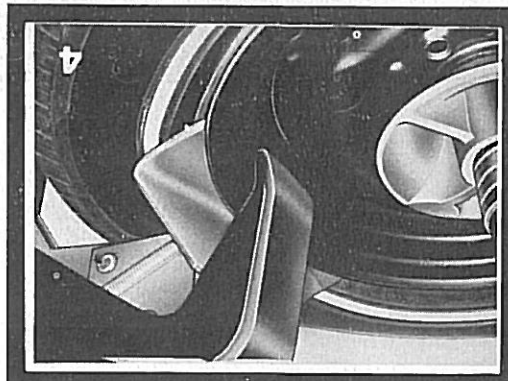
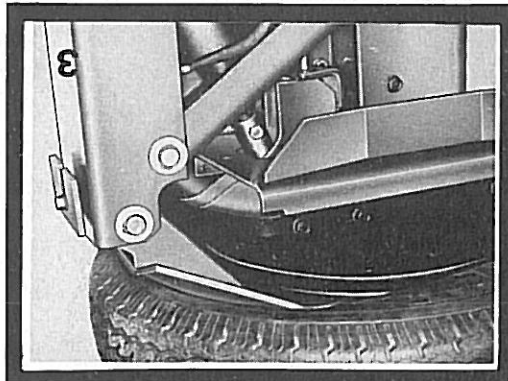
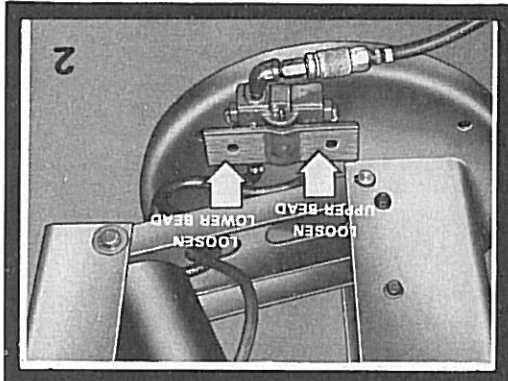
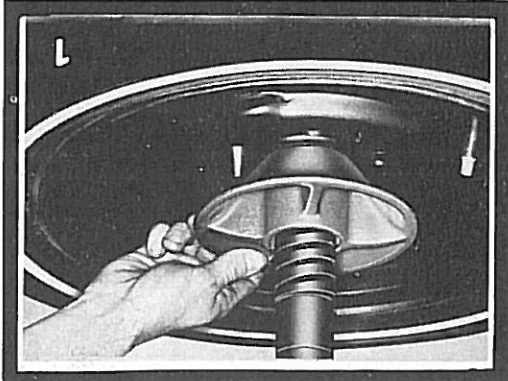


OPERATING INSTRUCTIONS



705 #

COATS® 710



BEAD LOOSENING OPERATION

LOOSEN BOTTOM BEAD FIRST

Step 1.

Remove the core from the tire valve and allow the pressurized air to escape.

Step 2.

Place the tire and wheel assembly on the contoured table top with the narrow side of bead seat up. Be sure the positioning pin is through one of the lug holes of the wheel. Thread the hold down cone clockwise on the center post. See Fig. 1.

Step 3.

A foot pedal valve is provided to operate the lower bead loosener. Depress the right pedal to raise the bottom bead loosener and loosen the tire bead from the rim. See Fig. 2 and 3.

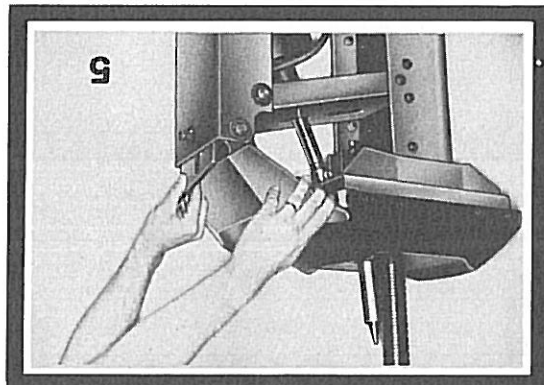
LOOSENING TOP BEAD

Step 4.

With the bead loosener in the up position, swing the upper bead loosener shoe on the tire next to, but not on, the rim. Be sure the top bead loosener guide is engaged on the rim. Press down on the left pedal until the bead is loosened. See Fig. 4. Depress the right pedal and raise the bead loosener. Swing the upper bead loosener out of the way and lower the bead looseners.

CUSTOM WHEELS

The 1/4" shim is used on some aluminum and magnesium wheels with a wide flange to prevent the bottom bead loosener from catching and damaging the rim. To install, raise the bottom bead loosener and place the 1/4" shim between the shoe and the support channel. See Fig. 5.



TIRE REMOVING OPERATION

1. Always apply lubricant to both top and bottom beads.

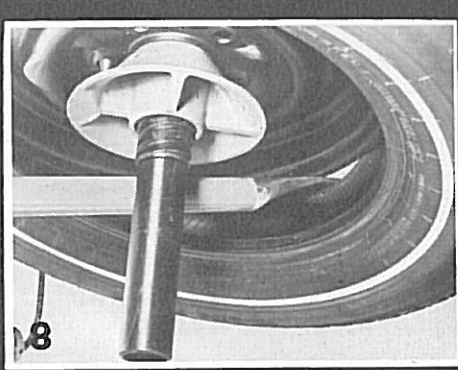
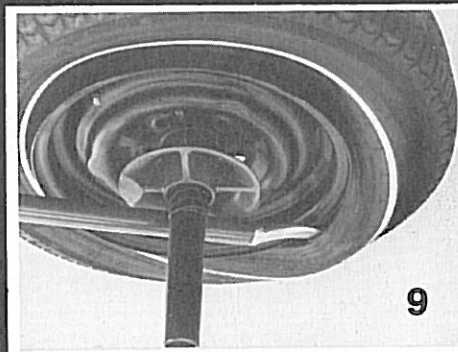
2. Push top bead down into drop center of the rim and reach across wheel and insert take-off end of the combination tool under top bead. Lower handle as shown in Fig. 6.

3. Move hands to opposite end of tool and pull tool in clockwise direction until the entire upper bead is above rim. (See Fig. 7).
Note: If tire contains a tube, take out the tube before removing the bottom bead.

4. With top bead above the rim, lift and push bottom bead into drop center of rim. Reach across wheel and insert Take-Off end of Tool under bottom bead.

5. Lower handle extension as shown in Fig. 8.

6. Move hands to opposite end of tool and pull tool in clockwise direction to remove tire.



TIRE MOUNTING OPERATION

BOTTOM BEAD

1. Always use a rubber lubricant on both top and bottom beads. See Fig. 9. Note: If tube is used, insert tube in casing, apply air to round out tube. Apply rubber lubricant to exposed tube surface.

2. Place tire loosely on rim, but do not force bottom bead into rim well before placing hook end of combination tool.
3. Place the hook end of the combination tool between the lower bead and top of the rim with the hook over the wheel rim flange as shown in Fig. 10. Move hands to opposite end of tool and pull tool in clockwise direction. If tire rotates with tool, hold tire with left hand while pulling on tool.

TOP BEAD

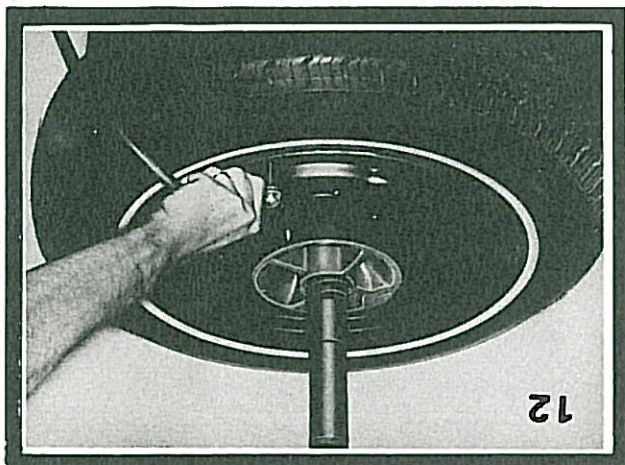
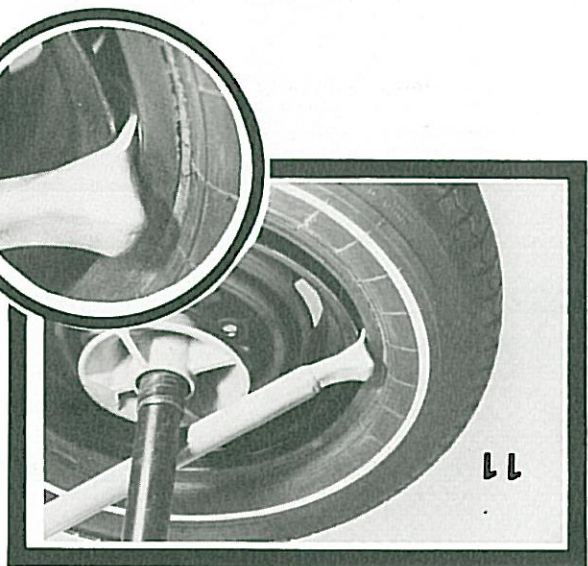
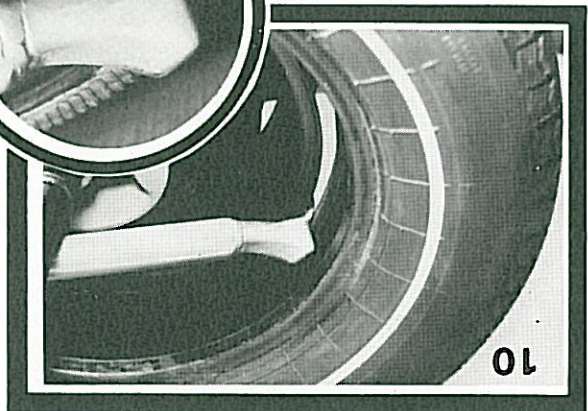
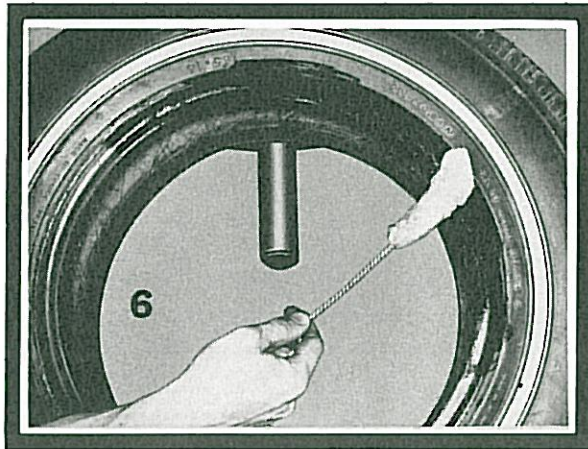
The top bead is mounted in a similar manner to the bottom bead as described above. See Fig. 11.

INFLATION

Loosen hold down cone and inflate tire. See Fig. 12.

! DANGER

Never exceed 40 psi when seating beads. Excessive pressure can cause tires to explode causing serious injury and death.



! DANGER

NEVER EXCEED 40 PSI WHEN SEATING BEADS. EXCESSIVE PRESSURE CAN CAUSE TIRES TO EXPLODE, CAUSING SERIOUS INJURY AND DEATH. ALWAYS LUBRICATE WITH APPROVED LUBRICANT AND NEVER DAMAGE TIRE BEADS. KEEP HANDS AND ENTIRE BODY BACK FROM INFLATING TIRE.

SPECIAL SAFETY INSTRUCTIONS

1. Never stand with any part of body over tire during inflation process.
2. Before starting, release all air from tire.
3. Place rim with **NARROWEST** bead seat or flange up.
4. Position tire so that the valve is directly in front of operator, and so that bead breakers will not damage the valve.
5. Hand tighten hold-down cone, or adapter, before breaking beads, mounting or demounting.
6. Use approved lubricant on ALL beads before seating beads, mounting or demounting.
7. Loosen hold down cone one full turn before inflation.
8. To seat beads use a **SMALL** amount of air **INTERMITTENTLY**. NEVER exceed tire industry recommendation of 40 P.S.I.
9. During inflation, observe pressure frequently and avoid distraction to prevent overinflation.

INSTALLATION INSTRUCTIONS

1. Stand must be bolted solidly to floor for efficient operation. This may be done by several methods. Two are suggested here.
 - A. Mark and drill two 1" holes in concrete floor 3 1/2" deep. Set two 1/2 x 5" mach. bolts, heads down, in holes. Melt powdered sulphur and pour around bolts. Liquid sulphur will solidify in about five minutes. Place Stand in position and mark remaining two holes and follow above procedure.
 - B. Use 1/2" lag screws 4" long and suitable anchors.
2. This machine should be used with an air supply which does not exceed 175 p.s.i. The recommended operating pressure is 150 p.s.i.
3. Keep your tire machine and tools clean and oiled. They work easier and last longer.
4. The addition of a filter and lubricator to the air supply line will prolong the life of the air cylinder seals.

MANUFACTURED BY

THE COATS COMPANY

La Vergne, Tennessee 37086

108235

The Coats Company
La Vergne, Tennessee 37086



A Hennessy Company

EAST COAST OFFICE: Hennessy Industries, Inc., 224 Lackawanna Avenue, West Paterson, New Jersey 07424
MIDWEST OFFICE: Hennessy Industries, Inc., 608 Country Club Drive, Bensenville, Illinois 60106
WEST COAST OFFICE: Hennessy Industries, Inc., P.O. Box 26820, San Diego, California 92129
ARLON OFFICE: Hennessy Industries, Inc., 3256 West Market St., Akron, Ohio 44313
SOUTHWESTERN OFFICE: Hennessy Industries, Inc., 16507 Hedgecroft Blvd., Suite 112, Houston, Texas 77060
SOUTHEASTERN OFFICE: Hennessy Industries, Inc., 6463 Atlantic Blvd., Norcross, Georgia 30071

COATS®

710

This Parts List is for
units with

Serial No. 01659 and up

Manufactured by The Coats Company

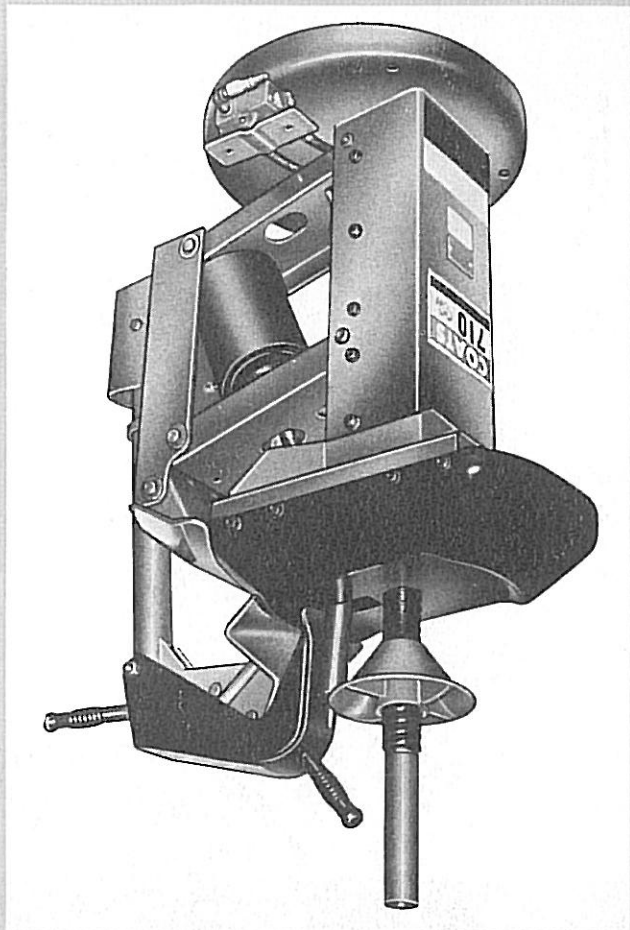
1601 J. P. Hennessy Drive

La Vergne, Tenn. 37086

PHONE: 615-793-7533

TWX: 810-380-4372

ORDER PARTS FROM YOUR DISTRIBUTOR OR JOBBER



REF NO.	PART NO.	DESCRIPTION	REF NO.	PART NO.	DESCRIPTION
1	000433	Hold Down Cone	37	106662	Upper Bead Loosener Bracket Weldment
2	106602	Table Top Weldment	38	106953	3/8" - 12 Hex Hd Bolt Black (ea.)
3	101343	Positioning Pin	39	101040	1/2" x 3 3/4" Cap Screw N.C.
4	102928	Cotter Pin	40	101039	1/2" Lock Nut N.C. (ea.)
5	100952	Positioning Pin Spring	41	106638	Lower Shoe Weldment
6	010027	Washer	42	106665	Upper Bead Loosener Arm
7	106620	Pivot Pin (Short)	43	100979	Top Bead Loosener Handle Grip (ea.)
8	101181	Roll Pin	44	000437	Cap Tube
9	107139	Hitch Pin	45	102376	1/2" x 3 3/4" Cap Screw N.C.
10	106300	3/8" Self Tapping Bolt (ea.)	46	101163	Top Bend Loosener Nose
11	108017	Warning Decal	47	102276	Clevis Pin (ea.)
12	106601	Chassis Weldment	48	101106	Top Bead Loosener Shoe Spring (ea.)
13	101001	Snap Ring (ea.)	49	102278	1/8" x 1" Cotter Pin (ea.)
14	106619	Center Post Bolt 3/4" x 1 3/4"	50	100988	Top Bead Breaker Shoe
15	100994	Washer	51	102927	1/4" Shim.
16	106618	Nest Channel	52	106645	5" Cylinder Assembly
17	106303	3/8" Lock Nut (ea.)	53	000465	Cap O-Ring
18	107228	Self Tapping Screw (ea.)	54	106652	5" Cylinder Bottom Cap Weldment
19	101428	Hose Clamp (ea.)	56	120463	3/4" - 10 Jam Nut
20	000378	Straight Fitting	57	106818	Treadle Clevis Pin
21	106621	Pivot Pin (long)	58	106819	Treadle Cotter Pin
22	105615	Small Muffler	59	106779	Piston Rod
23	106815	Foot Pedal Kit	60	106646	Barrel Weldment
24	106816	Poppet Kit (ea.)	61	106835	Rod Seal
25	106656	4-Way Foot Valve Comp.	62	106657	Wiper Seal
26	106661	1/4" Hose (long)	63	106667	Upper Bead Loosener Assembly
27	106660	1/4" Hose (short)	64	108059	Inflation Warning Decal
28	105635	90° Short Fitting	65	107156	Combo Tool
29	000376	1/4" x 90° Fitting	66	107511	Spacer
30	106642	Parallel Linkage (ea.)	67	107576	Piston Cup
31	106644	7/16" x 1 3/4" Cylinder Bolt N.F.	68	107423	Combo Tool Protector Set
32	106643	Cylinder Shaft Extension	74	105131	3/8" x 1 1/4" Self Tapping Screw
33	000554	7/16" Lock Nut N.F.	75	107738	Spacer Bushing
34	101253	3/4" Machine Bushing	76	107008	Wing Nut
36	106641	Lower Shoe Support Channel			

