



Group 31
INCORPORATED

U.S. Plant and Headquarters
Newcomerstown, Ohio

XTRASEAL PROFESSIONAL TIRE REPAIR

COMBINATION UNITS

Combination repair units fulfill the industry recommended repair requirements of "filling the injury" and "patching the innerliner" for a one-piece repair system. Use when the injury angle is less than 25 degrees.

LEAD-WIRE COMBINATION UNITS

- For use in radial and bias ply tires
- Designed for chemical or heat vulcanization
- Patch portion has gray vulcanizing gum with blue poly backing
- Stem portion is dip coated or wrapped with premium



LEAD-WIRE COMBINATION UNITS – WRAPPED STEM					
Part Number	Description	Injury Size	Box Qty	Case Qty	Carbide
13-672	1 5/8" (42mm)	3/16" (4.5mm)	24	10	14-345
13-673	2 1/8" (55mm)	1/4" (6mm)	24	10	14-346
13-674	2 1/8" (55mm)	5/16" (8mm)	24	10	14-347

UNIVERSAL QUILLED COMBINATION UNITS

- For use in radial and bias ply tires
- Designed for chemical vulcanization
- Black vulcanizing gum, white backing
- Equipped with quick-release metal quill for easy installation



UNIVERSAL QUILLED COMBINATION UNITS					
Part Number	Description	Injury Size	Box Qty	Case Qty	
13-381	1 5/8" (42mm) Round	1/8" (3mm)	20	10	
13-383	1 7/8" (47mm) Round	3/16" (4.5mm)	20	10	
13-382	2 1/4" (57mm) Round	1/4" (6mm)	15	10	

UNIVERSAL REPAIR UNITS

Universal repair units follow industry recommended repair requirements for "patching the innerliner" as part of a two-piece repair system. These repair units are rubber reinforced and ideal for puncture repair in tubeless radial and bias ply tires.

- Most popular universal repair designed for chemical vulcanization
- Black vulcanizing gum, blue poly backing



USA-STYLE UNIVERSAL REPAIR UNITS					
Part Number	Description	Size (inches)	Size (mm)	Box Qty	Case Qty
11-321	Small Round	1 5/8	41	30	24
11-322	Medium Round	2 1/4	57	25	24
11-323	Large Round	3 1/4	82	15	24

FEATHERED-EDGE TUBE REPAIR UNITS

These tube repair units, designed principally for use on inner tubes, are twice as strong as the tube being repaired and have a feather-edge design to prevent chaffing. When repairing inner tubes, buttonhole the ends of the injury and select a repair unit at least twice as large as the injury being repaired.

- Designed for chemical vulcanization
- Black vulcanizing gum, white poly backing

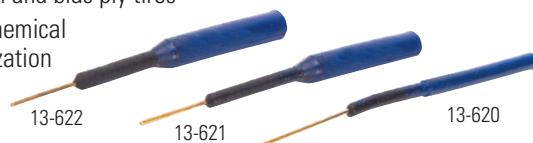


FEATHER-EDGE TUBE REPAIR UNITS					
Part Number	Description	Size (inches)	Size (mm)	Box Qty	Case Qty
11-001	Small Round	1 3/4	41	40	24
11-002	Medium Round	2 1/4	57	30	24
11-003	Large Round	3 1/4	82	20	12

VULCANIZING STEMS

Vulcanizing stems fulfill the industry recommended repair requirements of "filling the injury" when used as part of a two-piece repair system. The lead-wire conveniently guides the stem through installation and seals the injury.

- Dipped or wrapped with vulcanizing gum
- For use in radial and bias ply tires
- Designed for chemical or heat vulcanization

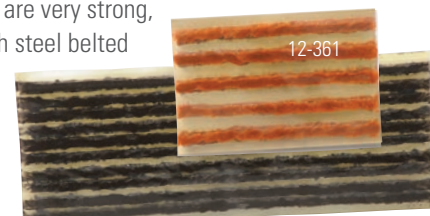


LEAD-WIRE COMBINATION UNITS – DIPPED STEM					
Part Number	Description	Injury Size	Box Qty	Case Qty	
13-621	3/16" (4.5mm)	20	10	14-345	
13-620	1/4" (6mm)	20	10	14-346	
13-622	5/16" (8mm)	20	10	14-347	

UNIVERSAL STRING-TYPE INSERTS

Universal string-type inserts are an excellent emergency repair. Made of a butyl rubber, these inserts are very strong, allowing easy insertion through steel belted radials. Perfect for repairing lawn tractor, golf cart, ATV, and other off-road tires.

- Temporary repairs sealing by compression only
- For use in radial and bias ply tires



STRING-TYPE INSERTS					
Part Number	Description	Size (inches)	Size (mm)	Box Qty	Case Qty
12-361	Fat, Brown String	4	102	50	24
12-362	Fat, Brown String	8	204	25	24
12-370	Thin, Black String	7 1/4	184	50	24
12-391	Fat, Black String	4	102	50	24

TIRE & WHEEL SERVICE

TIRE REPAIR TOOLS

SPLIT-EYE NEEDLE

Part Number	Description
14-216	Pistol-Grip Split-Eye Needle
14-218	Die-Cast T-Handle Spiral Cement Probe
14-314	1/4" x 1 1/2" Wood Handle Stitcher

VALVE CORE REMOVER TOOLS

17-175	Screwdriver Handle Core Tool
17-604	4-Way Valve Tool
17-606	Valve Installation Tool, Screw-On Type

PREMIUM DUAL-FOOT AIR CHUCKS

17-6568BC	Premium Straight-On Tilt Lock Chuck – Closed
17-1045BC	Premium Straight-On, 2-Sided Nylon Bar – 10-150 psi
17-504	Euro Style Chuck with Hose Barb – Open



PREMIUM UNIVERSAL WHEEL WEIGHT TOOL

The only tool that can remove ALL wheel weights, including stubborn "clip only" style weights, fast and easy without pinching fingers.



14-900

COUNTERACT BALANCING BEADS

Counteract balances for the complete life of the tire by readjusting the balanced position as required.



UNIVERSAL SENSORS

Combines 314.9 MHz & 433.92 MHz All In ONE Sensor



7 UNIT SAE & METRIC X-TRA THIN WALL DEEP-IMPACT SOCKETS

17 Extra-Thin WALL Deep-Impact Sockets with Poly Rim Protectors

PASSENGER & TRUCK VALVES

TUBELESS SNAP-IN VALVES

Part Number	TR Number	Material	(A) Height	Valve Hole	Box Qty*
17-413-50	413	EPDM Rubber	1.25"	.453"	50
17-414-50	414	EPDM Rubber	1.50"	.453"	50
17-418-50	418	EPDM Rubber	2.00"	.453"	50

HIGH PRESSURE SNAP-IN VALVES

Part Number	TR Number	Material	(A) Height	Valve Hole	Bag Qty*
17-600HP-50	600HP	Brass/Rubber	1.27"	.453"	50
17-602HP-50	602HP	Brass/Rubber	2.00"	.453"	50



BRASS VALVES

Part Number	TR Number	Material	(A) Height	(B) Length	Angle	Valve Hole	Bag Qty*
17-501T	501	Brass	1.50"	—	—	.625"	50
17-572T	572	Brass	3.75"	—	—	.625"	50
17-573T	573	Brass	4.38"	—	—	.625"	50

TIRE REPAIR CHEMICALS

TIRE REPAIR CHEMICALS

Part Number	Description	Size	Case Qty
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VULCANIZING CEMENT

For chemical or heat vulcanization

14-008	Vulcanizing Cement	8 oz. (236ml)	Flammable 24
14-032	Vulcanizing Cement	32 oz. (945ml)	Flammable 12

RUBBER PREP/BUFFER

For removing dirt, debris and mold lubricants from the repair area prior to buffing

14-100	Rubber Prep	32 oz. (945ml)	Flammable 12
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BEAD SEALER

For sealing small air leaks between the tire bead and the wheel

14-101	Bead Sealer (Standard)	32 oz. (945ml)	Flammable 12
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INNER LINER SEALER

For sealing small air leaks between the tire bead and the wheel

14-128A	Inner liner Sealer	16 oz. (472ml)	Flammable 12
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TIRE MOUNTING/DEMOUNTING

TIREPASTE™

A wax paste lubricant that works great with low profile, run flat, and alloy wheel applications.

- No mixing
- Very Slippery
- Dries Tacky

TIREPASTE

Part Number	Description	Case Qty
14-699	6 1/2 lb. (3kg) XtraSeal TIREPASTE, White, Low-Profile Bucket	4
14-700	6 1/2 lb. (3kg) XtraSeal TIREPASTE, White	4
14-701	11 lb. (5kg) XtraSeal TIREPASTE, White	4
14-705	6 1/2 lb. (3kg) TIREPASTE, Blue	4
14-706	11 lb. (5kg) XtraSeal TIREPASTE, Blue	4



MOUNTING/DEMOUNTING COMPOUND

A vegetable base compound with rust inhibitors which greatly reduces the chance of bead damage.



14-725E

MOUNTING/DEMOUNTING COMPOUND

Part Number	Description	Case Qty
14-708E	8 lb. (3.64kg) XtraSeal	1
14-725E	25 lb. (11.36kg) XtraSeal	1

- Great for packing beads
- Biodegradable
- Can be mixed with water 1.5 lbs per gallon

LIQUID MOUNT/DEMOUNT LUBRICANTS

Ready to use and lube packet concentrate.

- Dries quickly
- Prevents slippage on the bead
- Rust inhibitor



14-751

14-753PM

MOUNTING/DEMOUNTING LUBRICANT

Part Number	Description	Case Qty
14-751	13 oz. (386ml) Mix with 1 Gallon Water	10
14-753PM	1 Gallon (3.8L) Ready to Use	4