

Repair Gums & Hot Vulcanizing Patches

Build-Up Materials: Items included are specialized rubber products such as cushion gums, floater gums, and strip stocks. These products are used by tire shops and retreaders to repair major injuries in large tires. Products require special cements, tools and an electric spotter to cure the repair.

All-Purpose Repair Gum: Compounded from low temperature cure stock. Camel Cam-Cure® black vulcanizing cement (flammable and non-flammable) is specifically formulated for use with the following products.



10-036

Camel No. Size Description

Repair Gums & Build-Up Materials

10-036 Quick-Cure Tube Gum. Features the finest uncured natural black rubber tube gum available. Designed for inner tubes and general tire repair. Use with an electric vulcanizer. 1 pound roll in box.

10-037 Quick-Cure Tube Gum. Same as above but with poly-backing.

10-120	1/8" x 18"	Floater Gum
10-121	1/8" x 1"	All-Purpose Gum
10-122	1/16" x 10"	Cushion Gum
10-123	1/16" x 1"	Stripping Stock
10-125	1/4" x 4"	All-Purpose Gum

Bulk Tube Gum, Repair Gum: Camel offers a wide variety of natural rubber, cord fabric, facing gums, and quick cure gums for heavy-duty users. For more information contact our Customer Service Department.



10-120



10-123



10-001

Hot Vulcanizing Patches

"Hot Patches" are one of the oldest and most reliable methods of repairing tubes and tires. These patches have 2-ply of rubber with "Easy Light" fuel board. Each patch is packed in a moisture resistant package.

10-001 Small Hand Clamp. Ideal for home repairs of inner tubes and other soft rubber items.

NOTICE: All tube gums and repair gums should be kept in a cool room or refrigerated for maximum useful product life.

Camel Cold Patches are easy to use, inexpensive and a permanent method to repair inner tubes.

To install a cold patch, clean the area to be repaired with liquid buffer (if available). Thoroughly buff area around injury with a buffer. Apply cement to buffed area. Remove protective covering on patch, taking care not to touch sticky surface of patch. When cement has dried, apply patch center over injury and "stitch" it down working from the center. If a stitcher tool is not available, a washer or large coin will work. Press firmly to remove any trapped air. Sprinkle tire talc on the area before placing tube in tire so that it does not stick to the tire.

Cold patches are not for use in tubeless tires.

Camel No. Description

Cold Patches

11-004 Bicycle Tube Foil-Back Repair Kit. Handy kit easily fits in pocket. Contains foil backed patches, .25 oz. cement, abrasive paper and directions. Moisture resistant plastic case.

11-040 Cold Patch Repair Kit. Includes 6 square inches of rubber, 3 (1"x1") patches, .30 fl. oz. Universal Cement, and a thumb buffer.

11-041 Vinyl, Plastic and Rubber Repair Kit. Excellent for boots, air mattresses and general repairs. Includes 6 square inches of rubber, 3 (1"x1") patches, .30 fl. oz. tube of vinyl cement and one thumb buffer.

11-049 Sleeve of Rubber Repair Kits. Our most popular kit for home repairs. Sleeve of 12 display boxes. Each kit contains 10 square inches of rubber (for repairing tears), 3 (1" x 1") patches, .30 fl. oz. cement and one thumb buffer.

11-051 Sleeve of 12 Rubber Repair Kits. Similar to 11-049 but contains more repair material. Each kit contains: 12 square inches of rubber, 4 (1" x 1") bevel patches, .30 fl. oz. tube of Universal Cement and a thumb buffer.

11-052 Bike and Shop Kit. Features buffer top. Contains 6 (1"x1") bevel patches, 3 (1-1/2" x 2-1/8") patches, 12-1/2 square inches of rubber and .30 fl. oz. tube of Universal Cement.

11-055 Sleeve of 12 Bike Tube Repair Kits. Kit is easily carried with rider. Contains 8 "penny patches," .30 fl. oz. tube of Universal Cement and a thumb buffer. Display packed.

11-061 Rubber Repair Kit. Contains 30 square inches of rubber, 8 (1"x1") patches, .57 fl. oz. tube of Universal Cement and complete directions.

11-004



11-040



11-041



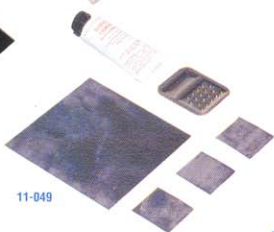
11-052



11-061



11-049



Camel offers a wide variety of cold patch and rubber repair kits. For more information contact our *Customer Service Department*.

On-the-Wheel Tire Repair Kits



Camel No. Description

Repair Kits

15-161 Refill Kit for 15-162. 10 strings.

15-162 Super-Grip Emergency Tire Repair Kit. Contains our most popular Super-Grip probe, open-eye tool, .30 fl. oz. Universal Cement and 5 radial inserts. For all bias ply and non-speed rated radial tires.

15-163 Emergency Repair Kit. Very popular. Contains 15-172 (open eye needle) and 15-174 (Probe) screwdriver type tools. For all bias ply and non-speed rated radial tires.

15-164 Refill Kit. Use for 15-163. Contains 5 refill strips and .30 fl. oz. Universal Cement.

15-165 Emergency Repair Radial Tire Kit. This handy kit easily fits in the glove box of any car. Contains 10 repair strings and a closed-eye needle. Not for speed rated radial tires.

15-167 String Repair Kit Contains 30 each 15-164 4" radial inserts.

15-168 Tubeless Tire Repair Kit. Contains 6 assorted straight plugs, .30 fl. oz. Universal Cement and an open-eye needle. Not for use on radial tires.

15-169 Perma-Strip Patch. Emergency repair kit for bias ply and non-steel belted radial tires. Six strips, cement, and an open eye needle included.

15-170 Perma-Strip Patch Refill Kit. Contains 12 strips, .30 fl. oz. Universal Cement. Refill for the 15-169.

Inserts & String Repairs

15-179 Perma Strip Patch 1/4" x 2". For bias ply and non-steel belted radial tire repairs. Box of 50.

15-184 4" Radial Inserts. For most auto and light truck radial tire emergency repairs. Box of 20.

15-206 7" String Repairs. For bias ply and tubeless tire emergency repairs. Box of 50.

15-207 7-1/2" Heavy-Duty String Type Repairs. For bias ply and radial tire nail hole emergency repairs. Box of 50

15-280 4" Steel Belted Radial Inserts. These inserts are our best selling for radial tire emergency repair. Box of 60.

15-281 7" Steel Belted Radial Truck Insert. Heavy duty inserts are excellent for emergency repairs of nail holes in truck tires. Contains one sealed bag of 30 inserts.



WARNING: Keep tire repair kits away from children. Always use eye protection when working on tires. Do not attempt on-the-wheel repairs on tires inflated with a gas propelled tire sealant. Follow sealant manufacturer's directions for deflating tire and removing the tire from the rim. Have tire promptly repaired by the installation of a permanent patch. It is recommended that a trained repair person inspect the inside of the tire carefully for injury to ensure that the puncturing object did not cause further damage.

Tire Repair Kits

Camel No. Description

Nonflammable Boot Cement

- 12-070 **Liquid Buffer/Universal Cement.** 2 fl. oz. tubes.
 12-075 **Boot Cement.** 1/2 pint can. For use on boots and tire patches used with inner tubes.
 12-077 **Universal Cement.** 2 fl. oz. tube.
 12-082 **Universal Cement.** 1 gallon can. For shops that use refillable cement cans.
 12-085 **Universal Cement.** 1/4 pint (4 fl. oz.) can.
 12-086 **Universal Cement.** 1/2 pint (8 fl. oz.) can.
 12-089 **Universal Cement.** 1 quart. Can fits 14-149 dealer cabinet.

Cam-Cure® Heavy-Duty Nonflammable Cement. For use on heavy-duty applications. Must be Cam-Cure® Repair Units to insure a permanent bond.

- 12-087 **1/2 Pint.**
 12-088 **1 Quart Can.** Convenient size for busy tire shops.
 12-100 **Cement Dispenser.** All aluminum construction with twist-on cap and large cement brush.

Cam-Cure® Black Nonflammable Vulcanizing Cement. Black cement is the preferred cement for use in build-ups and installation of repair units when heat is used.

- 12-101 1 Quart black brush type cement.

Cam-Cure® Flammable Cement. For professional use.

- 12-287 1/2 Pint chemical Vulcanizing, flammable.
 12-288 1 Quart Chemical Vulcanizing, flammable.

Cam-Cure® Flammable Black Cement. Recommended for professional use only. Used to reduce drying time of cement. For use with all Cam-Cure repair units and build-up materials. Use with heat vulcanization.

- 12-290 1 Quart black, brush type flammable.



12-100

12-088

12-088

12-087

CAUTION: Use in well ventilated area. Avoid prolonged breathing or inhalation of vapors. Chlorinated solvent is an eye and skin irritant. If splashed in eyes, flush with water for 15 minutes. If ingested, do not induce vomiting. Call physician or Poison Control Center immediately.



12-090



12-092



12-093



12-095



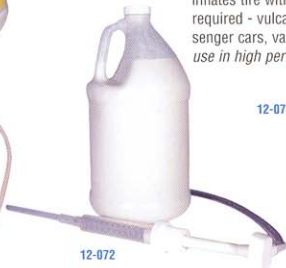
12-097



17-250



12-074



12-072



12-078



12-079



12-094

Camel No. Description

Chemicals

12-090 Bead Sealer. Quart can with brush in cap. Prevents bead leaks and eases tire installation.

12-092 Nonflammable Liquid Buffer/Cleaner. Quart can with "squirt top." Used to clean rubber so patches will adhere properly. Use prior to all power buffing.

12-093 Nonflammable Spray Liquid Buffer. 16 oz. aerosol can.

12-095 "Stuf" Concentrated Tire Mounting Lubricant with Rust Inhibitor. Eight lb. pail makes five gallons when mixed with warm water. Stops rubber squeaks, easy to use and safe.

12-096 Rubber Lubricant and Preservative. Large 40 pound pail. Same product as 12-095.

12-097 Rubber Lubricant. Cleans and preserves tires, rubber parts, floor mats and vinyl tops. One gallon bottle.

17-250 Tire Talc. One pound shaker can. Prevents tube from sticking to tire during installation.

17-252 Tire Talc. Five pound bag for large tire shops.

Sealants

Camel Seal Tire Sealant: The solution to bead leaks, small tire punctures and slow leaks. Will not dry out, separate, damage the wheel, or freeze to -32°F. Seal small leaks up to 1/8" in diameter. Great for farm and industrial tractors, construction equipment and off-road tires.

12-072 Tire Sealant. One gallon bottle with pump.

12-074 Precision Metering Hand Pump. Pump exactly the amount needed. Plastic see-through column is graduated. Pump is used with Camel 12-081 five gallon pail.

12-078 Tire Sealant. Convenient 8 fl. oz. squeeze bottle. Perfect size for small trailers, wheelbarrows and other small tire vehicles.

12-079 Tire Sealant. The 16 fl. oz. squeeze bottle is just the right amount for lawn tractors, golf carts, trailers and ATVs.

12-081 Tire Sealant. Five gallon pail. Use with 12-074 hand pump for tractor and other large tires.

12-094 Camel Jack Inflator & Sealer. "The spare tire in a can!" The most advanced emergency tire repair system available today. Seals and inflates tire with up to 16" rims quickly and safely. No jacks or tools required - vulcanizes on contact to provide durable seal. Use on passenger cars, vans, light trucks, trailers, lawn tractors and ATVs. *Do not use in high performance, "Z-rated" or motorcycle tires.*

CAUTION: Use in well ventilated area. Avoid prolonged breathing or inhalation of vapors. Chlorinated solvent is an eye and skin irritant. If splashed in eyes, flush with water for 15 minutes. If ingested, do not induce vomiting. Call physician or Poison Control Center immediately.

Tire & Tube Patches

Camel No. Qty. Type Size

Foil-Back Repair Units

Used for repairing tubes and tires where fabric reinforcement is not required. Repair units feature a foil backing that keeps the repair fresh. Conveniently packed. For best results use with Camel-Cure® Cement.

14-400	100	Round	1-1/4"
14-401	30	Round	1-1/2"
14-402	30	Round	1-3/4"
14-403	30	Round	2-1/8"
14-404	30	Round	3-1/8"
14-407	30	Oval	3" x 1/2"
14-408	30	Oval	4" x 1-7/8"
14-409	10	Oval	6" x 2-7/8"
14-134	Foil Back Repair Kit. Contains (4) 1-1/4" Repair units. (1) .30 Fl. oz. cement. (1) Thumb buffer.		



14-400



14-403

Chembond® Tube and Bias Ply Patches

These world famous patches are available in two shapes and six sizes. Pure rubber flows into the injury. May be applied with Universal Cement or an electric vulcanizer.

14-129	Tube & Tubeless Tire Repair Kit. Contains 2 medium-round patches, thumb buffer and 1 .30 fl. oz. universal cement.		
14-130	Tube Tire Repair Kit. For tire and tube repairs. Contains patches, .30 fl. oz. cement and buffer.		
14-152	40	Sm. Round	1-5/8"
14-153	30	Med. Round	2-1/4"
14-154	20	Lg. Round	3-1/8"
14-157	30	Sm. Oval	1-1/2" x 2-1/2"
14-158	20	Med. Oval	1-7/8" x 3-7/8"
14-159	20	Lg. Oval	2-5/8" x 5-3/4"



14-407



14-134



14-130

Radial Patches



14-127	Radial Sidewall Repair. Contains 1 large patch, thumb buffer and 1 .30 fl. oz. universal cement.		
14-128	Radial Tire Repair Kit. Contains 2 small patches, 1 large patch, 1 thumb buffer and 1 .30 fl. oz. universal cement.		
14-132	Tire Repair Kit for D-I-Y radial repairs. Contains patches, .30 fl. oz. cement and buffer.		
14-137	30	Sm. Round	2-1/4"
14-139	20	Med. Round	3-1/4"
14-140	10	Lg. Round	4-1/8"

RADIAL PATCHES: Used for nail hole injuries in auto and light truck tires. Heavier construction than Chembond patches. Utilize buffer cleaner and Universal Cement for a strong repair.



14-153



14-158



14-139



14-132

See price sheet for packaging options.



Heavy-Duty Tire Repair



13-106



13-451



13-251



13-310



15-298

Plug-N-Patch for Radial and Bias Ply Tires

15-290 Small Reinforced Plug-N-Patch.

For up to 1/8" crown puncture. Box of 15.

15-291 Medium Reinforced Plug-N-Patch.

For up to 1/4" crown puncture. Box of 10.

15-295 Small Round Molded Rubber Plug-N-Patch.

For auto and truck nail hole injuries. Designed with molded in straight pin. 1/8" stem size. Box of 50.

15-296 Medium Round Molded Rubber Plug-N-Patch.

For auto and truck nail hole injuries. Designed with molded in straight pin. 1/4" stem size. Box of 20.

15-297 Large Round Molded Rubber Plug-N-Patch.

For truck injuries caused by nails and screws. Designed with molded in straight pin. 3/8" stem size. Box of 20.

15-298 Plug-N-Patch Repair Kit. Contains (1) 15-295, (1) 15-296, (1) .30 fl. oz. cement.

NOTE: The Plug-N-Patch will repair tires with nail hole injuries in the crown or side wall including speed rated radial tires (for specifics see your Tire Owners Manual). Repair unit is cemented on inside of tire and pushed through injury hole (which should be drilled out with a tapered drill). The metal quill or pin is pulled with pliers until repair unit seats. Stitch Plug-N-Patch down from the inside and cut off excess plug rubber so it is flush with tread or sidewall.

See price sheet for packaging options.

Camel No.	Qty.	Type	Size	Plies
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Reinforced Unitized Boots

Right angle cord construction uses high tensile cords for strength. **Not dry out or self-cure.** May be used with cement or a spotter.

Not for use on tubeless tires.

13-102	20	Nail hole	3-1/4"	2
13-103	10	Small	4-1/2"	2
13-105	10	Medium	6"	2
13-106	10	Med. Lg.	7-3/8"	3
13-107	10	Large	8-3/4"	4
13-108	6	Truck	10-3/4"	5
13-110	6	Truck	12-1/2"	6
13-114	6	Truck	15"	6

Boots Packed in Hang-Up Printed Poly Bags

13-125	2/Bag	Nail hole	3-3/16" x 3-3/16"
13-126	1/Bag	Small	4-1/2" x 4-1/2"
13-127	1/Bag	Medium	6" x 6"
13-128	1/Bag	Med. Lg.	7-3/8" x 7-3/8"

Cam-Cure® Universal and Bias Ply Repair Units. Each repair features our exclusive centerline construction to insure that the repair unit is centered over injury. All repair units have been tested by an independent laboratory for all applicable DOT tests. They meet or exceed these requirements and outlast many competitive products, both foreign and domestic.



Camel No.	Qty.	Size	Ply
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Universal Repair Units

Feature square woven fabric construction and may be used for **radial and bias-ply** tire repairs when used with Cam-Cure® cement.

13-230 Cam Cure Repair Kit. Contains (2) 13-452 patch, (1) .30 fl. oz. cement.

13-451	30	2-1/2"	1
13-452	20	3-1/4"	1

Bias Ply Repair Units

For bias ply tires only. Bead arrow is clearly marked. Has four centering lines.

13-251	30	2-1/2"	1
13-252	20	3-1/4"	1
13-253	10	4"	2
13-254	10	5"	2
13-255	10	6-1/2"	4
13-256	10	9-1/4"	6
13-257	5	11-3/4"	6
13-258	5	13-1/2"	6
13-259	5	15-1/2"	8

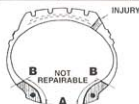
Radial Repair Units	For Radial Tires Only.
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13-310	20	2-1/4" x 3"	1
13-312	20	2-3/4" x 4-1/2"	2
13-320	10	3" x 4-1/8"	2
13-322	10	3" x 6-3/4"	2
13-324	10	3" x 8-1/2"	2
13-340	5	4" x 7-1/2"	3
13-342	5	5" x 10-1/4"	4
13-344	5	5" x 13"	4



Bias Ply Selection Chart

Max. Injury Width		Bias Ply Rating of Tire						Farm Implement	Reinforced repair with less than 50% of plies damaged.			
Inch	mm	4	6-8	10-12	14-16	18-20	22-24	6-18	8-12	14-18	20-24	
1/4"	6	13-251	13-252	13-252	13-252	13-252	13-252	13-252	13-252	13-252	13-252	
3/8"	10	13-252	13-253	13-253	13-254	13-255	13-256	13-253	13-252	13-253	13-254	
1/2"	15	13-253	13-253	13-254	13-254	13-255	13-256	13-254	13-252	13-253	13-254	
1"	25	13-253	13-254	13-255	13-256	13-256	13-257	13-254	13-253	13-254	13-255	
1-1/2"	35	13-254	13-254	13-255	13-256	13-257	13-258	13-255	13-253	13-254	13-255	
2"	50	13-255	13-255	13-256	13-256	13-258	13-259	13-256	13-253	13-255	13-256	
3"	75			13-257	13-257	13-259	13-259	13-257	13-256	13-256	13-257	
4"	100			13-258	13-258			13-258	13-257	13-257	13-258	
5"	125							13-259		13-258	13-258	

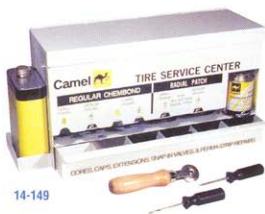


A-B NON-REPAIRABLE AREA	
Passenger and truck tires	1 1/2", 38mm
6.00 - 7.00	2 1/2", 63mm
7.50 - 16.00	3", 75mm
17.5 - 23.5	3 1/2", 90mm
24.00 - 29.5	5", 125mm
30.00 - 33.5	6", 150mm
36.00 - 50.5	7 1/2", 190mm

Radial Selection Chart

	Camel No.	Sidewall Max. Injury Size (Inches, mm)		Tread & Shoulder Max. Injury Size (Inches, mm)		Tire Width/Type	
		W	L	W	L		
Passenger Car	13-310	1/4"(5mm)	1/2"(15mm)	1/4"(5mm)	1/4"(5mm)	All Sizes	
	13-312	1/2"(15mm) 3/4"(20mm)	1 1/2"(40mm) 1 1/4"(30mm)	1/2"(15mm)	1/2"(15mm)	125-230 P155-235	
Light Truck	13-324	1 Cord x 3 1/8"(80mm) 2 Cords x 2 3/8"(60mm)				All Sizes	
	13-310	up to 1/8" (3mm)		up to 1/8" (3mm)		All Sizes	
	13-312	1/4"(5mm)	1/4"(5mm)	1/4"(5mm)	1/4"(5mm)	All Sizes	
	13-320	1/2"(15mm) 3/4"(20mm)	1 1/2"(40mm) 1 1/4"(30mm)	1/2"(15mm)	1/2"(15mm)	6.00 - 7.50 7 R - 8.5 R 175R - 215R (6 - 8 PR)	
	13-322	1/2"(15mm) 3/4"(20mm)	2 3/8"(60mm) 2"(50mm)	3/4"(20mm)	3/4"(20mm)		
	13-340	3/8"(10mm) 1"(25mm)	3/8"(10mm) 2 3/8"(60mm)	1"(25mm)	1"(25mm)		
Medium and Heavy-Duty Trucks	13-310	up to 1/8" (3mm)		up to 1/8" (3mm)		8.25 - 14.00 9.00 - 15.5	
	13-312	up to 1/4" (5mm)		up to 1/4" (5mm)		8.25 - 14.00 9.00 - 15.5	
	13-320	2 Cords x 3/4"(20mm) 1 Cord x 1 1/2"(40mm)		3/8"(10mm) 3/8"(10mm)		6.50 - 14.00 7.00 - 15.5	
	13-322	2 Cords x 1 1/2"(40mm) 1 Cord x 3 1/8" (80mm)				6.50 - 10.00 11.00 - 14.00 7.00 - 15.5	
	13-324	2 Cords x 2 3/8"(60mm) 1 Cord x 4 3/8" (120mm)				6.50 - 10.00 11.00 - 14.00 7.00 - 15.5	
	13-340	3/8"(10mm) 1/2"(15mm) 3/4"(20mm)	3 1/8"(80mm) 2 3/4"(70mm) 2 3/8"(60mm)	3/4"(20mm)	3/4"(20mm)	8.25 - 10.00 9.00 - 11.00	
	13-340	3/8"(10mm) 1/2"(15mm) 3/4"(20mm)	2 3/8"(60mm) 1 1/2"(40mm) 1"(25mm)	1/2"(15mm)	1/2"(15mm)	11.00 - 14.00 12.00 - 15.5	
	13-342	3/8"(10mm) 3/4"(20mm) 1 1/4"(30mm)	5 1/8"(130mm) 4 3/8"(112mm) 3 1/8"(80mm)	1"(25mm)	1"(25mm)	8.25-10.00 9.00 - 11.00	
	13-342	1/2"(15mm) 3/4"(20mm) 1"(25mm)	3 3/4"(95mm) 2 3/4"(70mm) 2 1/4"(60mm)	1"(25mm)	1"(25mm)	11.00 - 14.00 12.00 - 15.5	
	13-344	3/4"(20mm) 1 1/4"(30mm) 1 1/2"(40mm)	5 1/8"(130mm) 4"(100mm) 3 1/8"(80mm)	1 1/2"(40mm)	1 1/2"(40mm)	8.25 - 14.00 9.00 - 15.5	
	Tractor	13-310	up to 1/4" (5mm)		up to 1/4" (5mm)		All Sizes
		13-312	3/8"(10mm)	3/8"(10mm)	3/8"(10mm)	3/8"(10mm)	All Sizes
		13-320	1 1/4"(30mm)	3/4"(20mm)	3/4"(20mm)	3/4"(20mm)	All Sizes

Tire Service Center & Repair Kits



14-149



13-240



15-189



15-262

15-262 Emergency Off-Road Tire Repair Kit

Comes in handy tool pouch. 15-262 Contents:

- 15-280 String Repairs, 10 each.
- 15-225 Super Grip Rasp, 1 each.
- 15-227 Super Grip Split-eye needle, 1 each.
- 12-965 .59 fl. oz. cement.

Camel No. Description

14-149 Tire Service Center



Compact cabinet is excellent for service stations and garages. Place it near tire machine for easy access. Measures 21" x 10" x 6" yet contains enough material to complete over 200 tire and/or tube repairs. Can be hung on the wall or placed on work bench. 14-149 Contents:

- 12-086 Universal Cement, 1/2 pint.
- 12-092 Liquid Buffer, 1 quart.
- 14-137 Small Round Radial Patches, 30 each.
- 14-139 Medium Round Radial Patches, 20 each.
- 14-152 Small Round Chembond® Patches, 40 each.
- 14-153 Medium Round Chembond® Patches, 30 each.
- 14-154 Large Round Chembond® Patches, 20 each.
- 15-225 Super Grip probe.
- 15-227 Split eye needle.
- 15-280 4" Heavy-Duty Radial Repairs, 60 each.
- 17-244 Heavy-Duty Stitcher, 1 each.
- 30-413 TR-413 Tubeless Valves, 10 each.
- 30-415 TR-415 Tubeless Valves, 10 each.
- 30-418 TR-418 Tubeless Valves, 10 each.
- 30-425 TR-425 Tubeless Valves, 10 each.
- 38-324 3/4" Plastic Valve Extensions, 10 each.
- 38-325 1-1/4" Plastic Valve Extensions, 10 each.
- 38-601 Metal Valve Caps, 10 each.
- 38-791 Valve Cores, 10 each.

13-240 Cam-Cure® Professional Tire Repair Center

The perfect choice for busy tire repair shops or heavy-duty equipment shops. Comes complete with enough material for more than 390 repairs. Versatile cabinet measures 24" H, 13-3/4" W and 12-3/4" D. Constructed of heavy gauge steel with 3 movable shelves, chrome handle and snap lock. 13-240 Contents:

- 12-087 Cam-Cure® Cement, 1/2 pint cans.
- 12-093 Liquid Buffer, 16 fl. oz. squirt top can.
- 13-251 Cam-Cure® Bias Ply Repair Units, 30 each.
- 13-252 Cam-Cure® Bias Ply Repair Units, 20 each.
- 13-253 Cam-Cure® Bias Ply Repair Units, 10 each.
- 13-310 Cam-Cure® Radial Repair Units, 20 each.
- 13-312 Cam-Cure® Radial Repair Units, 10 each.
- 13-320 Cam-Cure® Radial Repair Units, 10 each.
- 14-401 Foil Back Patch, 1-1/2" Round, 30 each.
- 14-403 Foil Back Patch, 2-1/8" Round, 30 each.
- 14-404 Foil Back Patch, 3-1/8" Round, 30 each.
- 15-280 Inserts for Steel Belted Radials, 60 each.
- 17-244 Heavy Duty Stitcher, 1 each.
- 17-250 Tire Talc, 1 lb. shaker can.
- 17-270 Inner-Liner Scraper, 1 each.

13-241 Cam-Cure® Cabinet. Contains no product.

15-189 Dealer Kit. Contains our most popular T-handle tools, 1/4 pint of universal cement and two boxes of 15-184 radial repairs. Box keeps tools organized, with reclosable lid.

CAUTION: Puncture repairs made "on-the-wheel" are classified as an emergency repair. If an emergency repair is made, the tire must not be run more than 100 miles at speeds no greater than 50 MPH until tire is removed from the rim, inspected carefully, and a permanent repair is made.

Camel No. Description

Repair Kits



11-002 Farm Tire Repair Kit in Water Proof Box. Handy kit for farm tires or industrial tractor repairs. Includes all the tools and repair materials to repair dozens of tires. All packed in a compartmentalized water tight box.

15-178 Perma-Strip Patch Kit. This kit is an excellent kit for off-road tires such as ATVs and farm tires. Contains 50 repair strips, 12-086 universal cement, one 15-210 open-eye needle and one 15-212 probe.

15-240 Nail Hole Repair Kit. This unique kit contains everything needed for permanent repairs in truck tires. Use air pressure to easily force plug into injury hole, then apply repair unit. Complete with tool, directions and case. 20 repair units.

Contents:

12-087 Cam-Cure® Heavy Duty Cement

15-241 Pneumatic Insert Tool

15-242 1/4" Nozzle

15-243 3/8" Nozzle

15-246 1/4" Inserts

15-247 3/8" Inserts

Replacement items for 15-240 Kit:

15-241 Pneumatic Insert Gun.

15-242 1/4" Replacement Nozzle.

15-243 3/8" Replacement Nozzle.

15-246 1/4" Straight Insert. 30 per box.

15-247 3/8" Straight Insert. 30 per box.

15-282 Heavy-Duty Truck Tire Emergency Repair Kit. Contains everything needed for emergency repairs on the largest truck tires. Contains heavy-duty all steel split-eye T-handle tools with Sheffield steel shaft. 8" spiral cement tool, 2 oz. tube of Universal Cement and 15 heavy-duty inserts. All packed in a heavy reclosable vinyl pouch.



11-002



15-178



15-240



15-282

Camel offers a wide variety of bulk string products and hand tools. Contact our Customer Service Department for details.

CAUTION: Puncture repairs made "on the wheel" are classified as an emergency repair. If an emergency repair is made, the tire must not be run more than 100 miles at speeds no greater than 50 MPH until tire is removed from rim, inspected carefully, and a permanent repair is made.

Tire Repair Hand Tools



Camel No. Description

D-I-Y Tire Repair Tools

- 15-172 Open-Eye Repair Needle.
- 15-174 Probe for Tire Repair.

Best Quality Professional Tools

- 15-224 Super-Grip Open-Eye Needle.
- 15-225 Super-Grip Tire Probe.
- 15-227 Super-Grip Split-Eye Needle.
- 15-230 Replacement Shaft for 15-231.
- 15-231 Heavy-Duty Truck Needle.
- 15-232 Spiral-Grip Cement Needle.
- 15-249 Open Eye 8" Truck Tire Needle.

Tire Probe Awls. Used to inspect injuries in tire and remove small stones and debris.

- 17-274 Ryan Awl. 3-1/2" shaft.

Professional Heavy-Duty Tire Reamers

Corrugated style with screw tip.

- 17-276 3/16" diameter - 7" blade.
- 17-277 1/4" diameter - 8-3/4" blade.
- 17-278 5/16" diameter - 13" blade.
- 17-237 **Combination Buffer/Stitcher.** Blister pack.

Professional Stitchers

Ball bearing stitcher with hardened steel wheel and varnished wooden handle. Made in the USA.

- 17-244 1/16" face x 1-1/2" diameter.
- 17-245 1/4" face x 1-1/2" diameter.
- 17-246 1/4" face x 2" diameter.

Tire Service Tools, Knives and Tire Scraper

- 17-248 **Taper Point Knife.** Sturdy wooden handle.
- 17-249 **Curved Point Knife.** Sturdy wooden handle.
- 17-270 **Inner-liner Scraper.** This tool is a must for professional tire repairs. Eliminates power buffing on many tire repairs. Scraper removes material that might contaminate buffing wheels, ensuring a better repair every time.

Tire Marking Crayons

- 17-235 **Tire Lettering Stick.** Restores the white on hollow and raised letters on tires. Blister packed.
- 17-236 **Yellow Tire Marking Crayon.** Blister packed.
- 17-253 **Tire Crayons.** Shop pack of 12 boxes with 12 yellow crayons per box (144 crayons).
- 17-295 **Cotton Applicator Swab.**

WARNING: Always use eye protection when working with tires. These tools are designed for tire repairs only. If tire is speed rated, consult tire manufacturer's owner's manual regarding authorized repair to tire and whether speed rating would still apply. We recommend breaking the tire down and using a patch to repair injuries in conjunction with a plug. Do not attempt an on-the-wheel repair on tires inflated with a gas propelled sealant. Follow sealant manufacturer's directions for deflating and removing the tire from the rim. Have tire promptly repaired by installation of a permanent patch. Failure to follow these safety instructions exactly may result in personal injury and/or property damage.

Tire Repair Power Tools & Accessories

Camel No. Description

Professional Air Buffers

- 18-263 Vane Repair Kit.** For Supreme Buffer.
- 18-264 Supreme High Speed Air Buffer.** Light-duty buffer for automotive tires and tubes. 0-10,000 RPM.
- 18-265 Professional Low Speed Air Buffer.** Patented rear-directed air exhaust rotary tool. Designed especially for buffing and skiving tires. Powerful motor prevents stalling under heavy loads. 0-2,500 RPM.
- 18-266 High Speed Air Buffer.** Heavy-duty buffer for truck and tractor tire repairs. 0-16,000 RPM.



18-264

Camel No. Diameter Width Arbor Grit

Finishing Rasps

Slotted Finishing Rasps. Air cooled, solid steel for flexible shaft buffer, air and electric tools. Lasts ten times longer than conventional stones. 3/8" x 26 SAE arbor.

18-101	2"	1/2"	3/8"	36
18-102	2"	1/2"	3/8"	16
18-103	2"	3/4"	3/8"	36
18-104	2"	3/4"	3/8"	16



18-265

Cup Series Finishing Rasps. Tungsten carbide, air cooled. Cuts five times faster than ordinary grinding stones. 3/8" arbor. (Camel does not re-grit rasps.)

18-130	3"	1"	3/8"	16
18-132	3"	1"	3/8"	36
18-134	3"	1-1/2"	3/8"	16
18-136	3"	1-1/2"	3/8"	36
18-138	4"	1-1/2"	3/8"	16
18-139	4"	1-1/2"	3/8"	36



18-266

Camel No. Inches MM Description

Diamond-Cut Carbide Burrs. Used in cutting steel cables for side wall repairs in truck tires.

18-240	1/8"	3mm	Mini carbide burr, 1-1/4" 32mm Length.
18-241	1/4"	7mm	Pointed carbide burr, 2" 50mm Length.
18-242	1/4"	7mm	Router carbide burr, 2-1/2", 63mm Length.
18-243	3/16"	4mm	Carbide cutter, 2-7/8", 73mm L., stem cutter dia.
18-244	1/4"	7mm	Tree shaped carbide burr, 2-3/4", 38 mm Length.
18-245	1/4"	7mm	Ball shaped carbide burr, 2-3/4", 69 mm Length.
18-246	5/16"	8mm	Carbide cutter, 4", 100 mm Length.
18-257	1/4"	7mm	Pencil honing stone, 1-1/16".

Tapered Drill Bits. Recommended for use with all plug repairs and Plug-N-Patch. Measure injury hole size and select drill bit. Plug-N-Patch repair unit quill should match size of drill bit selected. Recommended for all off-the-wheel plug repairs and Plug-N-Patch.

- 15-244 1/4" Tapered Drill Bits.**
15-245 3/8" Tapered Drill Bits.



18-132

These products, as well as all tire tools should never be used by persons unless they have been trained properly according to O.S.H.A. Regulation #29CFR 1910.177 entitled "Servicing Single Piece and Multi-Piece Wheels."



Buffer Stones, Wire Brushes, Chucks



Camel No. Size Description

High Speed Buffing Stones

For steel belted tires. Use to remove loose steel wire around the tire injury.

18-254 1-1/4" diameter Mushroom Stone

Chucks and Adapters

18-140 **Quick Change Chuck.** (3/8"-26 FPT) Has Sure-Grip ball bearing retainer. Includes (1) 18-141 adapter.

18-141 **Threaded Adapter.** 1-7/8" long, with washer and nut for mounting tools on 3/8" arbor hole - 26 FPT.

18-144 **Adapter.** Includes set screw for 1/4" shank accessories. Use with 18-140 Quick Change Chuck.

18-145 **3/8" Chuck.** Precision design, includes chuck key, 3/8" - 26 thread.

18-146 **Adapter.** 1-11/16" x 3/8" - 26 FPT. Contains two washers and one nut for tools with 3/8" arbor hole. Use with 18-140 chuck.

18-147 **Extra Long Adapter.** 2-13/16" x 3/8" - 26 FPT. For mounting two buffing wheels back-to-back.

Tools and accessories on this page are designed for professional tire repair only. If you are unsure of which tool to use, please order a copy of our pamphlet **Professional Tire Repair Procedures**. Contact our Customer Service Department.

Cones, Brushes, and Wheels

18-259 **18-259 Heavy Duty Automotive Buffing Cone.** 2-1/2" diameter. Maximum speed 25,000 RPM.

18-260 **18-260 Standard Automotive Buffing Cone.** 2" diameter. Maximum speed 25,000 RPM.

18-126 **Encapsulated 2" Brush.** Poly-flex brush is designed for removal of rubber surrounding steel cables without damaging fret wires. Maximum speed 20,000 RPM.

18-127 **Textured 3" Brush.** Removes scorched rubber in finished "buzz outs" of steel radials without disrupting the steel or fret wires. Sold with 2" flat washers to keep bristles firm. Maximum speed 20,000 RPM.

18-261 **Buffing Wheel.** For all general purpose tire repair work. 3" wire brush wheel.

Camel offers a color VHS cassette and printed training manuals covering the installation of boots, Plug-N-Patch and the use of many of the tools illustrated on this page.

Contact your Camel Representative or call our Customer Service Department for details.

These products, as well as all tire tools, should never be used by persons unless they have been trained properly according to O.S.H.A. Regulation #29CFR 1910.177 entitled "Servicing Single Piece and Multi-Piece Wheels." This information is available in limited quantities. Contact our Customer Service Department for details.



Vulcanizers, Bead Expanders & Wheel Balancing Equipment

Camel No. Description

Vulcanizers

- 18-267 Electric Vulcanizer.** Excellent for farm or garages. Thermostatically controlled. Is portable, and can be used in vise. Made in USA. (115 volt)
- 18-279 Electric Vulcanizer.** Larger unit for truck and tractor tires, and most tube repairs. (115 volt). USA
- Accessories**
- 18-269 Replacement Inside Heat Unit.**
- 18-271 Inside Contour Adapter.**
- 18-272 Outside Contour Adapter.**
- 18-275 Shoulder Contour Adapter**
- 18-278 Replacement Outside Heat Unit.**
- 18-281 Heavy-Duty Electric Vulcanizer.** Has thermostat control. Safe, easy-to-use. By removing upper plate cover it may also be used for tube spud vulcanization. (115 volt).
- 18-282 Replacement Heat Unit for 18-281.**
- 18-296 Air/Electric Truck Tire Spotter.** Spotter uses compressed air and heat. 14-1/2" throat depth and 16" height for larger tractor and off road tires. 18-296 Package includes the spotter, complete set of 4" and 5" contour plates, left and right outside tractor plates, flat back-up pliable contour bag. SPECIFY VOLTAGE. Special order only.

Wheel Balancer Equipment

- 27-875 Wheel Balancer.** Time-proven design with high tensile strength aluminum alloy adapters. May be used to balance virtually any type of auto or truck wheel, from small import cars to one ton trucks. The machine is self-leveling with a built-in weight trap. Easy to read dial is accurate within 45 minutes plus or minus 10% for one inch movement of the bubble. Made in USA. Shipping weight 14 pounds, shaft diameter 1-1/2".
- 27-879 Replacement Bubble for 27-875.**
- 27-880 Replacement pivot pin for 27-875.** 5 pack.

Wheel Balancer Adapters May be used on most makes of off-the-car balancers having a cone large enough to fit the adapter's center hole. Made of high tensile strength aluminum alloy, accurately machined and delicately balanced. Has zinc plated bolts.

- 27-876 Adapter.** For VW, Porsche and Pontiac. Reduces hub hole size of wheels with bolt hole circle patterns of 5", 8", or 10-1/4" diameter.
- 27-877 Adapter.** For 1/2, 3/4, and up to 1 ton trucks. Reduces hub hole size of wheels with 6 or 8 hole circle patterns 6-1/2" or 7-1/4" diameter. A best seller.
- 27-878 Adapter.** For custom five hole sport wheels. Reduces hub hole size of wheels with 5 lugs and bolt hole circle patterns of 4", 4-1/2", 4-3/4" or 5" diameter.

Metric 4 lug and 5 lug adapters are available on special order from the factory. Contact our Customer Service Department.

When changing tires, we recommend you consult the vehicle Owner's Manual and follow directions exactly.



- 18-286 Heavy-Duty Auto and Light Truck Bead Expander.** Handles tires 13" to 16". 2-1/4" Diameter nylon covered neoprene inner tube, handles most bias, belted bias and tubeless tires. Has 70 PSI safety release. Our most popular unit. Tough construction and reliable. Weight 2-3/4 lbs.
- 18-287 Standard Size Bead Expander.** For tires 13" to 15". Nylon covered 3/4" neoprene inner tube. Has 70 PSI safety release. Wt. 10 oz.



Wheel Weights & Tool



27-025



27-505



27-605



27-640



27-705



27-751



27-808



27-842



27-910



27-960



27-865

Flush Cover Special. Required on vehicles with full flush covers. "S" Type, (Formerly CAX Type).

Camel No.	Oz. Size	Qty. Per Box
27-705	1/2	25
27-720	2	25

Alloy Wheels

For Ford alloy wheels: Mustang, Capri, T-Bird, Cougar, van and light truck. Uncoated. "MC" Type.

Camel No.	Oz. Size	Qty. Per Box
27-505	1/2	25
27-506	3/4	25
27-510	1	25
27-514	1-1/4	25
27-515	1-1/2	25
27-516	1-3/4	25
27-520	2	25
27-524	2-1/4	25
27-525	2-1/2	25
27-530	3	25

Domestic Alloy Wheels. For many OEM alloy wheels and aftermarket wheels prior to 1990 with .265 rim. Polyurethane coated. "AL" Type, (formerly AW type).

27-605	1/2	25
27-606	3/4	25
27-610	1	25
27-614	1-1/4	25
27-615	1-1/2	25
27-616	1-3/4	25
27-620	2	25
27-624	2-1/4	25
27-625	2-1/2	25
27-630	3	25

For Nissan, Datsun, Toyota, Lexus, Infinity, Honda with standard OEM alloy wheels and .285 rim. "ALCFN" Type.

Camel No.	Gram Size	Qty. Per Box
27-910	10	25
27-915	15	25
27-920	20	25

Import Alloy Wheels

Used on many European cars and import OEM aluminum wheels. Uncoated. "ULIW" Type, (formerly IAW type).

Camel No.	Gram Size	Qty. Per Box
27-640	10	25
27-641	15	25
27-642	20	25
27-643	25	25
27-644	30	25
27-645	35	25
27-647	40	25
27-649	50	25

27-865 Jiffy Weight Tool. 1 pack.

Passenger Car Wheels

Used on all import and domestic cars, 1/2 ton trucks, mini pickups and vans with .125 flange steel wheels. NASCAR sanctioned. If weight interferes with wheel cover, use S type. "T" Type, (formerly P type).

Camel No.	Oz. Size	Qty. Per Box
27-025	1/4	50
27-050	1/2	50
27-075	3/4	50
27-100	1	50
27-125	1-1/4	50
27-150	1-1/2	50
27-175	1-3/4	50
27-200	2	50
27-225	2-1/4	50
27-250	2-1/2	50
27-300	3	50
27-350	3-1/2	25
27-400	4	25
27-600	6	25

Truck Wheel Weights

Use on 3/4 and 1 ton trucks with 13", 15" and 16" two piece rims, 16.5" x 6, 6.75, 8.25 and 9.75 tubeless wheels. "BTS" Type, (formerly LT-1 Type).

Camel No.	Oz. Size	Qty. Per Box
27-751	1	25
27-752	2	25
27-753	3	25
27-754	4	25
27-755	5	25

1-1/2 to 2 Ton Medium-Duty Trucks and Buses. Used on tube type wheels. "BTLM" Type, (formerly 1-7 Type).

27-808	8	10
27-810	10	10

Heavy-Duty Trucks. "BTLT" Type, (formerly CT type). For section type straight flange tubeless wheels.

27-842	2	10
27-843	3	10
27-844	4	10
27-846	6	10
27-848	8	10
27-852	12	10

Tap-A-Weight © Pre-taped wheel weights. Adhesive foam backing for low-profile wheels. NASCAR sanctioned.

27-960 200 each 1/4 oz segments

WARNING: Lead is harmful if ingested. Wash thoroughly after handling and before eating, drinking or smoking. Keep away from children and pets.