls in through the access hole.

4. Replace the plastic breather plug and replace the front panel.

5" Diameter Cylinder Maintenance (Ref. No. 167)

The cylinder requires periodic lubrication. This is performed without removing the cylinder from the machine.

1. Remove the front panel by removing four 3/8" bolts (Ref. No. 100) and three 1/4" bolts (Ref. No. 104).

2. Remove the plastic breather plug (Ref. No. 42) on the cylinder. Add 1/2 ounce of 10W-30 motor oil with a spout-type oil can. DO NOT FILL THE 5" CYLINDER WITH OIL.

3. Check by actuating the machine several times to insure proper function. Add more oil if necessary.

4. Replace breather plug and front panel.



Read and follow all safety information on the machine. Always work carefully and safely.