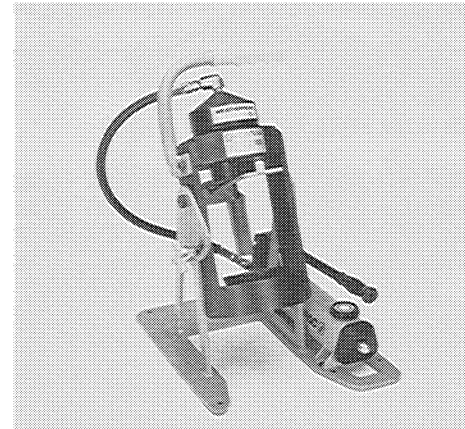
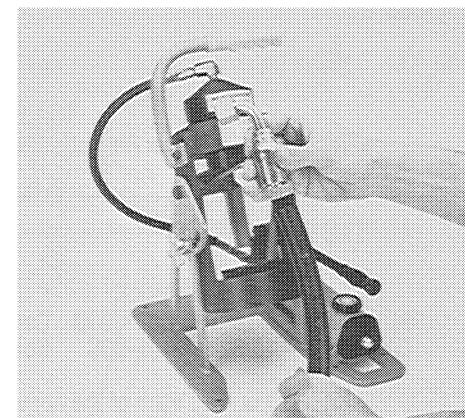


T-460 Operating Instructions

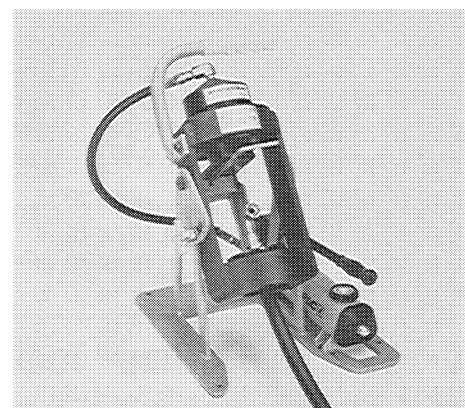


- A.** Slide pusher to back of machine and insert proper size collet halves.

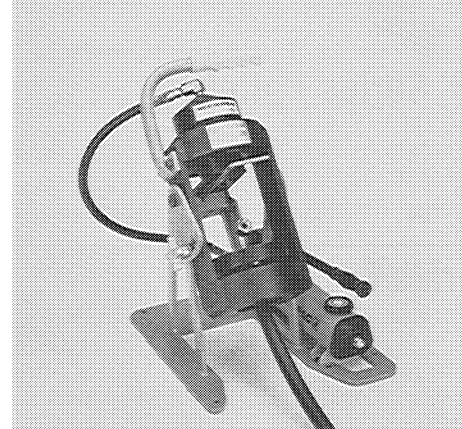
NOTE: Lubricate tapered cone seat with Lubriplate grease or equivalent before any crimping is done. Continued periodic lubrication is recommended.



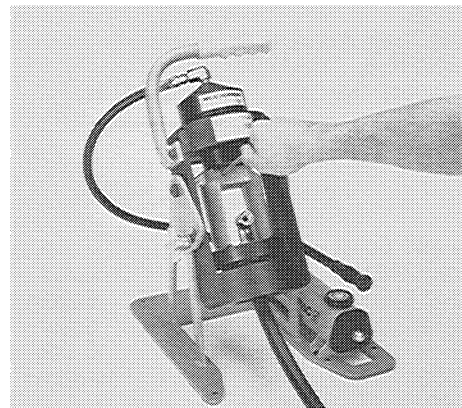
- B.** Select proper Weatherhead Coll-O-Crimp hose end fitting. Insert hose into end fitting. **IMPORTANT: Make sure hose is bottomed on end fitting.** For insertion depth information, reference page 6, figure A.



- C.** Insert hose assembly from below between the collet halves. Align dimples on hose end with top collet. When crimping H249, H338, H347, and H747 hose, align top of collar on hose end with top surface of collet.



- D.** Reference spacer ring selector chart on press for proper spacer ring. Place appropriate spacer ring, with proper side up, on top of collet. Reference page 6, figure B. Hold uncrimped hose assembly in place throughout crimping operation.

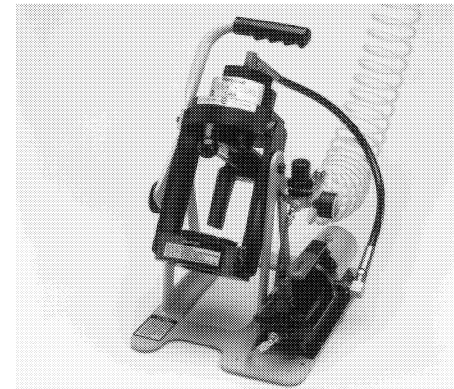


- E.** Pull pusher positioning handle as far forward as it will go. The pusher will now be in the proper position for crimping. Close valve on hand pump and start pumping to crimp.



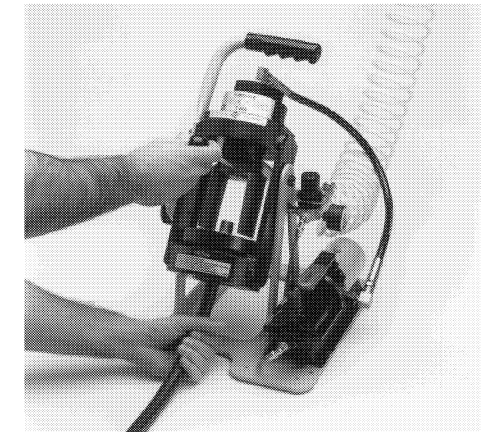
- F.** When spacer ring contacts die ring, the crimp is complete. Open control valve on hand pump. Allow the ram and pusher to retract. Slide pusher clear and remove spacer ring. Remove crimped assembly from below through the collet halves. **Note: Visually inspect the crimped end.** The crimp on the collar should be located 1/16" from dimples, reference page 6, figure C.

T-462 Operating Instructions



- A.** Slide pusher to back of machine and insert proper size collet halves.

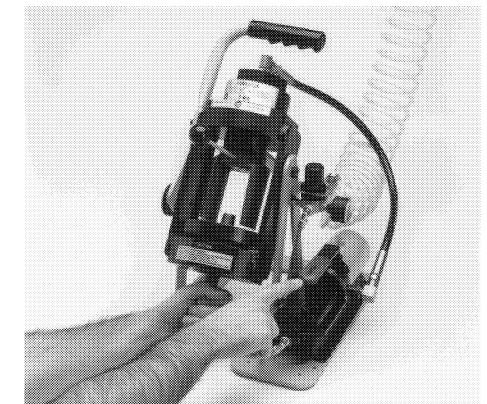
NOTE: Lubricate tapered cone seat with Lubriplate grease or equivalent before any crimping is done. Continued periodic lubrication is recommended.



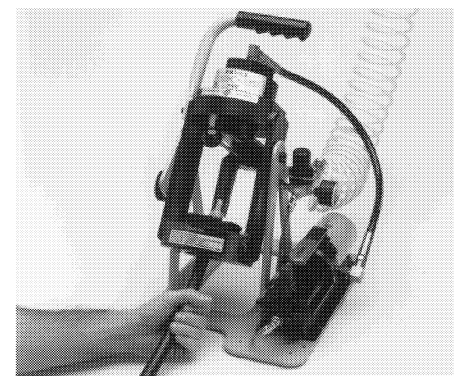
- D.** Pull the pusher positioning handle as far forward as it will go. The pusher will now be in the proper position for crimping.



- B.** Select proper Weatherhead Coll-O-Crimp hose end fitting. Insert hose into end fitting. **IMPORTANT: Make sure hose is bottomed on end fitting.** For insertion depth information, reference page 6, figure A.



- E.** Push the pressure valve down until the spacer ring contacts the die ring; the crimp is now complete.



- C.** Insert hose assembly from below between the collet halves. Align dimples on hose end with top collet. When crimping H249, H338, H347, and H747 hose, align top of collar on hose end with top surface of collet. Reference spacer ring selector chart on press for proper spacer ring. Place appropriate spacer ring, with proper side up, on top of collet. Reference page 6, figure B. Hold uncrimped hose assembly in place throughout crimping operation.



- F.** Press down on the return lever to allow the ram and pusher to retract. Slide pusher clear and remove spacer ring. Remove crimped assembly from below through the collet halves. **Note: Visually inspect the crimped end.** The crimp on the collar should be located 1/16" from dimples, reference page 6, figure C.

Operating Instructions (Con't)

Figure A

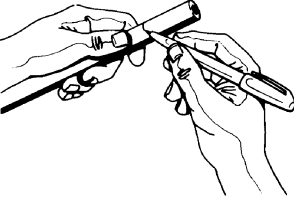
Insertion Depth					
Place hose ends on hose until hose is bottomed in collar. To insure that hose is bottomed in collar, mark the insertion depth on the hose before inserting it into the hose end. On aluminum hose ends, hose is bottomed when hose is visible in viewing hole in collar. 					
Hose Size	"U" Series Rubber	"E" Series Nylon/Teflon	069 "E" Series Truck Hose	347 Series Refrigerant Hose	338 "P" Series
3/16	---	---	15/16	---	---
1/4	1-1/2	13/16	15/16	---	---
5/16	---	15/16	1-1/16	1	---
3/8	1-1/2	15/16	---	---	1
13/32	---	---	1-1/16	1-1/16	---
1/2	1-1/2	1-1/16	1-1/8	1-9/32	1
5/8	1-15/16	---	1-1/14	1-1/8	---
3/4	2-5/16	1-1/4	---	---	---
7/8	---	---	1-5/16	---	---
1	2-5/16	1-11/32	1-1/2	---	---
1-1/8	---	---	1-15/32	---	---
1-1/4	2-5/16	---	---	---	---

Figure B

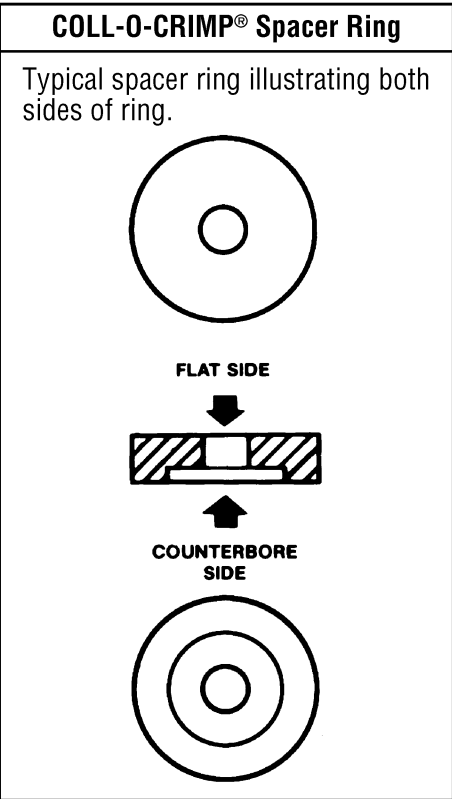


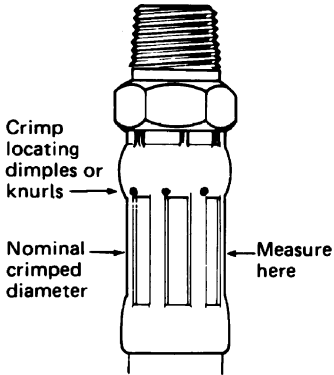
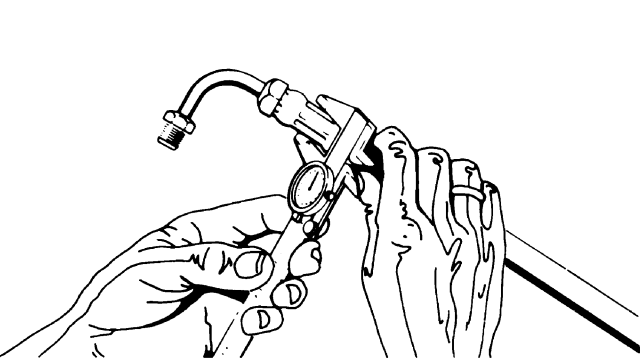
Figure B

Nominal Crimp Diameter Measurement

Measuring crimp diameters should be a part of the normal hose assembly procedure. To insure a proper crimp diameter reading, follow these steps:

1. Measure the diameter in the middle of crimped portion of the hose end.
2. Place the caliper in a position to allow a measurement across the pressed (flat) portion of the crimp.
3. See crimp diameters on page 7.

NOTE: In the larger sizes, calipers may be used; however, in the smaller sizes, and in the "E" Series thermoplastic hose ends, a point micrometer will provide an accurate reading.



COLL-O-CRIMP® Portable T-460 & T-462

Equipment

The Weatherhead tools listed below are offered in kits for any given hose type, or collets and tools can be purchased individually by catalog number.

338 'P' Series Collets

For Hose: H338
T-400-102C Collet - 3/8" FS-2900 Label Set
T-400-103C Collet - 1/2"
T-400-104 Kit includes one each of the above.

'U' Series Collets

For Rubber Hose: H017, H039, H104, H105, H114, H115, H145*, H146, H245, H300, H324 & H425

T-400-2C Collet - 1/4" T-400-5C Collet - 3/4"
T-400-3C Collet - 3/8" T-400-6C Collet - 1"
T-400-4C Collet - 1/2" T-400-12 Collet - 1-1/4"
T-400-64C Collet - 5/8"

T-400-67 Kit includes one each of the above.
FS-1100 Label Set/Layout Guide

NOTE: Black, Green, Yellow or Silver Spacer Rings required for Rubber Hose. Spacer Rings not included in T-400-67 Kit.
*Through size - 12 only.

'E' Series Collets

For Nylon & Teflon® Hose: H009, H243, H435 & H436

T-400-39C Collet - 3/16" (For H243 Hose Only) T-400-33C Collet - 3/8"
T-400-31C Collet - 1/4" T-400-34C Collet - 1/2"
T-400-32C Collet - 5/16" T-400-35C Collet - 3/4"
T-400-36C Collet - 1"

T-400-30 Kit includes one each of the above.
FS-1200 Label Set/Layout Guide

NOTE: Black Spacer Ring required for Nylon Hose. Green or Red Spacer Ring required for Teflon® Hose. Spacer Rings not included in T-400-30 Kit.

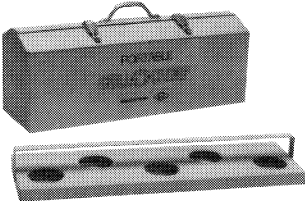
347 'E' Series Collets

For Refrigerant Hose: H347

T-400-46C Collet - 5/16" T-400-48C Collet - 1/2"
T-400-47C Collet - 13/32" T-400-49C Collet - 5/8"

T-400-65 Kit includes one each of the above.
FS-1400 Label Set/Layout Guide

NOTE: Black Spacer Ring required. Spacer Ring not included in T-400-65 Kit.



069 'E' Series Collets

For Truck Hose: H069, H166, H169 & H369

T-400-54C Collet - 3/16" T-400-58C Collet - 1/2"
T-400-55C Collet - 1/4" T-400-59C Collet - 5/8"
T-400-56C Collet - 5/16" T-400-60C Collet - 7/8"
T-400-57C Collet - 13/32" T-400-61C Collet - 1-1/8"

T-400-66 Kit includes one each of the above.
FS-1500 Label Set/Layout Guide
T-400-70 Collet - 1-3/8" (available separately only)

NOTE: Black, Silver or Yellow Spacer Rings required for Truck Hose. Spacer Rings not included in T-400-66 Kit.

249 'A' Series Collets

For Refrigerant Hose: H249 & H347

T-400-94C Collet - 5/16" T-400-96C Collet - 1/2"
T-400-95C Collet - 13/32" T-400-97C Collet - 5/8"

T-400-93 Kit includes one each of the above.
FS-2700 Label Set/Layout Guide

NOTE: Blue Spacer Ring required. Spacer Ring not included in T-400-93 Kit.

747 'A' Series Collets

For Refrigerant Hose: H747

T-400-99C Collet - 5/16" T-400-101C Collet - 1/2"
T-400-100C Collet - 13/32" T-400-96C Collet - 5/8"

T-400-98 Kit includes one each of the above.
FS-2700 Label Set/Layout Guide

NOTE: Silver Spacer Ring required. Spacer Ring not included in T-400-98 Kit.

Spacer Rings

Catalog Number	Color	Catalog Number	Color
T-400-10	Black	T-400-38	Red
T-400-11	Silver	T-400-62	Yellow
T-400-37	Green	T-400-92	Blue

NOTE: See Hose End and Tool Selector Chart for proper spacer ring selection of hose style and size desired.

T-460-M Instruction Kit for T-460

T-460-10 • Coll-O-Crimp® Tool Box

The T-460-10 Tool Box compliments our T-460 and T-462 portable crimpers by offering you storage for your collets, spacer rings, and perhaps an assortment of hose ends.
Measurements: 25"x9"x8"

*Teflon® is a registered trademark of DuPont.

Nominal Crimp Diameters are for Weatherhead Hose & End Fittings when crimped with Weatherhead Coll-O-Crimp Tooling.

Hose Type	Hose I.D.	Hose End Prefix	Collet	Spacer Ring		Nominal Crimp Dia.	Hose Type	Hose I.D.	Hose End Prefix	Collet	Spacer Ring		Nominal Crimp Dia.
				Color	Flat Side						Color	Flat Side	
H00905	5/16	05E	T-400-32C	Black	Up	.585	H24906	5/16	24906A	T-400-94C	Blue	Up	.675
H00906	3/8	06E	T-400-33C	Black	Up	.655	H24908	13/32	24908A	T-400-95C	Blue	Up	.800
H00908	1/2	08E	T-400-34C	Black	Up	.805	H24910	1/2	24910A	T-400-96C	Blue	Up	.900
							H24912	5/8	24912A	T-400-97C	Blue	Up	1.040
H01704	1/4	04U	T-400-2C	Yellow	Up	.580	H30004	1/4	04U	T-400-2C	Black	Down	.560
H01706	3/8	06U	T-400-3C	Black	Up	.785	H30006	3/8	06U	T-400-3C	Black	Down	.740
H01708	1/2	08U	T-400-4C	Silver	Up	.940	H30008	1/2	08U	T-400-4C	Black	Up	.925
H01712	3/4	12U	T-400-5C	Silver	Up	1.235	H30010	5/8	10U	T-400-64C	Black	Up	1.050
H01716	1	16U	T-400-6C	Silver	Up	1.525	H30012	3/4	12U	T-400-5C	Black	Up	1.215
H01720	1-1/4	20U	T-400-12	Black	Up	1.830							
H03912	3/4	12U	T-400-5C	Silver	Up	1.230	H32406	3/8	06U	T-400-3C	Black	Up	.785
H03916	1	16U	T-400-6C	Silver	Up	1.520							
H03920	1-1/4	20U	T-400-12	Black	Down	1.790	H33806	3/8	33806P	T-400-102C	Black	Down	.700
							H33808	1/2	33808P	T-400-103C	Black	Down	.795
H06904	3/16	06904E	T-400-54C	Yellow	Up	.525	H34504	1/4	04M	T-400-109C	Yellow	Up	.630
H06905	1/4	06905E	T-400-55C	Black	Up	.585	H34506	3/8	06M	T-400-110C	Yellow	Up	.765
H06906	5/16	06906E	T-400-56C	Black	Up	.680	H34508	1/2	08M	T-400-111C	Yellow	Down	.915
H06908	13/32	06908E	T-400-57C	Yellow	Up	.765							
H06910	1/2	06910E	T-400-58C	Black	Up	.910	H34706	5/16	24906A	T-400-94C	Blue	Up	.675
H06912	5/8	06912E	T-400-59C	Silver	Up	1.080	H34708	13/32	24908A	T-400-95C	Blue	Up	.800
H06916	7/8	06916E	T-400-60C	Black	Up	1.275	H34710	1/2	24910A	T-400-96C	Blue	Down	.880
H06920	1-1/8	06920E	T-400-61C	Yellow	Up	1.520	H34712	5/8	24912A	T-400-97C	Blue	Down	1.020
H06924	1-3/8	06924E	T-400-70	Black	Up	1.730							
H10404	1/4	04U	T-400-2C	Black	Down	.560	H34706	5/16	34706E	T-400-46C	Black	Down	.705
H10406	3/8	06U	T-400-3C	Black	Down	.740	H34708	13/32	34708E	T-400-47C	Black	Down	.775
H10408	1/2	08U	T-400-4C	Black	Down	.865	H34710	1/2	34710E	T-400-48C	Black	Down	.895
H10410	5/8	10U	T-400-64C	Black	Down	1.000	H34712	5/8	34712E	T-400-49C	Black	Down	1.025
H10412	3/4	12U	T-400-5C	Black	Down	1.160							
H10416	1	16U	T-400-6C	Black	Down	1.445	H36606	5/16	06906E	T-400-56C	Black	Up	.680
H10420	1-1/4	20U	T-400-12	Black	Down	1.785	H36608	13/32	06908E	T-400-57C	Yellow	Up	.765
H10504	1/4	04U	T-400-2C	Black	Up	.610	H36904	3/16	06904E	T-400-54C	Yellow	Up	.525
H10506	3/8	06U	T-400-3C	Black	Up	.790	H36906	5/16	06906E	T-400-56C	Yellow	Up	.650
H10508	1/2	08U	T-400-4C	Silver	Up	.940	H36908	13/32	06908E	T-400-57C	Black	Down	.735
H10512	3/4	12U	T-400-5C	Silver	Up	1.230	H36910	1/2	06910E	T-400-58C	Black	Down	.865
H10516	1	16U	T-400-6C	Silver	Up	1.515	H36912	5/8	06912E	T-400-59C	Black	Up	1.045
							H36916	7/8	06916E	T-400-60C	Black	Down	1.220
							H36920	1-1/8	06920E	T-400-61C	Black	Down	1.500
							H36924	1-3/8	06924E	T-400-70	Black	Down	1.690
H114 Same as H146 below.													
H11504	1/4	04U	T-400-2C	Black	Up	.610	H42504	1/4	04U	T-400-2C	Black	Up	.620
H11506	3/8	06U	T-400-3C	Black	Up	.790	H42506	3/8	06U	T-400-3C	Black	Up	.795
H11508	1/2	08U	T-400-4C	Silver	Up	.940	H42508	1/2	08U	T-400-4C	Black	Up	.925
H11512	3/4	12U	T-400-5C	Silver	Up	1.230	H42510	5/8	10U	T-400-64C	Black	Up	1.050
H11516	1	16U	T-400-6C	Silver	Up	1.515	H42512	3/4	12U	T-400-5C	Black	Up	1.215
H11520	1-1/4	20U	T-400-12	Silver	Up	1.860	H42516	1	16U	T-400-6C	Silver	Up	1.525
							H42520	1-1/4	20U	T-400-12	Black	Up	1.845
H14504	1/4	04U	T-400-2C	Green	Up	.520	H43504	1/4	04E	T-400-31C	Black	Down	.455
H14506	3/8	06U	T-400-3C	Green	Up	.695	H43505	5/16	05E	T-400-32C	Black	Down	.555
H14508	1/2	08U	T-400-4C	Yellow	Down	.870	H43506	3/8	06E	T-400-33C	Black	Down	.615
H14510	5/8	10U	T-400-64C	Yellow	Up	1.010	H43508	1/2	08E	T-400-34C	Black	Down	.765
H14512	3/4	12U	T-400-5C	Yellow	Down	1.160	H43512	3/4	12E	T-400-35C	Black	Down	1.035
H14516	1	16S	T-400-6C	Black	Down	1.445	H43516	1	16E	T-400-36C	Black	Down	1.295
H14604	1/4	04U	T-400-2C	Green	Up	.520	H436 Same as H435 above						
H14606	3/8	06U	T-400-3C	Green	Up	.695	H74706	5/16	74706A	T-400-99C	Silver	Down	.685
H14608	1/2	08U	T-400-4C	Green	Up	.830	H74708	13/32	74708A	T-400-100C	Silver	Down	.730
H166 & H169 Same as H069 above							H74710	1/2	74709A	T-400-101C	Silver	Down	.835
H209 Same as H435							H74712	5/8	74712A	T-400-96C	Silver	Up	.980
H24304	1/4	04E	T-400-31C	Green	Up	.405	H75706	5/16	75706E	T-400-105C	Black	Down	.495
H24305	5/16	05E	T-400-32C	Red	Up	.475	H75708	13/32	75708E	T-400-106C	Black	Down	.595
H24306	3/8	06E	T-400-33C	Red	Up	.545	H75710	1/2	75710E	T-400-107C	Black	Down	.695
H24308	1/2	08E	T-400-34C	Red	Up	.695	H75712	5/8	75712E	T-400-108C	Black	Down	.850
H24312	3/4	12E	T-400-35C	Red	Up	.978							
H24316	1	16E	T-400-36C	Red	Up	1.225							

T-460 • Portable Coll-O-Crimp®

The Portable Coll-O-Crimp® is a completely PORTABLE hose assembly system. NO ELECTRICAL POWER SOURCE IS NEEDED. Hand pump powered, and lightweight, this crimper is ideal for your portable crimping needs.

- Capacity:** 3/16" I.D. 1 fiber braid through 1-3/8" I.D. 2 wire hose.
- Mounting:** Free standing base
- Size:** 15" High, 14" Wide, 11-1/4" Deep
- Weight:** 52 lbs.
- * **Pump Specifications:**
- Weight:** 4.5 lbs.
- Size:** 3-3/4" x 13"
- Operation Pressure:** 0-10,000 PSI
- Relief Valve Setting:** 10,000 PSI
- Reservoir Capacity:** 20 cu. in.
- Oil Volume per Stroke:** .055 cu. in.
- Hydraulic Oil:** Automatic Transmission Fluid (ATF) or Equivalent

*Use with T-460 Portable Coll-O-Crimp Only.

Portable Coll-O-Crimp® Package

T-464 Portable Coll-O-Crimp® package includes one each of the following:

- T-460** See above for contents.
- T-400-2C** 'U' Series Collet - 1/4"
- T-400-3C** 'U' Series Collet - 3/8"
- T-400-4C** 'U' Series Collet - 1/2"
- T-400-10** Black Spacer Ring

T-462 • Portable Coll-O-Crimp®

The Portable Coll-O-Crimp® is a completely PORTABLE hose assembly system requiring only 100 psi air to operate. NO ELECTRICAL POWER SOURCE IS NEEDED. Air/Hydraulic powered and lightweight, this crimper is ideal for your portable crimping needs.

- Capacity:** 3/16" I.D. 1 fiber braid through 1-3/8" I.D. 2 wire hose.
- Mounting:** Free standing base
- Size:** 15" High, 14" Wide, 11-1/4" Deep
- Weight:** 60 lbs.
- * **Pump Specifications:**
- Weight:** 8 lbs.
- Size:** 4" x 13"
- Operation Pressure:** 0-10,000 PSI
- Relief Valve Setting:** 10,000 PSI
- Reservoir Capacity:** 10 cu. in.
- Hydraulic Oil:** Automatic Transmission Fluid (ATF) or Equivalent

*Use with T-462 Portable Coll-O-Crimp Only.

Portable Coll-O-Crimp® Package

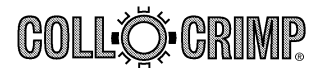
T-466 Portable Coll-O-Crimp® package includes one each of the following:

- T-462** See above for contents.
- T-400-2C** 'U' Series Collet - 1/4"
- T-400-3C** 'U' Series Collet - 3/8"
- T-400-4C** 'U' Series Collet - 1/2"
- T-400-10** Black Spacer Ring



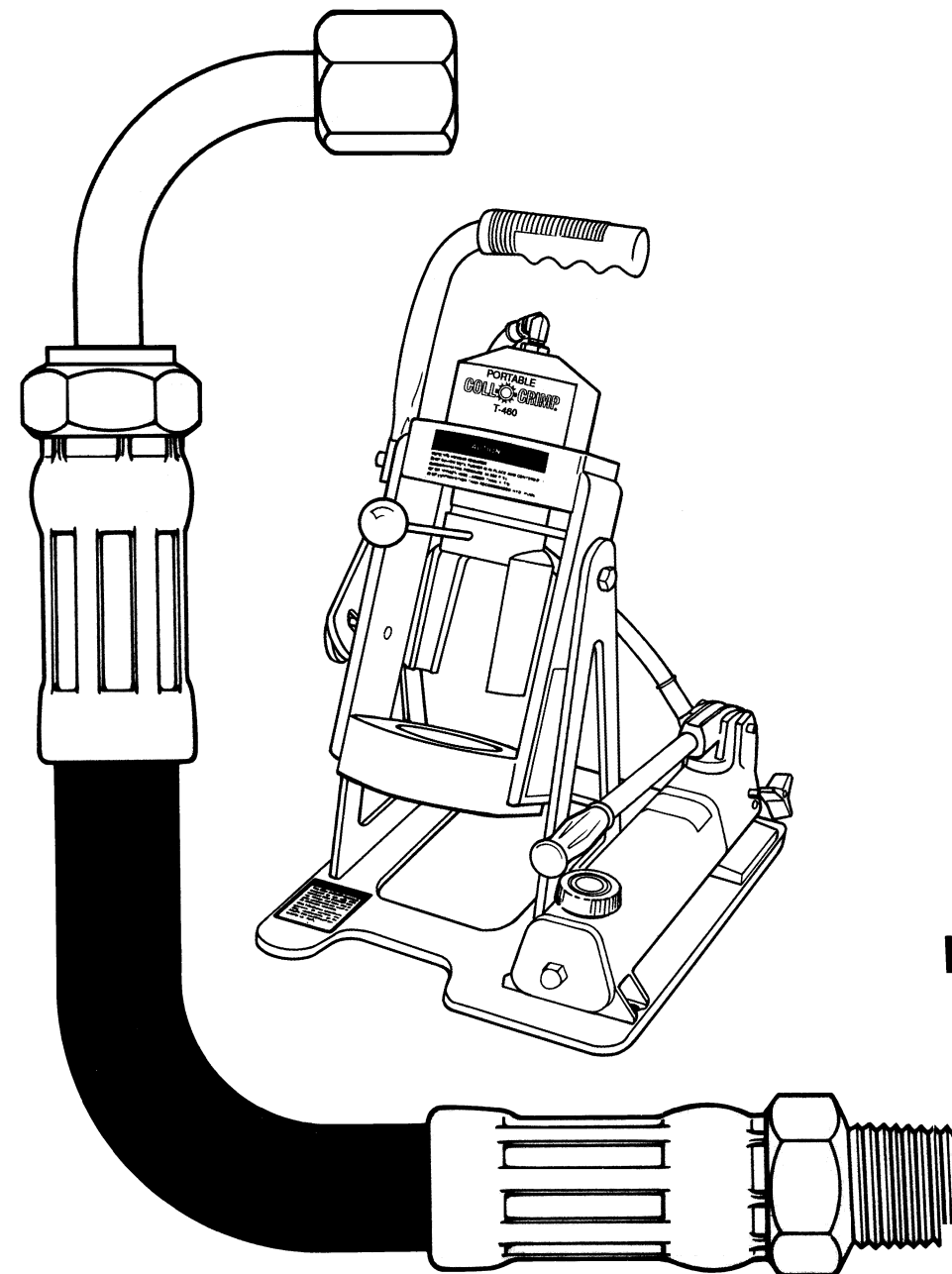
Weatherhead

PORTABLE COLL-O-CRIMP® Model T-460 & T-462 Set up and operating instructions



- ✓ Fast
- ✓ Simple
- ✓ Versatile
- ✓ Portable

CAUTION: It is recommended this booklet be read prior to set-up, then used as a guide during actual assembly. Retain for reference purposes.



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Weatherhead

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