



THE WORLD'S LEADING
SUPPLIER OF **TIRE**
MANAGEMENT
& **INFLATION**
SOLUTIONS





HALTEC CORPORATION
USES NUMEROUS
STATE-OF-THE-ART
AUTOMATIC CNC TURNING
MACHINES DURING
OUR MANUFACTURING
PROCESS.

HALTEC HAS BEEN REGISTERED AS AN ISO
CERTIFIED COMPANY SINCE 1998.
OUR MANUFACTURING, QUALITY AND INSPECTION
PROCESSES ARE ASSESSED BY AN INDEPENDENT
CERTIFICATION BOARD EVERY SIX MONTHS.

HALTEC STOCKS
VALVES FOR ALL
APPLICATIONS:
AUTOMOTIVE,
TRUCK, BUS,
AGRICULTURAL,
AND OFF-ROAD.

□ **TIRE VALVE SYSTEMS & TECHNOLOGY FOR THE WORLD**

For 45 years, Haltec Corporation has been the leader in the tire valve industry. When underground mines were transitioning from rail wheels to rubber tires, Haltec was there to design and manufacture the tire valve systems required to meet their technical needs.

Haltec maintains its leadership position as a major manufacturer of specialized tire valve systems. Many new product innovations were introduced by Haltec, including the Full-Flo and Super Large Bore valve designs. These designs provided the tire industry the unique products required to achieve faster flow rates, decreased downtime, and more efficient tire management. The

ever-increasing size of mining and construction tires further challenged Haltec engineering to design and manufacture our wide variety of valve systems to meet these demands. This includes the Mega Bore Tire Valve System, which has a flow rate twenty-five times faster than large bore valves.

Today, Haltec Corporation is recognized worldwide as the leading manufacturer of specialty tire valve systems and pressure inflation hardware. Haltec's 45,000 square foot facility in Salem, Ohio maintains its corporate headquarters, manufacturing, design, engineering and distribution services. As an ISO 14001/2004 & ISO 9001/2008 with design certified company, Haltec Corporation's

Quality Policy is to lead the tire valve industry by meeting or exceeding industry standards and customer requirements at a competitive price. Our on-site engineering and custom design department is complemented with a state-of-the-art machine shop and soldering, fabrication, custom-bending and product assembly services, all prepared to produce products to meet your inflation and pressure maintenance needs. Haltec has refined a global network of distribution channels and continues to grow sales to its target markets.

We hope you will find this catalog easy to use and informative. We have included "Tech Tips" throughout the text, providing information on proper inflation and our products. You will also find many product innovations, like our ES-300 series airchuck. If you can't find what you need while reviewing our catalog, please

contact our Customer Service and Sales Team so we can begin engineering the solution to your tire management program.

Haltec Corporation's products and services are designed to provide safe, efficient, and accurate tire inflation. Our goal is to provide the tire industry with the equipment and training required to enhance any organization's "Tire Management Program." Whether using air or nitrogen, the tire's PSI and tread depth need to be accurate, and the method of inflation must be safe, simple, and fast.

For us, "PSI" translates to more than just one part of your inflation needs; it means "Proactive Solutions & Innovation." When it comes to quality, we don't limit ourselves at Haltec, and neither should you - that's our "Haltec Complete Solution - Haltec's PSI Promise."

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TIRE VALVE SYSTEMS

□ **BACKGROUND**

The Super Large Bore System was introduced in 1972 and was designed to allow significantly greater air flow than the Large Bore Valve which was introduced much earlier. Today, vehicle and tire sizes are increasing again. In response to the increases in tire size, Haltec has introduced two new tire valve systems to make inflation and deflation of large tires easier and quicker than ever before: Z-Bore and Mega Bore.

□ **SYSTEM COMPARISONS**

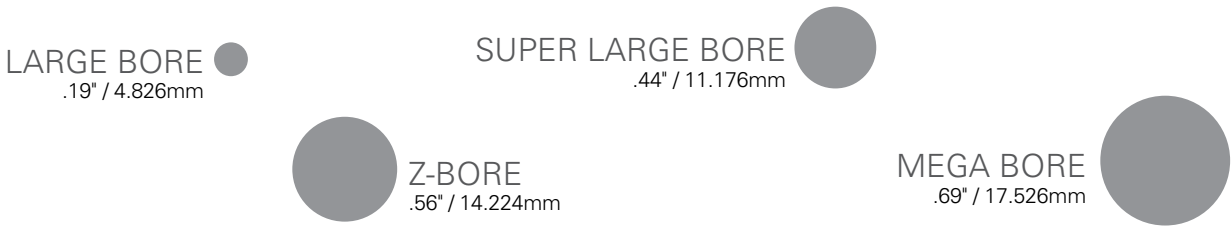
The chart below demonstrates the general characteristics of the four valve systems:

VALVE SYSTEM	FLOW RATE (CFM)	FITS VALVE HOLE	HOLE SIZE THREADED	SPECIAL INFLATOR NEEDED	RECOMMENDED FOR TIRE SIZES
LARGE BORE	22 *	13/16"	1/2" NPT	-	11.25" - 29"
SUPER LARGE BORE	240	13/16"	1/2" NPT	IN-80A/IN-95	20" up to 57"
Z-BORE	370	13/16"	1/2" NPT	Z12B/IN-95	33" up to 57"
MEGA BORE	550	15/16"	3/4" NPT	MB-8/IN-95	45" up to 63"

* Flow Rate is without valve core installed. With core, flow rate is 12 CFM. Flow rates on the Super Large Bore, Z-Bore, and Mega Bore Valves were tested with a 750 CFM diesel-powered air compressor with the pressure held constant at 100 PSI.

□ **FLOW DIAMETERS:**

Shown below is a cross-section of the different flow diameters on the four valve systems. How these increased air flows are accomplished, often using the same rim hole size, will be explained in further detail in this catalog:



INCREASED FLOW RATE SAVES INFLATION TIME. SUPER LARGE BORE INFLATION RATE IS MORE THAN THREE TIMES FASTER THAN LARGE BORE.



HALTEC manufactures over 30 different automatic tire inflators for purposes of general inflation.

Mining Solutions:

As a manufacturer of specialized tire valve systems and pressure inflation solutions, Haltec Corporation has been the unchallenged leader in off-highway, mining, and construction tire management solutions and components for 45 years. Unique innovations designed to minimize downtime have led to the development of superior quality, precisely engineered valve systems that fill every heavy equipment need.

Haltec offers a full range of products beginning with Large Bore, and increasing to removable core Super Large Bore, Z-Bore, and Mega Bore valves that top the inflation and deflation charts at an unbelievable 550 CFM. That's 25 times the flow rate of a large bore valve, and these valve systems are installed in most cases without increasing the original rim hole size. Also, when paired with one of our extensive line of rugged and reliable inflators, such as our 89XTC temperature compensating model, it is clear that Haltec does not stop at manufacturing just the highest quality individual components, but also offers completely designed and engineered solutions to real world challenges.

AUTOMATIC TIRE INFLATORS

89XTC-Temperature Compensating Tire inflator, designed to work with an in-line temperature sensor and is engineered specially for inflating larger industrial and mining tires which are often constantly in service and always running hot.

89XTC - TEMPERATURE COMPENSATING INFLATOR PAGE 71



89XTC

TIRE VALVES

R-520 is designated at Tire and Rim as the CH-8. It is an integral part of the system as the CH-8 is removed from the valve assembly with the Haltec IN-80A adapter to utilize the larger opening and the maximum air flow.

R-520 - SUPER LARGE BORE CORE HOUSING PAGE 25



R-520

INFLATOR

I-496-20 is the IN-95 inflator with 20' hose. Safely removes operator away from the blast zone by using the 20' hose. Equipped with shut off ball valve which enables operator to stop inflation for proper tire inspection.

I-496-20 - IN-95 INFLATOR WITH 20' HOSE PAGE 67



I-496-20



Commercial Fleet Solutions:

The need to manage a tire and rim as an asset rather than an expense is the concern of every commercial fleet manager. The trick is to find a company that can provide the combination of quality tire valve hardware and inflation equipment which can competitively and consistently provide that service. Haltec Corporation provides a complete tire valve and inflation program designed specifically for the unique needs of each fleet. Combining the TV-550 series valve with a DS-1 flow-through valve cap provides a better grommet seal for the valve and an efficient way to check and correct the PSI. When an 89XHB or 89MTIS is used in the mounting and speed lane to inflate and top-off pressure, the accuracy and efficiency of your tire management program grows. Haltec can further enhance the "fleet check" process with our web-based and Bluetooth enabled Tire Management System. Haltec can create a "Tire Inflation Solution" for any size fleet, as the Haltec Tire Management program combines custom software with Bluetooth enabled tire inflation and tread depth tools.



AUTOMATIC TIRE INFLATORS

Haltec automatic inflators provide a precision tool to maintain properly inflated tires with high speed and accuracy. The custom manufactured 89MTIS Series inflates 1-5 wheels simultaneously with 0.3PSI accuracy. Accurate PSI needs to be the primary objective of every tire inflation/service program. The PSI in the tire needs to be accurate and the method of inflation must be simple and fast.
89MTIS-3 - MOBILE MULTIPLE TIRE INFLATION SYSTEM PAGE 72



89MTIS-3

TIRE VALVES AND FLOW-THROUGH CAP

Straight clamp-in valves used on both demountable and non-demountable rims. For .625" diameter valve hole. Bent valve stems also available.
TV-500 - STRAIGHT CLAMP-IN VALVE PAGE 40



TV-500

The DS-1 flow-through valve cap is designed for high pressure truck tire service. Seals like a high pressure valve cap, yet offers the convenience of an inflate through extension.



DS-1

DS-1 - DOUBLE SEAL CAP PAGE 46

GAUGES AND AIR CHUCKS

Haltec's "Easy lock" air chucks provide an easy on/off application with an automatic locking-designed chuck. The 89MTIS-3CHKIT offers a variety of angled chucks to service your fleet's needs.

ES-300 SERIES CHUCKS PAGE 75



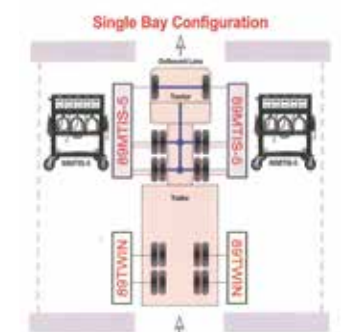
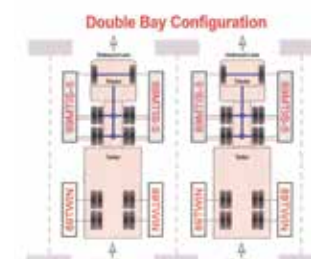
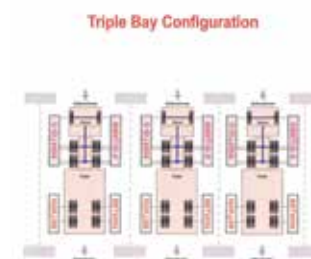
89MTIS-3CHKIT

CUSTOM SOFTWARE SOLUTIONS

Haltec can further enhance the "fleet check" process with our web-based and bluetooth enabled tire management system. Haltec can create a "tire inflation solution" for any size fleet, as the Haltec tire management program combines custom software with bluetooth enabled tire inflation and tread depth tools.



SHOP DESIGN/PRODUCT INTEGRATION SERVICES





Passenger & Light Truck Solutions:

Haltec Supplies distributors and dealer networks with the products needed to service all makes and models of passenger and light trucks. Our diverse product offering includes the premier solution for management of our automatic tire inflators providing accurate inflation and ensuring the safety and comfort of the tire professional's customers.



89TOW-4Y

AUTOMATIC TIRE INFLATORS

Haltec's most popular single tire inflation system. The perfect inflation solution for any quick lube, auto dealer or tire service center. Quick, efficient, and accurate PSI.

89MXA / 89XDA - AUTOMATIC INFLATORS PAGE 69



89MXA / 89XDA

AIR CHUCKS

This chuck features the popular European-style clip with a brass 1/4" female fitting. Compact, durable and easy to use, this chuck is available either closed (CH-360) or open (CH-360-OP). Uses replacement washer LELOC-RUBBER.

CH-360OP - CLIP-ON AIR CHUCK PAGE 59



CH-360OP

INFLATION HOSE

24' hose used with the 89MXA and 89XDA equipped with CH-360OP brass lock-on chuck.

89HKC-24 - 24' STRAIGHT HOSE W/COUPLER & CH-360OP AIR CHUCK PAGE 76



89HKC-24

SNAP IN VALVES

The snap-in valves are made of high quality ozone resistant rubber to withstand harsh conditions.

TV-413-1 1/4 IN. RUBBER SNAP IN PAGE 40



TV-413



TV-413CH



2 Large Bore Swivel Valve P. 13



1 Rim Spud P. 12

COMPONENTS OF THE HALTEC LARGE BORE SYSTEM

The Large Bore Valve System is the oldest of the four off-road tire valve systems. Below are the basic components of a Large Bore Valve System.

- There are two basic spud designs:
 - The standard clamp-in spud (H-41)
 - The screw-in spud (C-10)
- Into one of these spuds you screw a Large Bore Swivel Valve. While all Large Bore Valves vary in bend, length, and appearance, they all have a swivel feature. An O-ring seals into the valve spud and is tightened down with a swivel nut.
- To service the inside dual there are three types of extensions offered:
 - A rigid extension (867 Series)
 - A hand-bendable extension (753S Series)
 - A flexible extension (810F Series)

All Large Bore Valves can be serviced with any of the Large Bore air chucks, gauges, and tools found in the Haltec Catalog. As with all off-road valve systems, there are many customized products available. You will also find many customized bent extensions in use.



1 RIM SPUDS

H-41 TUBELESS SPUD TR-SP-2

Fits 13/16" rim hole. Used with all Large Bore Swivel valves.

C-10 LARGE BORE SCREW-IN-SPUD TR-SP-3

Screws into a 1/2" NPT tapped hole in the rim. Can be replaced without dismounting tire.

2 LARGE BORE SWIVEL VALVES SINGLE BEND SWIVEL VALVES

HALTEC NO.	TR NO.	BEND ANGLE	"L" HORIZ. LENGTH		"H" VERTICAL HEIGHT	
			INCHES	MM	INCHES	MM
N-1418	-	74°	1 3/4	44.5	1 5/64	27.4
WH-300-J-650	J-650	80°	3 1/8	79.4	1 5/64	27.4
WH-300-J-653	J-653	80°	2 1/2	63.5	1 5/64	27.4
WH-300-J-657	J-657	80°	4	101.6	1 5/64	27.4
WH-300-4 1/2	-	80°	4 1/2	114.3	1 5/64	27.4
WH-300-J-658	J-658	80°	5 1/2	139.7	1 5/64	27.4
WH-300-9	-	80°	9	228.6	1 5/64	27.4
WH-44-6	-	str.	6	152.4		
WH-45-2 1/2	J-4000-2 1/2	90°	2 1/2	63.5	1 5/64	27.4
WH-45-4	J-4000-4	90°	4	101.6	1 5/64	27.4
WH-45-4 1/2	J-4000-4 1/2	90°	4 1/2	114.3	1 5/64	27.4
WH-45-5	J-4000-5	90°	5	127	1 5/64	27.4
WH-45-6	J-4000-6	90°	6	152.4	1 5/64	27.4
WH-45-7 1/2	J-4000-7 1/2	90°	7 1/2	190.5	1 5/64	27.4
WH-45-8	J-4000-8	90°	8	203.2	1 5/64	27.4
WH-45-9	J-4000-9	90°	9	228.6	1 5/64	27.4
WH-45-10	J-4000-10	90°	10	254	1 5/64	27.4
WH-45-10 1/2	J-4000-10 1/2	90°	10 1/2	266.7	1 5/64	27.4
WH-45-12	J-4000-12	90°	12	304.8	1 5/64	27.4
WH-45-13	J-4000-13	90°	13	330.2	1 5/64	27.4
WH-45-24	J-4000-24	90°	24	609.6	1 5/64	27.4
WH-45-28	J-4000-28	90°	28	711.2	1 5/64	27.4
WH-45-29 1/2	J-4000-29 1/2	90°	29 1/2	749.3	1 5/64	27.4
WH-45-30	J-4000-30	90°	30	762	1 5/64	27.4
WH-45-32	J-4000-32	90°	32	812.8	1 5/64	27.4
WH-45-36	J-4000-36	90°	36	914.4	1 5/64	27.4
WH-46-J-651	J-651	90°	4 11/16	119	1 17/64	32.1
WH-46-4 1/2	-	90°	4 1/2	114.3	1 17/64	32.1
WH-46-9	-	90°	9	228.6	1 17/64	32.1
WH-47-J-652	J-652	86°	5 1/2	139.7	1 5/64	27.4
WH-47-4 1/2	-	86°	4 1/2	114.3	1 5/64	27.4
WH-47-9	-	86°	9	228.6	1 5/64	27.4
WH-48-J-655	J-655	74°	3 1/8	79.4	1 5/64	27.4
WH-49-J-654	J-654	60°	3 1/8	79.4	1 5/64	27.4
WH-50-J-659	J-659	90°	3 1/2	88.9	1 57/64	50.4
WH-50-J-660	J-660	90°	8 3/4	222.3	1 57/64	50.4
WH-50-6	-	90°	6	152.4	1 57/64	50.4
WH-50-7 1/2	-	90°	7 1/2	190.5	1 57/64	50.4
WH-51-J-668	J-668	90°	4 11/16	119	5 1/8	130.2
WH-52-2	-	25°	2	50.8	1 5/64	27.4
WH-53-5 1/2	-	80°	5 1/2	139.7	1 21/64	33.8
WH-54-6	-	90°	6	152.4	2 25/64	60.8
WH-55-2 1/2	-	90°	2 1/2	63.5	2 25/64	60.8
WH-55-8 1/2	-	90°	8 1/2	216.2	2 25/64	60.8
WH-56-3	-	65°	3	76.2	1 5/64	27.4
WH-57-3	-	80°	3	76.2	1 5/64	27.4
WH-58-2 1/2	-	60°	2 1/2	63.5	2 1/8	54
WH-59-J-656	J-656	90°	3 11/16	93.7	2 5/8	66.7

TECH TIP

ALL LARGE BORE SWIVEL VALVES CAN BE USED WITH EITHER OF THE RIM SPUDS FEATURED ON PAGE 12.



Any other lengths can be ordered. All valves equipped with core and hex cap. On lengths over 6", 2 lock nuts are furnished.



WH-70-J-664

DOUBLE BEND SWIVEL VALVES

HALTEC NO.	TR NO.	BEND ANGLE	HORIZONTAL INCHES	LENGTH MM	VERTICAL INCHES	HEIGHT MM
WH-70-J-661	J-661	82°-8°	4 1/2	114.3	1 5/64	27.4
WH-70-J-661-10 1/2	-	82°-8°	10 1/2	266.7	1 5/64	27.4
WH-70-J-661-25 1/2	-	82°-8°	25 1/2	647.7	1 5/64	27.4
WH-70-J-661-28	-	82°-8°	28	711.2	1 5/64	27.4
WH-70-J-664	J-664	90°-13°	8 3/4*	222.3	1 5/64	27.4
WH-70-J-664-12 1/2	-	90°-13°	12 1/2*	317.5	1 5/64	27.4
WH-70-J-667	J-667	90°-11°	7 1/2*	190.5	1 5/64	27.4
WH-71-J-9	-	55°-35°	9	228.6	1 33/64	38.5
WH-72-J-21 1/4	-	70°-20°	21 1/4	539.8	1 5/64	27.4
WH-72-J-28	-	70°-20°	28	711.2	1 5/64	27.4
WH-73-J-21 1/4	-	60°-30°	21 1/4	539.8	1 3/8	34.9

*BENT AWAY FROM RIM

Any other lengths can be ordered.
All valves equipped with core and hex cap.
On lengths over 6", 2 lock nuts are furnished.



WH-75-J-662

TRIPLE BEND SWIVEL VALVES

HALTEC NO.	TR NO.	BEND ANGLE	HORIZONTAL INCHES	LENGTH MM	VERTICAL INCHES	HEIGHT MM
WH-75-J-662	J-662	90°-20°-20°	14	355.6	1 5/64	27.4
WH-75-J-662-10 1/2	-	90°-20°-20°	10 1/2	266.7	1 5/64	27.4
WH-75-J-663	J-663	90°-8°-8°	25	635	1 5/64	27.4
WH-75-J-665	J-665	90°-13°-13°	32	812.8	1 5/64	27.4
WH-75-J-666	J-666	84°-6°-31°-31°	20 1/8	511.2	1 5/64	27.4

SPECIAL HYDROFLATING VALVES

Designed for faster filling of tires with liquid. Does not contain valve core.
Straight-through 5/16" opening is sealed with special O-ring cap No. A-151. Used on loader tire in conjunction with similar Large Bore Air Valve.

AIR WATER VALVE

Used in conjunction with WH-330-J-694 Large Bore valve.

HALTEC NO.	TR NO.	BEND ANGLE	"L" HORIZ. LENGTH		CAP
			INCHES	MM	
WH-JF-994	JF-994	28°	3 1/2	88.9	A-151



WH-JF-994

LARGE RADIUS, HIGH BEND AIR VALVE USED WITH 977S

All valves fit 13/16" valve hole.
Uses A-145 valve core and A-149 cap.

HALTEC NO.	BEND ANGLE	"L" LENGTH		"H" HEIGHT	
		INCHES	MM	INCHES	MM
114S-5 1/2	90°	5 1/2	139.7	2	50.8
114S-11	90°	11	279.4	2	50.8
Can be ordered in any length.					



114S-5 1/2

LARGE RADIUS, HIGH BEND AIR LIQUID VALVE

Uses Super Large Bore T-81 spud (TR-SP-8).
Uses A-151 cap.

HALTEC NO.	BEND ANGLE	"L" LENGTH		"H" HEIGHT	
		INCHES	MM	INCHES	MM
977S-5 1/2	90°	5 1/2	139.7	2	50.8
977S-11	90°	11	279.4	2	50.8
Can be ordered in any length.					



977S-5 1/2

All Valves Complete With Core, Cap, Spud Nut, and Grommet.

TURRET VALVE FOR PLANETARY GEAR WHEELS

HALTEC NO.	TR NO.	ANGLE BEND 1	OFFSET		HORIZONTAL LENGTH		ANGLE BEND 2
			IN	MM	IN	MM	
WH-330-J-690	J-690	28°	9/16	14.3	4 11/16	119.1	28°
*WH-330-J-691	J-691	18°	-	-	3 5/16	84.1	-
*WH-330-J-691B	J-691	18°	-	-	8 1/2	203.2	-
WH-330-J-692	J-692	28°	9/16	14.3	4 11/16	119.1	18°
WH-330-J-693	J-693	60°	1	25.4	5	127	60°
*WH-330-J-694	J-694	28°	-	-	3 1/2	88.9	-
WH-330-J-695	J-695	50°	1	25.4	4 1/8	104.8	50°
WH-330-J-696	J-696	42°	29/32	23	4 1/4	108	42°

*Single bend



WH-330-J-691



DS-400-LENGTH



WH-44-LENGTH



DS-385

DS-390

H-43

DOUBLE SPUD VALVES

DS-400-LENGTH

This Large Bore double spud valve eliminates most of the plugging of Large Bore valves, which occurs at the bend of the swivel-type Large Bore valve.

WH-44 LENGTHS RIGID EXTENSION FOR DOUBLE SPUD

Can be ordered in any length.

DS-385

For rims with valve hole counterbore on O.D. of rim.

DS-390

For rims with 1/2" tapered pipe thread rim hole.

H-43

Double Spud plug

LOADER TIRE VALVE T-670

Loader tire valve complete with core, hex cap, and O-ring seal. Thread size is 1 1/16"-12.

LOADER TIRE VALVE

HALTEC NO.	HEIGHT		CAP
	INCHES	MM	
T-670	1 25/32	45.4	A-149



T-670



H-47

TANK VALVE H-47

Screw-in type valve with 1/4" male pipe thread. Complete with core and cap.

TANK VALVE

HALTEC NO.	TR NO.	HEIGHT	
		INCHES	MM
H-47	J-671	1 19/32	40.5
H-47L		2.1	53.3

STRAIGHT VALVES

H-41

Tubeless spud, used with all Large Bore swivel valves. Fits 13/16" rim hole.

H-42

Straight valve, equipped with core and hex cap.

H-45

Spud and valve complete. Consists of H-41 & H-42.

STRAIGHT VALVES

HALTEC NO.	TR NO.	HEIGHT	
		INCHES	MM
H-41	SP-2	11/16	15.8
H-42	TRJ-670-2	1 1/2	38.1
H-45	TRJ-670-3	1 5/8	41.3



H-41



H-42



H-45

TECH TIP

THE ULTIMATE FLOW RESTRICTION IN ANY INFLATION/DEFLATION SERVICE IS THE DIAMETER OF THE VALVE AND/OR VALVE CORE.

HAND-BENDABLE EXTENSIONS

HALTEC NO.	EFFECTIVE LENGTH	
	INCHES	MM
753S-3 1/2	3 1/2	89.6
753S-4	4	101.6
753S-4 1/2	4 1/2	114.3
753S-8	8	203.2
753S-9	9	228.6
753S-10	10	254
753S-11 1/2	11 1/2	292.1
753S-12	12	304.8
753S-13 1/2	13 1/2	342.9
753S-16	16	406.4
753S-17	17	431.8
753S-17 1/2	17 1/2	444.5
753S-18	18	457.2
753S-18 1/2	18 1/2	469.9
753S-19	19	482.6
753S-20 1/2	20 1/2	520.7
753S-21	21	533.4
753S-21 1/2	21 1/2	546.1
753S-22 1/2	22 1/2	571.5
753S-23	23	584.2
753S-23 1/2	23 1/2	596.9
753S-24 1/2	24 1/2	622.3
753S-25	25	635.3
753S-29 1/2	29 1/2	749.3
753S-32	32	812.8

EXTENSIONS

HAND-BENDABLE

Equipped with 2 lock nuts and 3/4" hex sealing nut. A teflon gasket seals on end of valve, the lead seal in the sealing nut is forced into the threads for a second seal, positively locking extension to valve. Cap and core not included. They should be removed from valve and transferred to extension. The extension should be anchored to rim.

Other lengths can be ordered.



753S- LENGTH

TECH TIP

THE 3/4" HEX SEALING NUT, 463, IS INCLUDED WITH EACH EXTENSION. THE NUT COMES WITH A WASHER THAT FORMS A TIGHT SEAL BETWEEN THE EXTENSION AND THE VALVE. IT ALSO ACTS AS A LOCK, TO KEEP THE EXTENSION FROM COMING LOOSE. FOR SHIPPING PURPOSES, THE 463 SEALING NUT IS SCREWED ONTO THE EXTENSION, BUT WHEN IN USE MUST BE MOVED TO THE VALVE BEFORE INSTALLING THE EXTENSION.

RIGID BRASS EXTENSIONS

HALTEC NO.	EFFECTIVE LENGTH	
	INCHES	MM
867-1 1/4	1 1/4	31.8
867-1 1/2	1 1/2	38.1
867-2	2	50.8
867-2 1/2	2 1/2	63.5
867-3	3	76.2
867-3 3/8	3 3/8	85.7
867-4	4	101.6
867-4 1/2	4 1/2	114.3
867-5	5	127
867-5 9/16	5 9/16	141.3
867-6	6	152.5
867-6 7/8	6 7/8	174.6
867-7 1/4	7 1/4	184.2
867-7 3/4	7 3/4	196.8
867-8	8	203.2
867-8 1/2	8 1/2	216.2
867-9	9	228.6
867-10	10	254
867-10 3/4	10 3/4	273
867-12	12	304.8
867-12 1/2	12 1/2	317.5
867-16	16	406.4
867-18 7/8	18 7/8	479.4
867-22 1/2	22 1/2	571.5
867-24 1/2	24 1/2	622.3

RIGID BRASS EXTENSION

All-brass extension used where mounted in straight line with valve. Full-length deflector pin opens core in valve when servicing. Equipped with hex cap and 2 lock nuts on extensions over 5" in length. Replacement seal is available (part #F-454). **Other lengths can be ordered.**



FLEXIBLE EXTENSION

Made with tough rubber hose and reusable hydraulic-type fittings. Equipped with 2 lock nuts and 3/4" hex sealing nut. A teflon gasket seals on end of valve. The lead seal in the sealing nut is forced into the threads for a second seal, positively locking extension to valve. Cap and core are not included. They should be removed from valve and transferred to extension. **Other lengths can be ordered.**



FLEXIBLE EXTENSIONS

HALTEC NO.	EFFECTIVE LENGTH	
	INCHES	MM
810F-8	8	203.2
810F-9	9	228.6
810F-10	10	254
810F-11 1/2	11 1/2	292.1
810F-12	12	304.8
810F-13 1/2	13 1/2	342.9
810F-16	16	406.4
810F-17	17	431.8
810F-17 1/2	17 1/2	444.5
810F-18	18	457.2
810F-18 1/2	18 1/2	469.9
810F-19	19	482.6
810F-20 1/2	20 1/2	520.7
810F-21 1/2	21 1/2	546.1
810F-22 1/2	22 1/2	571.5
810F-23	23	584.2
810F-23 1/2	23 1/2	596.9
810F-24 1/2	24 1/2	622.3
810F-25	25	635
810F-29 1/2	29 1/2	749.3
810F-32	32	812.8
810F-40	40	1016

CUSTOM-BENT SWIVEL VALVES AND EXTENSIONS FOR CATERPILLAR (OE VALVES)

HALTEC NO.	OVERALL LENGTH (")	NUMBER OF BENDS	TYPE
WHG-0570VC	19 31/32	5	Valve
WHG-1450VC	32 7/8	5	Valve
WHG-4985VC	19 3/4	4	Valve
WHG-5112VC	28 3/8	4	Valve
WHG-5200VC	27	5	Valve
WHG-5410VC	31 9/16	5	Valve
WHG-5420VC	33	5	Valve
WHG-8018VC	26 3/4	4	Valve
WHG-8019VC	8	1	Valve
WHG-8852VC	18 9/16	4	Valve
WHG-9440VC	27	5	Valve
WHG-9470VC	31 1/2	5	Valve
WHD-0585EC	17 15/16	4	Extension
WHD-5008EC	17 13/16	4	Extension
WHD-5922EC	15 1/4	5	Extension
WHD-7103EC	16 1/4	4	Extension
WHD-7601EC	16 3/4	4	Extension
WHD-7602EC	14 1/4	4	Extension
WHD-7940EC	19	5	Extension
WHD-7948EC	20 5/8	4	Extension
WHD-7949EC	28 7/8	4	Extension
WHD-8262EC	28 1/2	6	Extension
WHD-9903EC	16 7/8	4	Extension



LARGE BORE SCREW-ON VALVES FOR INNER TUBES

HALTEC NO.	TR NO.	(A) ANGLE BEND	(B) VERT. HEIGHT		(C) HORIZ. LENGTH	
			INCHES	MM	INCHES	MM
LB-216*	J-1014	Strt.	1 29/32	48.4	-	-
LB-217*	J-1076A	Strt.	4 5/32	105.6	-	-
LB-218*	J-1076B	86°	1 1/8	28.6	3 1/4	82.6
LB-219*	J-1076C	90°	1 1/2	38.1	2 7/8	73
LB-220*	J-1076D	90°	2 1/16	52.4	2 5/16	58.7
LB-221*	J-1076E	88°	1 3/8	34.9	3	76.2
LB-223*	J-1175A	Strt.	5 9/32	134.1	-	-
LB-224*	J-1175B	82°	1 1/4	31.8	4 1/4	108
LB-225*	J-1175C	88°	1 3/8	34.9	4 1/8	104.8
LB-226*	J-1078A	Strt.	5 25/32	146.8	-	-
LB-227*	J-1078B	82°	1 3/8	34.9	4 5/8	117.5
LB-228*	J-1078C	90°	1 1/8	28.6	4 7/8	123.8
LB-229*	J-1179A	Strt.	6 13/32	162.7	-	-
LB-230*	J-1179B	88°	1 3/8	34.9	5 1/4	133.4
LB-231*	J-1179C	86°	1 3/8	28.6	5 1/2	139.7

H-4000 ADAPTER

H-4000 adapter converts tubes having SP-1000 type spud to accept Large Bore swivel valves. Equipped with BW-18 washer and used with rim slots. H-4000-1 Adapter Same as H-4000 except without bridge washer and hex nut.

These valves are supplied in straight or bent form ready for installation on tubes. Equipped with A-145 valve core and A-149 hex cap. Used with SP-1000 tube spud.



TECH TIP

A SPECIALLY DESIGNED TIRE VALVE ALLOWS FOR CONSTANT VISUAL PRESSURE CHECKS. IN ORDER TO USE PT GAUGE YOU MUST USE A SPECIAL PT TIRE VALVE.



PT GAUGE WITH VALVE

PT GAUGE

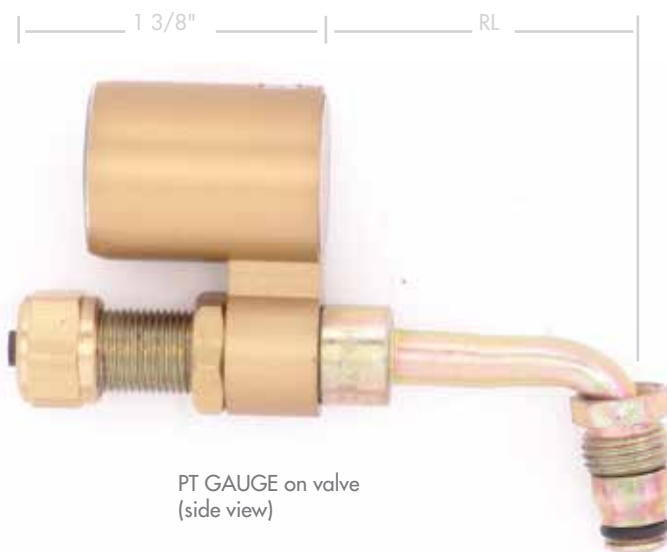
The PT Valve System is a design that allows tire pressure to be monitored with an easy-to-read, liquid filled, dial gauge attached to the valve. PT gauge is ordered separately. Comes with gauge and nut. Calibrated 0-160 PSI.

The PT valve and gauge can be used on most Large Bore, Super Large and Z-Bore applications.

This gauge mounts on specially designed PT-style valves which allow visual tire pressure checks yet also allows for inflation, deflation, and manual pressure checks without removing the gauge.

The PT gauge has an all-anodized aluminum body and is completely sealed to prevent moisture from fogging the glow-in-the-dark dial.

The PT Gauge is liquid filled to prevent damage from vibration.



PT GAUGE on valve
(side view)

When ordering valves for steering rim assemblies, check the rear length measurement (RL) so the device will clear the valve lug. This is important on some front truck rims and rear forklift or container-mover tires.

TECH TIP

AFTER FUEL, TIRES ARE OFTEN A FLEET'S LARGEST EXPENSE. THE BEST WAY TO ENSURE MAXIMUM TIRE LIFE IS THROUGH PROPER TIRE INFLATION. USING A PT VALVE AND GAUGE ASSEMBLY, TIRE PRESSURE MONITORING HAS NEVER BEEN EASIER. USE THE PT GAUGE FOR DAILY CHECKS AND A SEPARATE MASTER GAUGE FOR WEEKLY CHECKS AND YOU WILL CATCH AIR LOSS BEFORE IT CAN CAUSE PERMANENT TIRE DAMAGE.

BY SELECTING THE RIGHT PT VALVE FOR THE APPLICATION, A GAUGE CAN BE INSTALLED ON VIRTUALLY ANY MACHINE WITHOUT THE GAUGE ASSEMBLY BEING VULNERABLE TO DAMAGE. ON SOME JOB SITES AIR PRESSURE ALMOST NEVER GETS CHECKED UNTIL IT IS VISUALLY NOTICED AND BY THIS TIME PERMANENT TIRE DAMAGE HAS OCCURRED. THE PT VALVE AND GAUGE ASSEMBLY WILL RAISE THE AWARENESS LEVEL OF MACHINE OPERATORS, MAKING IT EASIER FOR THEM TO RECOGNIZE A LOW TIRE BEFORE DAMAGE HAS BEEN DONE.

PTC BLOCK-OFF COLLAR

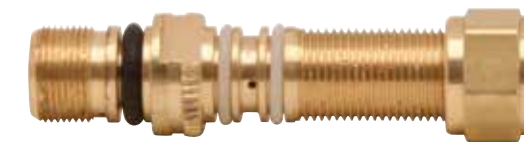
When the gauge is not being used, a PTC block-off collar can be installed to prevent air leakage. 5/8" hex.



PTC

PT-R-520

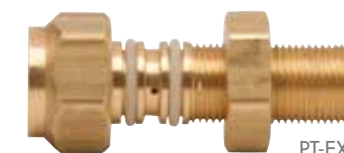
All PT valves have trouble-free, urethane O-rings on the valve barrel. For Super Large Bore applications, order the PT-R-520 core housing. Compatible for use with the IN-80A and IN-95.



PT-R-520

PT-EX

Large Bore extension with 1 5/8" effective length to allow PT Gauge installation on existing valves.



PT-EX

PT-EX-DP

Same as above, but comes equipped with internal deflector pin, therefore the core does not need to be moved from the valve.

PT VALVE SYSTEM

HALTEC NO.	DESCRIPTION	CAP
PT Gauge	Gauge with nut for use on PT valves, 0-160 PSI	-
PTC	Block-off collar for PT valves when gauge is not attached	-
PT-300-J-650	WH-300-J-650 with PT grooves and O-rings	A-150
PT-45-6	WH-45-6 with PT grooves and O-rings	A-150
PT-330-J-690	WH-330-J-690 with PT grooves and O-rings	A-150
PT-H-42	H-42 with PT grooves and O-rings	A-150
PT-753S-6	753S-6 with PT grooves and O-rings	A-150
PT-R-520	R-520 with PT grooves and O-rings for Super Large Bore	A-150
PT-330-3 1/2	Turret-style valve with 3 1/2" effective length	A-150

- Other Valves and Sizes Available
- To order other valves add the prefix "PT" to the Haltec valve number
- Assemble the valve to the tire and wheel assembly before installing the PT gauge to the PT valve.

TL-634

Tightens nut to hold PT gauge on valve assembly. Also tightens A-150 cap and PTC collar.



TL-634

PT-Z10 Z-BORE CORE HOUSING

All PT valves have trouble-free, urethane O-rings on the valve barrel. For Z-Bore applications, order the PT-Z10 core housing. Compatible for use with the Z12-B and IN-95A.



PT-Z10



PT-45-6



PT-330-3 1/2



COMPONENTS OF THE HALTEC SUPER LARGE BORE SYSTEM

M-1950 complete swivel valve, including R-520 core housing and T-81 spud.

M-1900: Same as M-1950 but without T-81 spud.

The Super Large Bore Valve System was developed in 1972. There are four parts to the valve and a unique inflator is also needed to maximize the air flow.

- 1 There are three spud designs:
 - a. The standard clamp-in spud (T-81/T-82)
 - b. The screw-in spud (C-100/C-155/C-134)
 - c. The angle screw-in spud (S-85)
- 2 The next component is the swivel angle connector which threads onto the spud. There are different angles and lengths to accommodate the requirements of the customer. (R-525 Series)
- 3 The next component is a flexible extension which can be made in any length. (MT-3000 Series)
- 4 The core housing makes up the final component. It contains a Large Bore Valve Core for servicing the tire assembly for routine pressure checks and allows the complete core housing removal for the Super Large Bore application. It can also be installed in any of the previous components for a shorter valve. (R-520)
- 5 To maximize air flow, an IN-80A or an IN-95 inflator is used to remove the core housing during inflation and deflation. A kit to allow extension assembly in the field is available. Rigid extensions are also available. *The Super Large Bore Valve System is more than three times faster than a Large Bore Valve.*

TECH TIP



SCAN AND VIEW VIDEO FOR HYDRAULIC VALVE TOOL FIELD ASSEMBLY

TECH TIP



SCAN AND VIEW VIDEO FOR MANUAL VALVE TOOL FIELD ASSEMBLY



1 CLAMP IN SPUDS

T-81 CLAMP-IN SPUD

Fits the 13/16" diameter valve hole. The T-81 spud (TR-SP8) can attach any Super Large Bore valve to the rim through a standard valve hole (13/16" diameter). Tire must be dismounted to change spud.

T-82 CLAMP-IN SPUD

Similar to the T-81 spud but with an effective length 1/4" longer.



SCREW-IN SPUDS 1/2" & 3/4"NPT TAPPED HOLE

S-85 ANGLE SCREW-IN SPUD

S-85 angle screw-in spud. Fits 1/2" NPT-tapped rim hole. 85° bend angle. Other angles available.

S-85-D ANGLE SCREW-IN SPUD

Furnished with a locking nut with a teflon seal so direction can be reversed. 85° bend angle.

SLB-85 3/4" NPT SUPER LARGE BORE ANGLE SPUD

Screw-in spud, fits 3/4" NPT-tapped rim hole 85° bend.

C-100 SCREW-IN SPUD

The screw-in spud is used to attach any of the Super Large Bore valves to the rim and is designed to screw into a 1/2" NPT-tapped rim hole. The spud can be changed without dismounting the tire. C-100 has internal threads for core housing. C-155 has no internal thread.

C-155 SCREW-IN SPUD

Same as C-100 but has no internal thread.

C-134 3/4" NPT SCREW-IN SPUD

3/4" NPT Screw-in spud



TECH TIP

THREAD SEALANT SHOULD ALWAYS BE USED ON PIPE THREADS. NINETY-FIVE PERCENT OF LARGE BORE VALVES USE 13/16" ID VALVE HOLE.

2 SWIVEL ANGLE CONNECTOR

Component two of the Super Large Bore System is generally a swivel connector that screws on the spud.

Connectors of various angles and lengths are available.

The other end of the connector accommodates a MT-3000 flexible extension which attaches to the R-520 core housing or the 6185 check valve.

HALTEC NO.	BEND ANGLE
R-525	90°
R-685	85°
R-625	80°
R-675	75°
R-660	60°
R-529 5 1/4"	90°



R-525



MT-3000

Extension Length

3 MT-3000 FLEXIBLE EXTENSION SERIES

Flexible extensions are made up in any length to allow the extension to fit the wheel configuration. The specially designed fittings and thermoplastic hose will not fatigue or crush during service. Corrosion problems are eliminated. Another important benefit of the Haltec Super Large Bore System is the ability to customize your extension in the field. The R-969-K and R-969K-1 kits are available to field assemble your own flexible extensions with the T-620 assembly tool.



T-620

(Uses T-667 bolt and T-668 nut.)

SLBHAT

This tool is used to assemble Super Large Bore flexible valves. The tool uses hydraulic power supplied by one of the air hydraulic pumps and does the work of pulling the mandrel through the hose fittings. It is fully portable and can be used anywhere an air hydraulic pump is available. See air hydraulic pumps on page 94.



SLBHAT

ASSEMBLY KIT FOR SUPER LARGE BORE VALVES FIELD SERVICE

R-969K-1

Consists of R-762S swivel connector, R-763 straight tubing connector, R-764R (2) tubing connector sleeves, and B-222 nuts (2).

R-969-K

Consists of the above plus the R-520 core housing complete with core and cap.

R-760

Extension Tubing - available in 50' and 100' lengths. For proper field assembly, cut R-760 hose 2 1/4" shorter than required length and complete with swivel angle connectors and core housing.



R-760



R-520



R-763



R-762S



B-222



R-764R

4 CORE HOUSING OR CHECK VALVE

R-520 (TR-CH-8) CORE HOUSING COMPLETE WITH CORE AND A-149 CAP

The R-520 is designated at Tire and Rim as the CH-8. It is an integral part of the system as the CH-8 is removed from the valve assembly with the Haltec IN-80A adapter to utilize the larger opening and the fullest flow.



R-520

R-520B CORE HOUSING COMPLETE WITH CORE AND A-150 CAP

The R-520B is designated at Tire and Rim as the CH-8. It is an integral part of the system as the CH-8 is removed from the valve assembly with the Haltec IN-80A adapter to utilize the larger opening and the fullest flow.



R-520B

A-449 SUPER LARGE BORE PROTECTIVE CAP

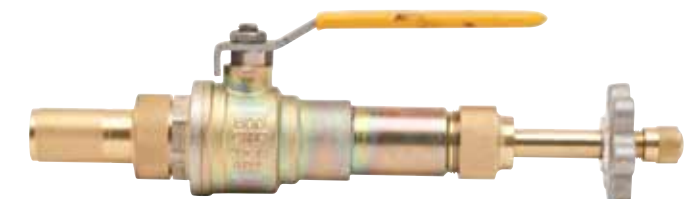
Locks the R-520 in place and cannot be removed until the A-449 is removed. Adds extra security by keeping the R-520 core housing in place deterring the tire from going flat. Protects the 1 1/16-24 thread on the valve.



A-449

TL-800 CORE HOUSING REPLACEMENT TOOL

Safely removes and replaces the R-520 core housing without losing pressure in the tire. Brass ball valve made of corrosion-resistant brass.



TL-800



IN-80A



5 INFLATOR ADAPTER

IN-80A SUPER LARGE BORE INFLATOR ADAPTER

The Haltec design of the Super Large Bore inflator adapter offers many advantages.

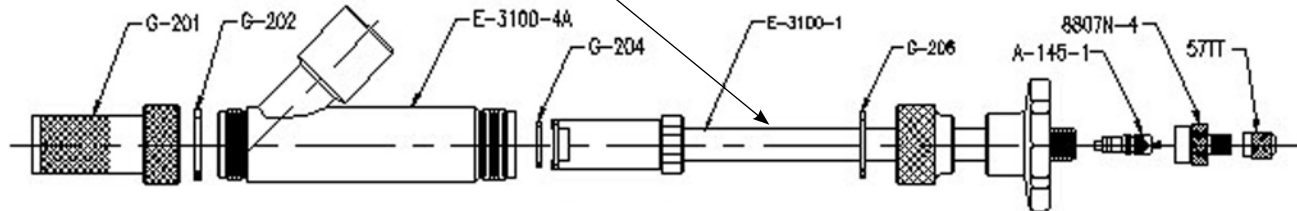
- 1/2" pipe thread for easy air hose connection. During inflation, air pressure in the tire can be checked through the stem knob with a tire pressure gauge.
- Reduces inflation time 60%, deflation time 80%.
- The core housing is held in a stainless steel extractor by a snap ring.
- Extractor is rugged enough so that the core housing can be loosened or tightened without being damaged. The IN-80A inflator adapter saves time by fast inflation or deflation on a tire. After removing the valve cap, the inflator is screwed onto the valve stem. The inflator stem is pushed in to engage the flats on the core housing. By rotating the stem counter clockwise, the core housing can be removed without any danger to the person removing it. The core housing is pulled up into the inflator body and held there during inflation or deflation. Can also be used for liquid-filling tires equipped with Super Large Bore valves.

IN-80A PARTS LIST:

- G-201 Ejector Union
- E-3100-4A Adapter Body
- G-206 Gasket for E-3100-1
- 8807N-4 Cap Adapter
- E-3100-1 1 Piece Stem and Collet
- G-202 Gasket for G-201
- G-204 Snap Ring for Collet
- A-145 Large Bore Valve Core
- 57TT Standard Bore Cap

NEW

1 piece stainless steel construction



B050121005

B050121005 MUFFLER FOR IN-80A

Muffles sound which protects the hearing of operator while deflating the tire. 1/2" fitting attaches to the IN-80A inflator. Decibel rating between 17-25 DBA.

NEW

NUT AND BOLT THREAD CLEANING KITS

Portable on-site thread cleaners provide a fast and efficient way to clean your studs before the nuts are removed using a 1/2" cordless, electric or air powered drill.

NBTC-1 Small Kit Includes:

- 1", 1 1/4", 1 1/2", 1 3/4", 2", 2 1/4", 2 1/2" external threads
- A small spare brush package of 12

NBTC-2 Large Kit Includes:

- 4", 4 1/2", 5", 5 1/2", 6" external threads
- 4", 4 1/2", 5", 5 1/2", 6" internal threads
- A large spare brush package of 12.



RIGID METAL SWIVEL VALVES

MR-800 SWIVEL VALVE

MR-800-Length. Rigid metal swivel valve with R-520 core housing and (2) B-222 lock nuts. **Can be ordered in different lengths.**



MR-800

MR-850 SWIVEL VALVE

MR-850-Length. Same as MR-800 except with a T-81 rim spud.



MR-850

MR-890 TURRET VALVE

MR-890-Length. Rigid metal turret-type valve with R-520 core housing, B-222 lock nuts (3).



MR-890

M-2000 SWIVEL VALVE ASSEMBLY

A 90° swivel valve having 3 1/8" horizontal length.

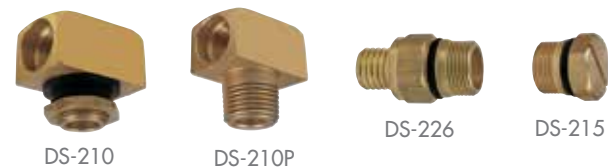


M-2000

CUSTOM VALVES

Custom valves can be formed with any bends and lengths to fit specific applications.





DOUBLE SPUD ASSEMBLY



DS-296 SUPER LARGE BORE DOUBLE SPUD VALVE ASSEMBLY (WITH FLEXIBLE EXTENSION)

Designed for wheels where space is critical. Valve height above rim is only 7/8". Consists of DS-210 double spud, DS-215 plug and MT-4000-length flexible extension.



MT-4000 LENGTH FLEXIBLE EXTENSION

Used with DS-296 and PB-210. Any length can be ordered. Consisting of: DS-226 connector, R-763 connector, R-764R sleeves (2), R-760 tubing.



N -1538B

7 7/8" long Super Large Bore turret valve with 15° bend, used on Caterpillar applications.



N -1543A

6 1/8" long Super Large Bore turret valve with 15° bend, used on Caterpillar applications.



N-1066 SUPER LARGE BORE LOADER VALVE

Accepts R-520 core housing or other Super Large Bore swivel fittings. Thread size is 1 1/16"-12. Super Large Bore version of T-670.



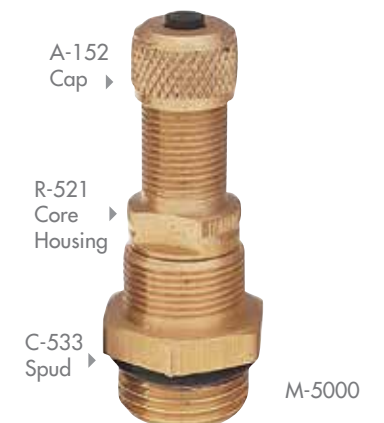
S-7910 VALVE SUPPORT

Used for Super-Large Bore.

SUPER LARGE BORE AIR-LIQUID VALVE FOR TRACTOR & GRADER

M-5000 VALVE ASSEMBLY

Screw-in type spud with O-ring seal. R-521 core housings not interchangeable in other Super Large Bore spuds. Thread size is 3/4" - 16.



M-1870 VALVE ASSEMBLY

Super Large Bore straight valve assembly consists of R-520 core housing and T-81 spud.



N-1050 VALVE ASSEMBLY

Same as M-1870 but with T-82 spud.



H-50 (TR-F-910)

Straight Valve Assembly Components T-81 spud and R-372 core housing.



R-372 (CH-16)

Fits T-81, C-100 & SP816 tube spud.

TECH TIP

THE FLOW OF THE LARGE BORE VALVE IS THREE TIMES MORE AIR THAN THE STANDARD BORE VALVE. THE SUPER LARGE BORE VALVE IS FOUR TIMES MORE AIR THAN A LARGE BORE VALVE.

MEASURED IN COST OF DOWNTIME AND THE COST TO SERVICE LARGE OFF-THE-ROAD TIRES, SUPER LARGE BORE IS A BARGAIN.

AS THE TREND CONTINUES TOWARD LARGER VEHICLES WITH LARGER TIRES, THE NEED IS FOR FASTER, MORE EFFICIENT TIRE SERVICING.

SUPER LARGE BORE FILLS THAT NEED. FOR EVEN FASTER AIR FLOW, SEE THE MEGA BORE VALVE SYSTEM ON PAGE 34 OR THE Z-BORE ON PAGE 30.



COMPONENTS OF THE HALTEC Z-BORE SYSTEM

The Z-Bore Valve System is very similar to the Super Large Bore System. By using an O-ring seal to clamp the spud to the rim, a greater flow diameter is created without sacrificing strength or performance.

- 1 There are three basic spud designs:
 - a. The standard clamp-in spud (Z2)
 - b. The screw-in spud (Z1)
 - c. The angle screw-in spud (Z4)
- 2 The second component is the swivel angle connector which threads onto the spud. As with Super Large Bore Valves, you can install a core housing into the spuds to make a valve.
- 3 The Z-Bore Flexible Extension can be made in various lengths.
- 4 The core housing is the final component. It contains a Large Bore Valve Core for servicing the tire assembly for routine pressure checks and allows the complete core housing removal for the Z-Bore application.
- 5 To maximize air flow, a Z12-B or IN-95 inflator is used to remove the core housing during inflation and deflation. This inflator operates like the Super Large Bore Inflator.

Like Super Large Bore Extensions, you can use a kit to allow extension assembly in the field. Rigid extensions are also available. Z-Bore flows 370 CFM compared to 240 CFM on the Super Large Bore Valve System.

TECH TIP



SCAN AND
VIEW VIDEO
FOR FIELD
ASSEMBLY



1 RIM SPUDS

There are three spud types available: the standard clamp-in spud, a screw-in spud, and an angle screw-in spud.

The Z-Bore Valve System is very similar to the Super Large Bore System. By using an O-ring to seal the clamp-in spud to the rim, a greater flow diameter is created without sacrificing strength or performance.

TECH TIP

Z-BORE FLOWS 370 CFM COMPARED TO 240 CFM ON THE SUPER LARGE BORE VALVE SYSTEM.

Z2 CLAMP-IN SPUD

Fits the 13/16" diameter valve hole. The Z-2 spud can attach any Z-Bore valve to the rim through a standard valve hole (13/16"). Tire must be dismounted to change spud.



Z1 SCREW-IN SPUD

The screw-in spud is used to attach any of the "tapped" Valves to the rim and is designed to screw into a 1/2" NPT-tapped hole. The spud can be changed without demounting the tire.



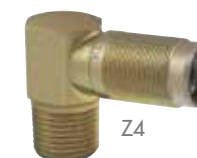
Z13 SCREW-IN SPUD

The Z-13 screw-in spud screws into the 3/4" NPT-tapped rim hole and converts Mega Bore to Z-Bore.



Z4 ANGLE SCREW-IN SPUD

Fits 1/2" NPT-tapped rim hole. 85° bend angle.





Z3-90

2 ANGLE CONNECTORS

The second component is the swivel angle connector which threads onto the spud. As with Super Large Bore valves, you can install a core housing into the spuds to make a valve.

ANGLE CONNECTOR

Connectors of various angles and lengths are available. The connector accommodates a flexible extension which attaches to the Z-10 core housing.

ANGLE CONNECTORS

HALTEC NO.	ANGLE
Z3-60	60°
Z3-75	75°
Z3-80	80°
Z3-90	90°

3 THE Z-BORE FLEXIBLE EXTENSION CAN BE MADE IN VARIOUS LENGTHS

Flexible extensions are made in any length to allow the extension to fit the wheel configuration. The specially designed fittings and thermoplastic hose will not fatigue or crush during service. Corrosion problems are eliminated. Another important benefit of the Haltec Z-Bore System is the ability to customize your extension in the field. The ZFAK field assembly kit is available to field assemble your own flexible extension with the Z5 assembly tool.



ZBFE-LENGTH



HT-Z-100

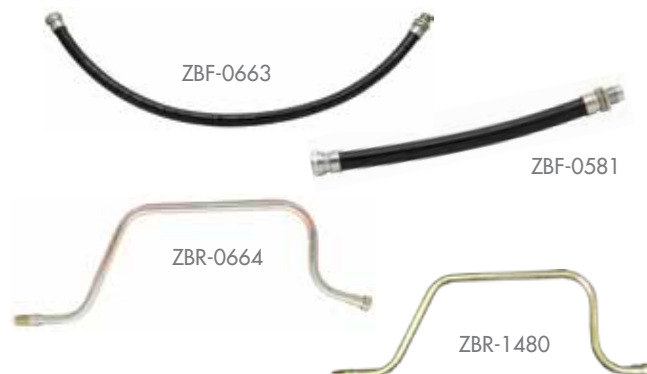
HT-Z-100 HIGH TEMP SLEEVE

Used to protect Z-100 tubing.

KOMATSU

KOMATSU EXTENSIONS

KOMATSU NO.	HALTEC NO.	NOTES
PC0664	ZBR-0664	Old Style
PC0581	ZBF-0581	
PC0663	ZBF-0663	
PC1480	ZBR-1480	New Style



ZFAK - ASSEMBLY KIT FOR Z-BORE VALVES

ZFAK consists of Z8 Swivel connector, Z17 straight tubing connector, two Z2-2 nuts, two Z9 tubing connector sleeves and Z10 core housing. Z-100 tubing is ordered separately.



The core housing is the final component. It contains a Large Bore valve core for servicing the tire assembly for routine pressure checks. The Z12-B inflator allows the complete removal of the core housing for the Z-Bore application. For proper field assembly, cut Z-100 hose 2 1/4" shorter than required length and complete with angle connectors and core housing.

4 Z10 CORE HOUSING

Complete with Core and Cap, the Z10 is an integral part of the system as the Z10 is removed from the valve assembly with the Haltec Z12-B Inflator to utilize the larger opening and the fullest flow.



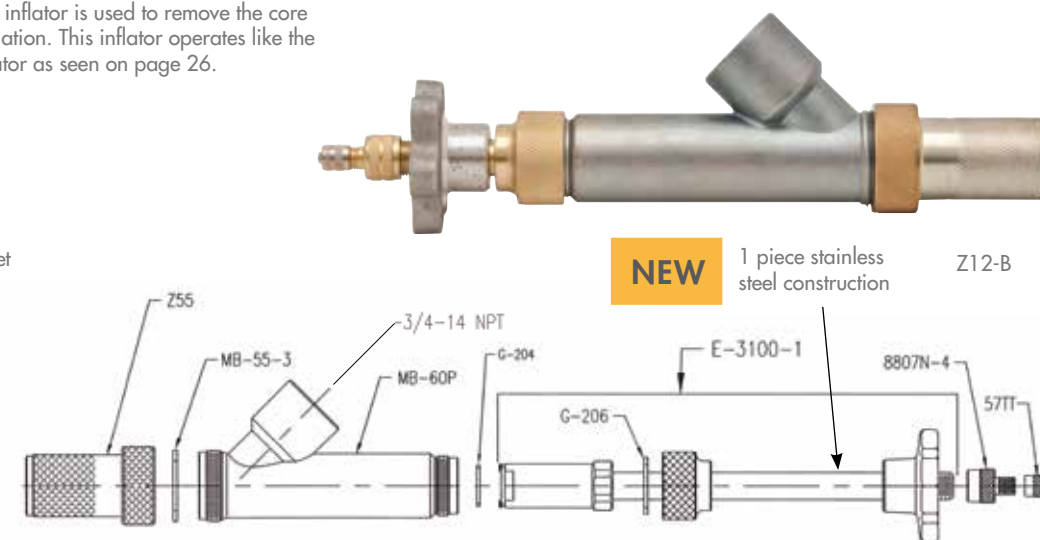
Z10

5 Z12-B INFLATOR

To maximize air flow, a Z12-B inflator is used to remove the core housing during inflation & deflation. This inflator operates like the IN-80A Super Large Bore inflator as seen on page 26.

Z12-B PARTS LIST:

- Z55 Ejector Union
- G-202 Gasket for Z11
- MB-60P Gasket for Z55
- G-204 Snap Ring for Collet
- E-3100-1 1 piece Stem & Collet
- G-206 Gasket for Stem Nut
- 8807N-4 Cap Adapter
- 57TT Standard Bore Cap



NEW

1 piece stainless steel construction

Z12-B

B070121007 FOR Z12-B

Muffles sound which protects the hearing of operator while deflating the tire. 3/4" fitting attaches to the IN-95 inflator. Decibel rating between 17-25 DBA.



B070121007



COMPONENTS OF THE HALTEC MEGA BORE SYSTEM

The Mega Bore Valve System is unique because it uses a different hole size than other valve systems. There are several other features which make this system unique.

- 1 There are three types of rim spuds:
 - a. The clamp-in spud for the 15/16" rim hole.
 - b. The angled screw-in spud for the 3/4" NPT rim hole.
 - c. Screw-in spud for the 3/4" NPT rim hole.
- 2 The second component is an angle connector which screws onto the clamp-in or the screw-in spud. The rigid Mega Bore Valve can be screwed into the angle adapters and angle screw-in spuds.
- 3 The next component is either the rigid Mega Bore Valve or the Mega Bore Flexible Valve which has the Retractable Core Housing permanently assembled to the extension. The original Mega Bore Valves have a retractable, but not removable, core housing. The new style mega bore valves use a removable core housing similar to Super Large Bore and Z-Bore.
- 4 There is also a unique cap to the Mega Bore System to protect the side vent air holes and threads of the valve.
- 5 To maximize air flow, an MB-8 inflator is used to retract the core housing during inflation and deflation. For routine pressure checks you can still use any Large Bore pressure gauge or air chuck. The new style mega bore valve utilizes the IN-95 for inflation and deflation.
- 6 Like the Super Large Bore and the Z-Bore Valve Systems, the Mega Bore Flexible Extensions can be field assembled. Mega Bore flows 550 CFM compared to 240 CFM on the Super Large Bore System.

TECH TIP



SCAN AND
VIEW VIDEO
FOR FIELD
ASSEMBLY

1 RIM SPUDS

MB-20 CLAMP-IN SPUD

Fits a 15/16" diameter valve hole. Tire must be dismounted to change spud. Attach any Mega Bore angle connector to the MB-20 spud.



MB-26 SCREW-IN SPUD

Fits a 3/4" NPT threaded valve hole, screw-in spud. Attach any Mega Bore angle connector to the MB-26 spud. Spud can be changed without demounting tire.



MB-12-85 & MB-12-75 SCREW-IN ANGLE SPUD

The screw-in spud is used on a 3/4" tapped rim hole. Attaches to a MB-14 rigid or a FMB flexible Mega Bore valve. The spud can be changed without demounting the tire.



2 ANGLE CONNECTORS

MB-19-85 & MB-19-75 ANGLE CONNECTORS

An angle connector screws onto the MB-20 spud. The other end of the connector accommodates a MB-14 rigid valve or a FMB flexible Mega Bore valve.



MB-29-85 ANGLE CONNECTORS

An angle connector screws onto the MB-20 spud. The other end of the connector accommodates a MB-27 rigid valve or Caterpillar O-ring face seal hydraulic hose.



3 VALVES



MB-14

MB-14 RIGID MEGA BORE VALVE

Rigid Mega Bore valve can be screwed into any Mega Bore angle connector or screw-in spud.



MB-27

MB-27 FACE SEAL MEGA BORE VALVE

Rigid Mega Bore valve can be screwed onto MB-29 angle connector or Caterpillar O-ring face seal hydraulic fittings.



FMB-L

FMB LENGTH MEGA BORE FLEXIBLE VALVE

Screws into the Mega Bore angle connectors or screw-in angle spud. Can be made in any length (minimum 8"). The specially designed fittings and thermoplastic hose will not crush or fatigue during service. Large Bore threads on the core housing allow use of Large Bore pressure gauges.



MBV-L

MBV-LENGTH

Screws into the Mega Bore angle connectors or screw-in angle spud. Made to length in the field using the MBAT assembly tool. MB-14 screws into the end to complete the valve.

4 CAPS



MB-25

HEX

MB-25 HEX CAP

Cap for the Mega Bore core housing. Protects core housing from damage. Has an O-ring seal. Has modified Hex that can be installed or removed using the TL-700.

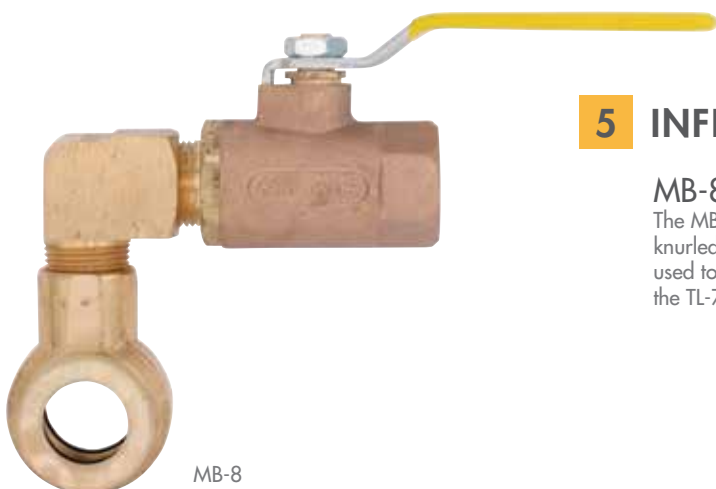


MB-13

MB-13 VALVE CAP

Cap for the Mega Bore core housing. Protects core housing from damage. Has an O-ring seal.

5 INFLATOR



MB-8

MB-8 INFLATOR

The MB-8 Mega Bore inflator attaches to the valve body by turning the knurled nut on the inflator in a clockwise direction. The 3/4" ball valve is used to open and close the air flow after the core housing is retracted with the TL-700.

HT-R-761 HIGH TEMP SLEEVE

Used to protect R-761 tubing.



HT-R-761

TL-700 TOOL

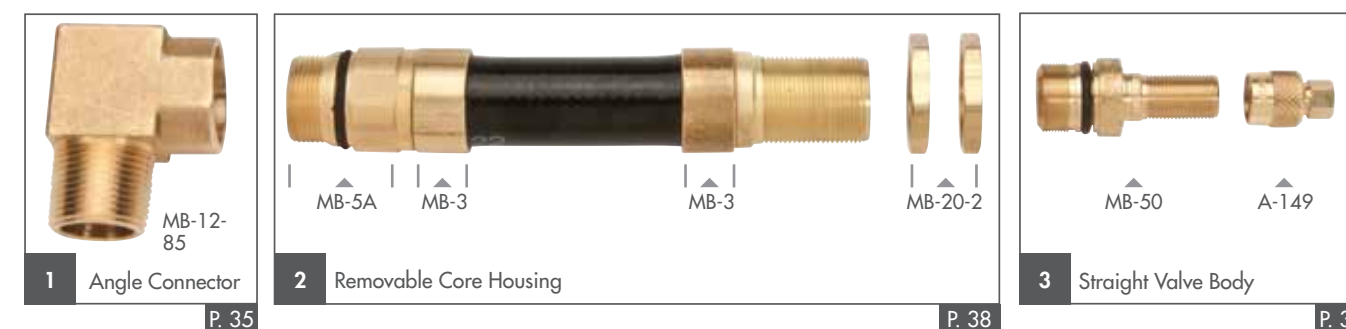
The TL-700 fits the Mega Bore core housing to retract the housing for inflation and deflation. The TL-700 should be used only in conjunction with the MB-8 Mega Bore inflator. The MB-8 inflator should be engaged on the core housing before using the TL-700.



TL-700

MBRC-8 MEGA BORE VALVE REMOVABLE CORE HOUSING 8"

Mega Bore flexible valve with removable core housing. Can be made in any length (minimum 8"). Can be assembled in field.



MB-56 RIGID MEGA BORE VALVE

Rigid Mega Bore valve can be screwed into any Mega Bore angle connector or screw-in spud. With removable core housing.



MB-56

COMPONENTS FOR MEGA BORE FLEXIBLE VALVE FIELD ASSEMBLY



For proper field assembly, cut R-761 hose 2 3/4" shorter than required length and complete with angle connectors and core housing.

6 INFLATOR

IN-95 INFLATOR ADAPTER

Haltec Model IN-95 Inflator Adapter for Air or Liquid Filling of Large Earthmover Tires when Equipped with Super Large Bore, Z-Bore, and Mega Bore Valves.

The IN-95 will insert or extract an R-372, R-520, Z10, or an MB-50 core housing and positively hold it up in the adapter body out of the air or liquid flow when filling or evacuating a tire. The inflator adapter can be attached to any liquid filling tire pump since it has 3/4" pipe thread. With the adapter attached to the valve, the pressure in the tire can be checked without disconnecting it from the valve, with a large bore gauge, through the end of the adapter stem. All IN-95 parts are brass except the collet, which is stainless steel and the hand knob, which is aluminum.

B070121007 FOR IN-95

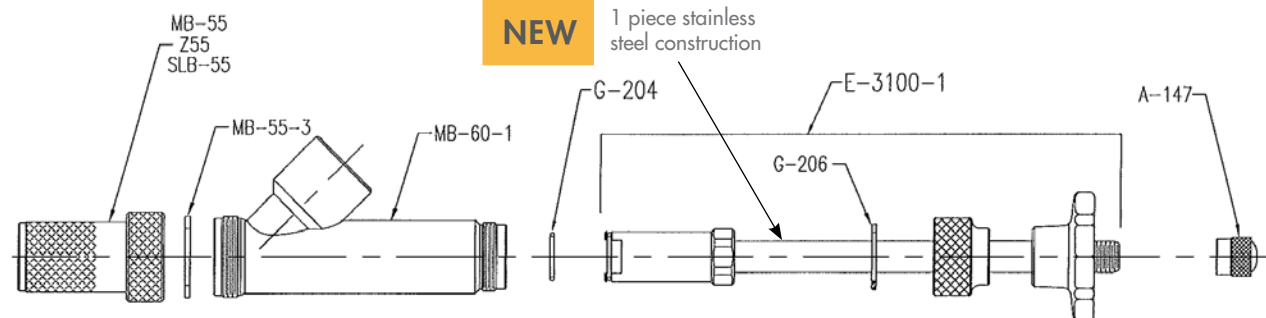
Muffles sound which protects the hearing of operator while deflating the tire. 3/4" fitting attaches to the IN-95 inflator. Decibel rating between 17-25 DBA.

IN-95 PARTS LIST:

SLB-55 Super Large Bore ejector union
Z55 Z- bore ejector union
MB-55 mega bore ejector union
MB-55-3 gasket ejector unions
MB-60-1 Adapter body
E-3100-1 1 piece Stem and collet
G-204 Snap ring
G-206 Gasket for stem nut
A-147 Dome cap



B070121007



NEW

1 piece stainless steel construction

TECH TIP

HALTEC O-RINGS PASS ALL OE SPECS

STANDARD AND ARCTIC O-RINGS FOR TUBELESS RIMS

HALTEC NO.	TIRE TYPE	RIM SIZE	ROD DIAMETER
OR-21-T	Highway	21"	.26
OR-25-T	Earthmover	25"	
OR-20-JM	Highway (JM Rim)	20"	
OR-22-JM	Highway (JM Rim)	22"	
OR-24-JM	Highway (JM Rim)	24"	.26
OR-215-H	Grader	15"	
OR-217-L	Grader	17"	
OR-220-TG	Grader	20"	
OR-224-TG	Grader	24"	.26
OR-225-T	Grader	25"	
OR-232-TG	Grader	32"	
OR-321-T	Earthmover	21"	.28
OR-325-T	Earthmover	25"	
OR-329-T	Earthmover	29"	
OR-332-TG	Grader	32"	
OR-333-T	Earthmover	33"	.385
OR-335-T	Earthmover	35"	
OR-339-T	Earthmover	39"	
OR-343-T	Earthmover	43"	
OR-345-T	Earthmover	45"	.50
OR-349-T	Earthmover	49"	
OR-449-T	Earthmover	49"	
OR-451-T	Earthmover	51"	
OR-451-OVM	Earthmover	51"	.50
OR-457-T	Earthmover	57"	
OR-457-OVM	Earthmover	57"	
OR-463-T	Earthmover	63"	
OR-463-OVM	Earthmover	63"	.50
OR-469-T	Earthmover	69"	

STANDARD AND ARCTIC O-RINGS FOR TUBELESS RIMS

- Packaged 2 per poly bag
- 24 O-rings per case
- Sold in case lots
- Consistent product quality
- Manufactured of high-quality material
- O-rings individually marked in an easy-to-read color
- Manufactured to major OEM specifications
- Spliced O-ring with sonic weld technology
- Extruded product allows diameter variation to meet the wide variety of rim O-ring grooves, both domestic and foreign
- Two compounds for all service conditions: Standard -40°F to 180°F Arctic -65°F to 180°F
- Customized product available for special applications. For Arctic O-rings add the letter "A" to the end of the part number.



High temperature compound O-rings available upon request



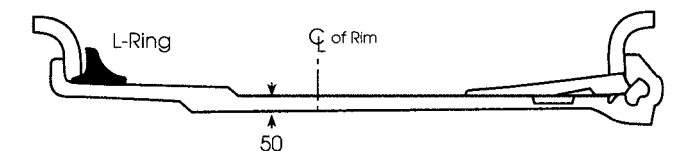
L-RING SEALS FOR EARTHMOVER RIMS PROPER USE OF HALTEC L-RING SEALS

The primary purpose of the L-ring seal is to create an air seal where the tire bead and rim bead seat are not completely compatible. Some of the examples where the L-seal will prove useful:

- Where you have an irregular butt weld in the knurled bead seat area.
- Where, during initial inflation, the bead seating is very difficult.
- When an air passage between the bead and the rim is identified.
- Where overloads and severe operating conditions cause the rim deformation (deflection) which can result in air leakage.

IMPORTANT INFORMATION

- L-Ring Seals are not a cure for damaged beads nor damaged wheels and rims. Caution should be used during all fitments. Do not install where broken bead is suspected.
- Always follow the respective manufacturers' recommendation for proper bead-lubrication and initial air pressure to properly seat beads.
- If you have any questions regarding the use of the L-Ring Seals, contact Haltec prior to attempting any installation.





TRUCK AND BUS VALVES

Straight clamp-in valves used on both demountable and non-demountable rims. For .625" diameter valve hole. **Bent valve stems also available.** Haltec custom bends the TV-570 series valves.

TRUCK AND BUS VALVES

HALTEC NO.	TR NUMBER	EFFECTIVE LENGTH
TV-500	500	2'
TV-501	501	1 1/2"
TV-570	570	3 1/8"
TV-571	571	3 3/8"
TV-572	572	3 3/4"
TV-573	573	4 3/8"
TV-574	574	5"
TV-575	575	1 1/8"

CUSTOM BENT VALVES AVAILABLE UPON REQUEST

Haltec can custom bend and fabricate any tire valve hardware need at its manufacturing facility in Salem, Ohio. This allows us to provide prototype samples which ultimately lead to innovative solutions for our customers.

TV-572-HT WITH HIGH TEMP GROMMET

Equipped with the G-170S high temperature grommet. Ideal for buses, cement trucks, and garbage trucks.

TV-573-HT WITH HIGH TEMP GROMMET

Equipped with the G-170S high temperature grommet. Ideal for buses, cement trucks, and garbage trucks.

SNAP-IN TIRE VALVE & CHROME SLEEVE TIRE VALVES

HALTEC NO.	TR NO.	EFFECTIVE LENGTH	VALVE HOLE	NOTES
TV-412	412	7/8"	.453	Rubber Sleeve
TV-413	413	1 1/4"	.453	Rubber sleeve
TV-414	414	1 1/2"	.453	Rubber sleeve
TV-415	415	1 1/4"	.625	Rubber sleeve
TV-418	418	2"	.453	Rubber sleeve
TV-423	423	2 1/2"	.453	Rubber sleeve
TV-425	425	2"	.625	Rubber sleeve
TV-413-CH		1 1/4"	.453	Chrome sleeve
TV-418-CH		2"	.453	Chrome sleeve

Maximum cold inflation pressure 65 PSI.

51025 QUICK VALVE CHANGE TOOL

- Change a tire valve in 10 seconds
- Ideal for leaking valve stems
- For use only with .453 valve stems

EINKY VALVES

A high-performance "No Show" type chrome-plated valve that installs from the outside. A rubber washer and nut are on the inside.

EINKY VALVES

HALTEC NO.	BEND ANGLE	EFFECTIVE LENGTH	VALVE HOLE
TV-6010	STR.	3/4"	.453
TV-6020	45°	1 1/16"	.453
TV-6030	STR.	1 1/4"	.453
TV-6040	STR.	1 3/4"	.453
TV-6050	90°	1 3/16"	.453

CLAMP-IN VALVE

Used on car and light truck applications. Maximum inflation pressure 130 PSI.

CLAMP-IN VALVE

HALTEC NO.	TR NO.	EFFECTIVE LENGTH	VALVE HOLE
TV-416	416	1 1/4"	.453 or .625
TV-416L	-	2"	both grommets furnished

TV-575HP/DS-1

- Ford .453 "Cut-Away" and Cargo Van Series with Single Rear Wheels
- Accuride Steel 16" x 7" Wheels
- Front & Rear Wheels
- Chrome Finish
- .453

N-1600

- Ford "F" Series Trucks with Dual Wheels
- Alcoa Aluminum 16"
- Front & Rear Wheels
- Chrome Finish
- .453

TV-416LF

- Ford "Cut-Away" Series with Dual Wheels
- Accuride Steel 16' x 16" Wheels
- Front & Rear Wheels
- Nickle Finish
- .453

TV-416/DS-1

- Ford "F" Series Trucks with Dual Wheels
- Accuride Steel 19.5"
- Front & Rear Wheels
- Nickle Finish
- .453

TV-416MC

- Ford "F" Series Trucks with Dual Wheels
- Accuride Steel 16" x 16"
- Front & Rear Wheels
- Nickle Finish
- .453

TECH TIP

ALL HALTEC SNAP-IN VALVES PASS ALL SAE REQUIREMENTS



NEW

51025

TECH TIP

ALL GROMMETS ON 570 SERIES VALVES ARE MADE IN THE USA



TV-430 TUBELESS MOTORCYCLE VALVE

Has O-ring seal, fits .327" valve holes. Effective length is 1 3/16".

TV-575-HP

Low profile with 1" E.L. Has grommets to fit either .453" or .625" diameter valve hole.

TV-6008C

Tractor Front Wheel Valve Low profile valve offers minimum protrusion above the rim. 9/16" effective length with chrome finish. Fits .453" or .625" valve hole.

TV-6008

Same as above except brass finish.

H-523MS ALLOY VALVE

A light alloy valve used on racing and light alloy wheels. Fits .453" valve hole and has O-ring seal.



HIGH-PRESSURE TUBELESS TIRE VALVE

TV-600-HP and TV-602-HP used to 80 PSI cold inflation pressure, and fits .453" diameter valve hole, maximum rim thickness .205" at valve hole. TV-801-HP and TV-802-HP used to 100 PSI cold inflation pressure, and fits .625" diameter valve hole, maximum thickness .205" at valve hole. Designed for use with transporting mobile homes.

HIGH-PRESSURE TUBELESS TIRE VALVE

HALTEC NO.	TR NO.	EFFECTIVE LENGTH	VALVE HOLE
TV-600-HP	600HP	1 1/4"	.453"
TV-602-HP	602HP	2"	.453"
TV-801-HP	801HP	1 1/4"	.625"
TV-802-HP	802HP	2"	.625"



N-1147 RADIAL COMMANDER

Valve N-1147 for 15" Disc Wheels 23° bend clamp-down valve for .625" valve hole. Bend allows clearance of brake drum for tire service.

CUSTOM BENT VALVES AVAILABLE UPON REQUEST

Haltec can custom bend and fabricate any tire valve hardware need at its manufacturing facility in Salem, Ohio. This allows us to provide prototype samples which ultimately lead to innovative solutions for our customers.

SCREW-ON REPAIR VALVES

HALTEC NO.	TR NO.	EFFECTIVE LENGTH
RV-1177A	1177A	3 1/4"
RV-1077A	1077A	4 1/8"
RV-1175A	1175A	4 1/2"
RV-1078A	1078A	5"
RV-1179A	1179A	5 5/8"

For trucks and bus, tube-type tires. A quick replacement for broken tube valves with body thread. Cut off valve and screw on repair valve without cutting out old valve base (with bridge washer). Can be used with SP-1000 tube spud.



METRIC RIM HOLE VALVE (9.7MM VALVE HOLE)

Some imported trucks will have steel wheels that incorporate the 9.7mm valve hole (.390"). These are the most popular valves for this application.

METRIC RIM HOLE VALVE (9.7MM VALVE HOLE)

HALTEC NO.	ETRTO	BEND	A HEIGHT	B HEIGHT
41 MS-00	V3-20-1	STR	1 3/16"	-
60 MS-27	No ETRTO	27°	1 3/16"	1 3/16"
70 MS-27	V3-20-5	27°	1 3/16"	1 9/16"
80 MS-27	V3-20-7	27°	1 3/16"	2"
90 MS-27	V3-20-4	27°	1 3/16"	2 3/8"
115 MS-27	V3-20-6	27°	1 3/16"	3 3/8"

Other sizes available upon request

TRUCK VALVES FOR ALUMINUM TRUCK WHEELS

Tubeless valves used in drop-center aluminum disc wheels with .625 valve hole. Rubber Grommet available (part # G-172).

TRUCK VALVES FOR ALUMINUM TRUCK WHEELS

HALTEC NO.	TR NO.	BEND ANGLE	E.L.
TV-509	TR-509	90°	4 3/4"
TV-510	TR-510	90°	5 1/2"
TV-511	TR-511	90°	4 1/4"

70 MS-7

- Aluminum wheel valve with grommet seal.
- Fits 9.7 mm

TV-540 SERIES, O-RING SEAL VALVES FOR ALUMINUM TRUCK WHEELS (9.7MM VALVE HOLE)

HALTEC NO.	VALVE TR NO.	A HEIGHT	BEND ANGLE	B LENGTH	HEX NUT
TV-542	542	1.25	-	-	HN-22
TV-543	543	2.4	-	-	HN-22
H-543C	543C	0.93	45°	1.43	HN-22
TV-543D	543D	0.98	60°	1.38	HN-22
TV-543E	543E	0.98	75°	1.38	HN-22
TV-544	544	2.9	-	-	HN-22
TV-544C	544C	0.98	45°	1.94	HN-22
TV-544D	544D	0.98	60°	1.94	HN-22
TV-545	545	3.5	-	-	HN-22
TV-545D	545D	0.98	60°	2.6	HN-22
TV-545E	545E	0.98	75°	2.6	HN-22
TV-546	546	4.25	-	-	HN-22
TV-546D	546D	0.98	60°	3.35	HN-22
TV-546E	546E	0.98	75°	3.35	HN-22
TV-546G	546G	0.98	105°	3.35	HN-22
TV-546-36	546-36	0.98	36°	3.35	HN-22
TV-547D	547D	0.98	60°	3.78	HN-22

TECH TIP

KEEP ALL O-RING SURFACES AS CLEAN AS POSSIBLE WHILE ASSEMBLING VALVES



TECH TIP

THE SLOT ON THE BOTTOM OF THE 550 SERIES ALLOWS FOR EASY INSTALLATION



TV-550 SERIES

Features:

- Longer sealing life
- Greater corrosion resistance
- Larger sealing surface
- Slot and external hex for easier installation
- Viton™ replacement grommet - G-550
- Grommet has better temperature range and tear resistance
- Grommet must be used on TV-550 Series only, not for use on 540 valve series

GROMMET SEAL VALVES FOR ALCOA TRUCK WHEELS (9.7MM VALVE HOLE)

HALTEC NO.	VALVE TR NO.	A HEIGHT	BEND ANGLE	B LENGTH	HEX NUT
TV-552	552	1.26	-	-	HN-22
TV-553	553	2.4	-	-	HN-22
TV-553C	553C	.93	45°	1.43	HN-22
TV-553D	553D	.98	60°	1.38	HN-22
TV-553E	553E	.98	75°	1.38	HN-22
TV-554D	554D	.98	60°	1.94	HN-22
TV-555D	555D	.98	60°	2.6	HN-22
TV-555E	555E	.98	75°	2.6	HN-22

AIR-FLEXX VALVE EXTENSIONS **NEW**

Conventional extensions hold the full air pressure in the extension chamber. Damage to the extension through wear or accident may mean the loss of a tire

Air-Flexx valve extensions are flexible but rigid enough to be used without a rim holder, clamp or stabilizer

Air-Flexx valve extensions are flexible but rigid enough to be used without a rim holder, clamp or stabilizer saving time and money. The extension withstands severe cold and heat without becoming brittle. The plastic casing will not corrode. The pin in the extension opens the tire valve only when checking pressure or inflating. If the extension is cut in half or broken no pressure is lost from the tire.

ORDER	APPLICATION	LENGTH
HE-340	Steer & Single Wheels with Hubcaps*	2 15/16" (75mm)
HE-341	Steer & Single Wheels with Hubcaps*	3 5/16" (85mm)
HE-342	Inner Dual Tires or Steer & Single Wheels with Hubcaps*	4 1/8" (105mm)
HE-343	Inner Dual Tires*	5 11/16" (145mm)
HE-344	Inner Dual Tires*	7 1/4" (185mm)
HE-345	Inner Dual Tires*	8 7/16" (215mm)
HE-346	Inner Dual Tires or Spare Wheels**	12 3/8" (315mm)
HE-347	Inner Dual Tires or Spare Wheels**	16 5/16" (412mm)
HE-348	Inner Dual Tires or Spare Wheels**	39 3/8" (1000mm)

* No need for clamp, holder or stabilizer

** For use on spare wheels with angled extension of 45°, 90°, 135° or 180°



TRUCK VALVE EXTENSIONS

HALTEC NO.	DESCRIPTION	COLLAR TYPE	EFFECTIVE LENGTH
HE-369	Truck Extension	Short 3/8"	1 3/8"
HE-370	Truck Extension	Short 3/8"	2"
HE-371	Truck Extension	Short 3/8"	2 15/16"
HE-372	Truck Extension	Short 3/8"	3 15/16"
HE-373	Truck Extension	Short 3/8"	5 1/8"
HE-389	Truck Extension	Long 1"	1 1/16"
HE-390	Truck Extension	Long 1"	2"
HE-390A	Truck Extension	Long collar	2"
HE-391	Truck Extension	Long 1"	2 15/16"
HE-391A	Truck Extension	Long collar	2 15/16"
HE-392	Truck Extension	Long 1"	5 1/8"
HE-392A	Truck Extension	Long collar	5 1/8"
HE-393	Truck Extension	Long 1"	6"
HE-393A	Truck Extension	Long collar	6"
HE-394	Truck Extension	Long 1"	8.0"
HE-395	Truck Extension	Long 1"	10.0"
HE-396	Truck Extension	Long 1"	12.0"
HE-397	Truck Extension	Long 1"	14.0"
HE-4430	Truck Extension	Long 1"	4"
Standard Style	-	-	-
HE-381	Truck Extension	Long 1"	3 1/16"
HE-382	Truck Extension	Long 1"	5 1/16"
HE-383	Truck Extension	Long 1"	6 1/16"

ALCOA STABILIZER

HALTEC NO.	FITS ALCOA WHEEL SIZE	DIAMETER HAND HOLE	HOLE POSITION
FCSTBL	Freightliner, 19.5	Custom	Center
H-2125	19.5"	1.50"	Center
H-2126	19.5"	1.50"	Off-Center
H-2127	22.5 x 9.0	1.50"	Center
H-2225	22.5"	2.00"	Center
H-2245	24.5"	2.19"	Off-Center
H-2227	22.5"	2.50"	Center
H-2228	Peterbilt	Oval	Center
H-2247	24.5"	2.375"	Off-Center
H-27245	24.5	Hand Hole 2.69"	Off-Center
H-8864	22.5" & 24.5	2.50"	Off-Center
H-8964	Prevost	2.00"	Off-Center
H-2248	Freightliner	1.3125"	Center
MNCSTBL	Monaco Coach	Custom	Off-Center
ULTRASTB	Ultra	Custom	Off-Center

STABILIZER & EXTENSION KIT

HALTEC NO.	STABILIZER (2)	EXTENSIONS (2)
125392	H-2125	HE-392
126392	H-2126	HE-392
127392	H-2127	HE-392
127393	H-2127	HE-393
225392	H-2225	HE-392
225393	H-2225	HE-393
227392	H-2227	HE-392
227393	H-2227	HE-393
245392	H-2245	HE-392
247392	H-2247	HE-392
257392	H-2257	HE-392

TRUCK VALVE EXTENSIONS
HE-370 SERIES LIGHTWEIGHT EXTENSIONS

Series has the short collar for use on tube-type or tubeless valves. Available in 2"-3"-4" and 5" effective lengths. Has a double seal feature to assure a positive seal. .305-32 cap thread



HE-380 SERIES STRAIGHT METAL EXTENSIONS

These screw on the standard valve stem (.305-32 cap thread) and make the valve mouth accessible for service. .305-32 cap thread



HE-390 SERIES LIGHTWEIGHT EXTENSIONS

Lightweight extensions are the same as above except with a long collar.



HE-390A SERIES LIGHTWEIGHT ALUMINUM EXTENSIONS

Extremely light weight aluminum extensions.

ALCOA STABILIZER & EXTENSION KIT

Proper air pressure is the most important factor in lengthening tire life. On dual wheel assemblies, the inner dual is many times overlooked or improperly serviced. The Alcoa Extension and Stabilizer Kit allows access to the inner dual tire valve and properly positions and supports the extension for servicing. The stabilizer reduces the road vibration on the extension and practically eliminates valve stem breakage caused by vibration.



TECH TIP

HALTEC'S DS-1 FLOW-THROUGH CAPS WILL INCREASE THE SPEED WITH WHICH YOUR FLEET DRIVERS AND MAINTENANCE TECHNICIANS COMPLETE THEIR TIRE MAINTENANCE. ALLOWS INFLATION AND DEFLATION AND PRESSURE CHECKS THROUGH CAP.



DS-I



DS-IG

DOUBLE SEAL CAP DS-1

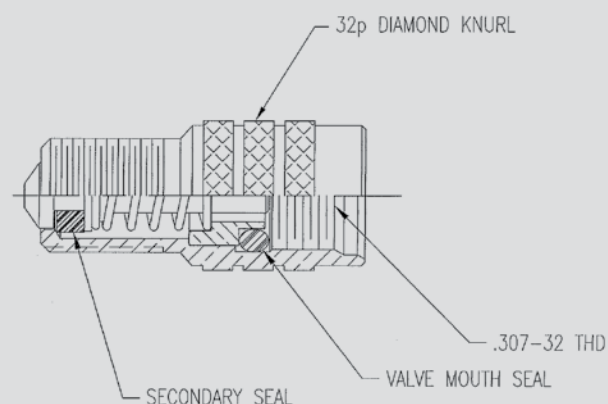
The DS-1 flow-through valve cap is designed for high pressure truck tire service. Seals like a high pressure valve cap, yet offers the convenience of an inflate through extension. It also performs like a check valve- the seal becomes tighter in the event of a core failure. The DS-1 reduces pressure check time by 65% offering an efficient money and labor savings alternative to the common valve cap. The heat resistant grommets provide additional protection for the extended high temperature running. The DS-1 consists of a tough, all metal housing, precision fit brass components and durable self-sealing O-ring.

Benefits:

- Inflate directly through sealing cap
- Reduces time and labor
- No lost valve caps

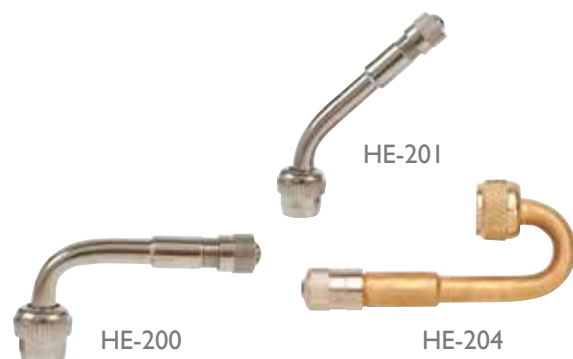
Technical Specifications:

- Overall length 7/8"
- Temperature rated seal: -40°F to 250°F



BENT EXTENSIONS FOR STANDARD BORE VALVES

HALTEC NO.	BEND	EFFECTIVE LENGTH	VERTICAL LENGTH
HE-200	90°	1 3/8"	3/4"
HE-201	45°	1 3/8"	3/4"
HE-202	135°	1 3/8"	15/16"
HE-203	24°	5 7/16"	N/A
HE-204	180°	1 7/16"	1/2"



FE-300-L

10171 clamp



SFE-400-L

621-5 clamp available

DUAL WHEEL FLEXIBLE VALVE EXTENSIONS FE-300-LENGTH

This extension provides easy access to the inner dual tire found on campers, recreational vehicles, and light trucks. Fits standard valve cap threads. Comes with clamp to secure extension to wheel cut-out. 2 extensions per pack. Standard effective lengths are 7" and 9". Effective to 200 PSI Also available, clamp part number FE-300CL, which clamps directly to the lug nut. Other lengths available upon request.

SFE-400-LENGTH

Similar to the FE-300 series except has steel braid over rubber hose.

HIGH-PRESSURE SHOCK STRUT VALVES



Constructed of stainless steel bodies for use in high-pressure shock absorber units, hydraulic pressure accumulators, surge cylinders, and high-pressure pneumatic systems. Valves have 1/2" - 20 U.N.F. - 3A threads for connection to container.

H-7607 SHOCK STRUT VALVE

For operating pressure to 2,000 PSI. Conforms to AN-812-1.

H-4361 SHOCK STRUT VALVE

For operating pressure to 3,000 PSI. Conforms to AN-6287-1.

H-798 SHOCK STRUT VALVE

For use on shock struts where operating pressure is rated for 5,000 PSI. Conforms to MS-28889-2



H-7607

H-4361

H-798

H-6116B

Fits .305-32 thread size with 1/8" NPT female connection with 70° bend. Equipped with hard fiber sealing washer. Used up to 5000 PSI working pressure.



H-6116B

H-6116

Same as H-6116B except has straight extension.



H-6116

5007

Fits .305-32 thread size with 7/16-20 thread for 1/4" flare tube fitting. Meets MS 33656E4. Maximum pressure rating is 15,000 PSI. Recommended torque 75 in/lb for steel valves. Has copper sealing washer.



5007

H-556

HIGH-PRESSURE INFLATING CONNECTION

Fits .305-32 thread size with 1/8" NPT male connection. Has core depressor pin, and copper sealing washer. Maximum working pressure 3000 PSI.



H-556

H-2755

HIGH-PRESSURE INFLATING CONNECTION

Fits .305-32 thread size with 3/8-24 thread for 3/16" flare tube fitting, meets MS336556E3. Has core depressor pin and copper sealing washer. Maximum working pressure 3000 PSI.



2755-L

H-2755



AIR LIQUID VALVES FOR TRACTOR AND ROAD GRADER SERVICE

HALTEC NO.	TR NO.	A	B	BEND ANGLE	VALVE HOLE
TV-618A	TR-618A	1 7/8"	-	-	0.625"
TV-618B	TR-618B	1 1/2"	-	-	0.625"
TV-618RB	-	1 1/2"	-	-	0.625"
TV-618A-SS	TR-618ASS	1 7/8"	-	-	0.625"
TV-621A	TR-621A	1 1/2"	3	65°	0.625"
TV-622A	TR-622A	1 3/4"	4 1/2	90°	0.625"
TV-623A	TR-623A	1 1/2"	2 1/4	65°	0.625"
N-1000	TR-619A	1 7/8"	-	-	0.812"
H-50	TR-F910B	1 13/16"	-	-	0.812"

TV-5905 AIR/ LIQUID EXTENSION

Used with tractor or grader valve stems. 90 degree angle for more accessible valve.

TRACTOR AND GRADER TUBE

HALTEC NO.	TR NO.	BASE DIAMETER	CORE HOUSING	VERTICAL HEIGHT	VALVE HOLE
TV-218R	TR-218A	2 1/2"	TV-CH-3	1 7/8"	0.625"
TV-220R	TR-220A	2 1/2"	TV-CH-3	2 15/16"	0.625"
TV-916R	TR-916A	3 1/4"	R-372	1 7/8"	0.812"

Valve assemblies with removable core housing for liquid fill. Has Vulc-on back to allow field repair.

B9A BUSHING ASSEMBLY

Fits over TR-218A and TR-220A valves to allow use of valve in the 13/16" valve hole. Consists of B9-1 bushing and B9-2 nut.

LN-10 PLASTIC RIM NUT

Rim nut for tractor tube valves TR-218A and TR-220A. For brass rim nut, order **LN-10B**. See page 57 for TL-LN-10 installation tool.

B-6 BUSHING

Fits over TR-13 tube valve when used in 5/8" valve hole.

RIM HOLE PLUGS

P-15 FOR TUBE-TYPE WHEELS

Used to plug 5/8" rim hole and avoid tube "pouching."

T-30

Used to seal 13/16" rim hole when relocating valve.

N-1012S

Used to seal 5/8" rim hole when relocating valve.

ALSP

Air-liquid spud plug. Used to replace TV-CH-3 core housing.

CORE HOUSING

TV-CH-1

Fits old-style TR-218 and TR-220 valves.

TV-CH-3

Fits all fast flow air-liquid valves except Super Large Bore.

R-372

Fits SP816 tube spud and T-81 & C-100 spud.

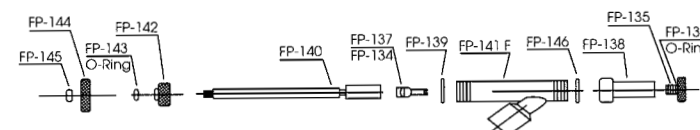


310 VALVE ADAPTER GUN

Has a 1/2" female pipe thread and will attach to any calcium tire filling pump, it will extract the valve core from a Standard Bore valve or the core housing from a tractor valve. It will securely hold the valve core or core housing up in the gun body during tire filling or evacuation of liquid from a tire. Due to the design, it will permit faster evacuation of liquid from a tire than with other adapter guns. Replaces Deming #1010.

PARTS LIST:

FP-134 Large Bore Core Remover
FP-135 Adapter for Standard Valve (Equipped with FP-136)
FP-136 O-Ring for FP-135 Adapter
FP-137 Standard Valve Core Remover
FP-138 Ejector Union (Equipped with FP-146)
FP-139 Gasket
FP-140 Stem
FP-141 F Adapter Body
FP-142 Stem Sealing Nut
FP-143 O-Ring for FP-142 (Stem Seal)
FP-144 Hand Wheel
FP-145 Lock Nut
FP-146 Teflon Gasket



N-1057

Flexible extension for 310 gun.



AQF-1 AQUA QUICK FILL HALTEC

Patent No. 5,007,448 Haltec's Aqua Quick Fill is a simple, time-saving tool that allows the user to fill a tractor tire or large off-the-road tire with liquid, and do other tasks while the tire is being filled. No longer does the user have to stand by and vent the excess air pressure. With the AQF-1, air is automatically vented through a side port while the liquid is being injected into the tire. When the tire is filled, the water escapes from the vent hole, indicating that the tire is full.



FLUID CONNECTORS

Coupler N-1451, 1/2 NPT female thread. Designed specifically for fluid use.

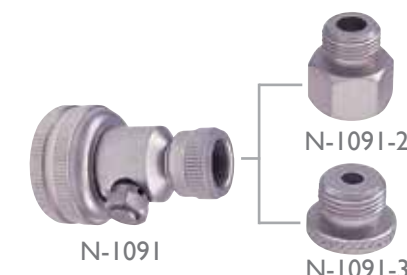
NIPPLE N-1452

1/2 NPT male thread. For fluid use.



N-1091 WATER ADAPTER

N-1091 For liquid fill tires.





VALVE CORES

HALTEC NO.	TIRE & RIM NO.	DESCRIPTION
A-100-VC-1	C-1	Standard Bore Heat-Resistant Core for Cars, Trucks and Busses.
A-144	C-2	Large Bore Core (long). Fits 305-32 Threads
A-145	C-2	Large Bore Core (short). Fits 305-32 Threads

VALVE CAPS (STANDARD BORE)

HALTEC NO.	TIRE & RIM NO.	DESCRIPTION
57TT	-	Short dome cap.
89TPMS-CAPG	-	Chrome-Plated Plastic Hex Cap for TPMS
A-100-VC-2	VC-2	Metal Screwdriver Valve Cap for Removing Valve Cores
A-100-VC-3	VC-3	Metal Dome Valve Cap
A-100-VC-8	VC-8	Plastic Dome Valve Cap
A-100-VC-8G	VC-8	Plastic Green Dome Valve Cap
A-100-VC-12	-	Heavy-Duty Dome Cap for Truck Service. Has Heat-Resistant Sealing Washer.
DS-1	-	Double Seal Valve Cap
DS-1G	-	Double Seal Valve Cap (Green)
N-1202	-	Chrome-Plated Hex Cap

VALVE CAPS (LARGE BORE)

HALTEC NO.	TIRE & RIM NO.	DESCRIPTION
A-148	VC-6	Screwdriver Valve Cap. Fits .482-26 Valve Threads.
A-149	VC-7	Hex Valve Cap for Easy Tightening and Removing with Wrench. Fits .482-26 Valve Cap
A-147	A-10	Dome Cap
8807N-3	VC-4	Screwdriver Cap for 8807N-4 and AD-1 Adapters
A-150	-	Large Bore Short Hex Cap
A-151	-	Used Only with Hydro Inflating Valves.
A-152	VC-10	Large Bore Short Dome Cap
A-155	-	Plastic Large Bore Sealing Cap



VALVE ADAPTERS

AD-1

Adapts Large Bore valve down to Standard Bore. Fits in 305-32 valve core threads.

8807N-4

Adapts Large Bore valve down to Standard Bore. Fits over .485-26 valve cap threads.

GROMMETS

HALTEC NO.	TIRE & RIM NO.	FITS	TEMP. RATING	USED ON
5976-5	RG-54	.453 Valve Hole	-60 - 250° F	TV-416, 416L, 6008
5976-6	RG-39	.625 Valve Hole	-60 - 250° F	TV-416, 416L
G-160	RG-22	.812 Valve Hole	-60 - 250° F	H-41, T-81, T-30, DS-385, DS210
G-162	RG-16	.812 Valve Hole	-60 - 250° F	Turret Valves, PB-210, H-1000
G-165	-	.812 Valve Hole	-60 - 250° F	K-431, K-665
G-166	RG-7	.625 Valve Hole	-60 - 250° F	TV-618, 621A, 622A, 623A
G-170	RG-15	.625 Valve Hole	-60 - 250° F	TV-500 Series, TV-570 Series
G-170S	-	.625 Valve Hole	-75 - 400° F	Heat-Resistant Grommet for TV-570 Series
G-172	RG-46	.625 Valve Hole	-60 - 250° F	TV-509, 510, 511
G-174	RG-48	.625 Valve Hole	-60 - 250° F	TV-513, 515
G-550	RG-70	.975 Valve Hole	-20 - 400° F	Fits TV-550 Series

HEX NUTS

HALTEC NO.	TIRE & RIM NO.	FITS	USED ON
451	HN-15	11/16-16	H-41, T-30
452	-	.485-26	K-431
463	-	-	753S, 810F (Jam Nut)
464	HN-1	.485-26	L.B. Valves, 753S, 810F, 867, TV-618A, 621A, 622A, 623A
10071	HN-13	.406-26	TV-500 Series, TV-570
B-222	HN-80	11/16-24	M-1900, M-1950, H-4000, MR-800, MR-850, T-81
B9-2	LN-13	11/16-24	B9A Assembly
HN-17	HN-17	.406-28	TV-509, 510, 511
HN-18	HN-18	.406-28	TV-513, 515
HN-21	HN-21		TV-540 Series
HN-22	HN-22	.375-32	H-543C, TV-540, TV-550 Series
LN-1	HN-2		FE-300 Series
HN-23	HN-23	.375-32	70MS-7

O-RINGS

HALTEC NO.	TIRE & RIM NO.	TEMP. RATING	USED ON
O-320	-	-40 - 250° F	Swivel Valves, H-43, H-42
O-330L	RG-60	-75 - 400° F	TR-540 Series Valves
10008	-	-40 - 250° F	T-670
10009	-	-40 - 250° F	M-5000
A-126	-	-40 - 250° F	R-762S, R-525 & SLB Angle Connections
A-127	-	-40 - 250° F	R-520, R-372, R-521
A-128	-	-40 - 250° F	DS-215, DS-226

WASHERS

HALTEC NO.	TIRE & RIM NO.	FITS	USED ON
453	-	11/16-24	K-431, K-665
10058	RW-8	.406-28	TV-500 Series, TV-570 Series
10058B	RW-8	.406-28	TV-500 Series, TV-570 Series
RW-13	RW-13	.410-28	TV-416
W-1101-1	RW-11	.485-26	TV-618A, TV-621A, 622A, 623A





TANK VALVES

Utilized on pressure containers where gauging or servicing may be required. Tank valves are used with various gases, fluids and operating pressures. For specific application, please contact Haltec for technical assistance.

TANK VALVES

HALTEC NO.	OAL	BASE THREAD	CAP THREAD	HEX SIZE
TV-399	1 5/16"	1/8" NPT	.305-32	7/16"
TV-400	1 5/16"	1/4" NPT	.305-32	9/16"
TV-401	27/32"	1/8" NPT	.305-32	7/16"
TV-402	1 5/16"	1/8" NPT	.305-32	7/16"
H-47	1 19/32"	1/4" NPT	.482-26	9/16"
TV-400S	1"	1/4" NPT	.305-32	9/16"

RADIAL TIRE BEAD SEATERS

One-piece rubber tube for mounting hard-to-seat radial, bias belted or conventional truck tires. As the tire is inflated, the lubricated bead seater forms a seal between the rim and tire allowing the air pressure to force the beads into the rim flange. As proper pressure is reached, the bead seater slides out and over the rim.

FOR TRUCK TIRES:

TC-30 for 13" Rims
TC-40 for 14-15" Rims
TC-50 for 16.5" and 17.5" Rims
TC-60 for 19.5" Rims
TC-63 for 20" Rims
TC-70 for 22.5" and 24.5" Rims

FOR PASSENGER TIRES:

PC-1 for 13" Rims
PC-2 for 14" and 15" Rims
PC-3 for 15" Rims
PC-4 for 17" Rims
PC-5 for 18" Rims
PC-6 for 20" Rims
PC-7 for 12" Rims

Note: OSHA Regulations require that service personnel use a clip-on air chuck with an inline inflator at a recommended distance that keeps the employee out of the trajectory of the tire and rim. After beads are seated, put tire and rim into approved inflation cage and continue to inflate to prescribed air pressure.

RIM GUARD HX-44

Protection cover for aluminum and chrome bolt hole areas while using an impact wrench.

WHEEL SHIELD HX-24

Protection cover for aluminum and chrome wheels. Snaps into place. Shows proper torque sequence numbers for wheel nuts.



HX-44



HX-24

DUAL FOOT TRUCK SERVICE GAUGE

Haltec offers a wide variety of service gauges to accommodate the numerous tire and wheel configurations encountered by the service personnel. Choose the gauge that best fits your particular needs.

DUAL FOOT TRUCK SERVICE GAUGE

HALTEC #	OPERATING RANGE	INCREMENTS	BAR	CHUCK STYLE	FINISH
DT-150	0-150 PSI	.5 PSI	N/A	Angled Chuck	Chrome
GA-135	10-150 PSI	2 PSI	Nylon	Angled Chuck	Chrome
GA-135S	10-150 PSI	2 PSI	Metal	Angled Chuck	Chrome
GA-140	10-160 PSI	2 PSI	Nylon	Angled Chuck	Chrome/Poly
GA-155	10-150 PSI	2 PSI	Nylon	Straight-on 30° Reverse	Chrome
GA-155S	10-150 PSI	2 PSI	Metal	Straight-on 30° Reverse	Chrome
GA-155S-RCL**	10-150 PSI	2 PSI	Metal	Straight-on 30° Reverse	Chrome
GA-165*	10-150 PSI	2 PSI	Nylon	Straight-on 30° Reverse	Black Polyurethane
GA-165S-RCL**	10-150 PSI	2 PSI	Nylon	Straight-on 30° Reverse	Chrome
GA-175*	10-150 PSI	2 PSI	Nylon	Angled Chuck	Black Polyurethane
GA-185	10-150 PSI	2 PSI	Nylon	Straight-on 180° Reverse	Chrome
GA-185S	10-150 PSI	2 PSI	Metal	Straight-on 180° Reverse	Chrome
GA-185S-RCL**	10-150 PSI	2 PSI	Metal	Straight-on 180° Reverse	Chrome
GA-189S-RCL**	10-150 PSI	2 PSI	Metal	Straight-on 30° Reverse	Aluminum

**Recalibratable, *Extended Head

DUAL FOOT TRUCK HIGH-PRESSURE GAUGE

DUAL FOOT TRUCK HIGH-PRESSURE GAUGE

HALTEC #	OPERATING RANGE	INCREMENTS	BAR	CHUCK STYLE	FINISH
GA-130	20-120 PSI	2 PSI	Nylon	Angled Chuck	Chrome
GA-150	20-120 PSI	2 PSI	Nylon	Straight-on 30° Reverse	Chrome
GA-160*	20-120 PSI	2 PSI	Nylon	Straight-on 30° Reverse	Black Polyurethane
GA-170*	20-120 PSI	2 PSI	Nylon	Angled Chuck	Black Polyurethane

*Extended Head

TIRE GAUGE GRIP

TGG-1 TIRE GAUGE GRIP

Allows a positive grip on your gauge during inclement weather conditions and serves as a protective cushion should the gauge be inadvertently dropped. Can be used on all dual foot truck service gauges.

GA-155S-RCL-HD

CHROME DUAL FOOT METAL BAR SERVICE GAUGE

Chrome body. Easy to read metal slide bar. Calibrated 10-150 PSI. Straight on 30° reverse head for hard-to-reach valves. Built to withstand harsh working conditions.



NEW



GA-146

GA-125

PENCIL TIRE GAUGES

Haltec Pencil-Type Tire Pressure Gauges have a highly polished finish with an easy-to-read, 4-sided nylon indicating bar and a handy pocket clip. NOTE: All pencil gauges have a chuck guide to assure the gauge fits squarely on the tire valve. This prevents air leakage and guarantees accurate pressure readings.

HALTEC #	OPERATING RANGE	INCREMENTS	BAR	SERVICE	FINISH
GA-100	1-20 PSI	1/2 PSI	Nylon	Garden Tractors, ATV's	Chrome
GA-105	10-50 PSI	1 PSI	Nylon	Passenger Tire	Chrome
GA-110M	10-50 PSI/73-325 kPa	1 PSI	Nylon	Passenger Tire	Chrome
GA-115	20-120 PSI	2 PSI	Nylon	Truck High Pressure	Chrome
GA-120M	20-120 PSI/150-800 kPa	2 PSI	Nylon	Truck High Pressure	Chrome
GA-125	5-45 PSI	1 PSI	Nylon	Air-Liquid Tires	Chrome
GA-145	10-75 PSI/70-500 kPa	1 PSI	Nylon	Radial & Spare Tire	Chrome
GA-146	20-90 PSI	1 PSI	Nylon	Radial & Light Truck	Chrome



GA-100DIS

Colorful display of 10 gauges of our GA-100 model

GA-105DIS

Colorful display of 10 gauges of our GA-105 model

GA-115DIS

Colorful display of 10 gauges of our GA-115 model

*Private Label Gauges Available. Call For Details.
1-800-321-6471*



GCS-A GAUGE CHECK STATION

Large 4" liquid filled gauge with 2lb. graduated increments. Pressure gauge provides clear pressure readings for greater test accuracy. Accuracy $\pm 1\%$ full scale. Maximum operating pressure 160 PSI. Dimensions consists of 8 3/8" W x 7"H x 5" D.

GCS-A

DIGITAL AIR GAUGES

HALTEC NO.	OPERATING RANGE	INCREMENTS (PSI)	APPLICATION
GA-850-330	0-160	0.5	Standard Bore air gauge w/CH-330 dual foot air chuck
GA-850-350	0-160	0.5	Standard Bore air gauge w/CH-350 dual foot air chuck
GA-850-370	0-160	0.5	Standard Bore air gauge w/CH-370 dual foot air chuck
GA-850-377S	0-160	0.5	Fits Large Bore Digital Air Gauge with 377S air chuck
DT-105	0-100	0.5	Standard Bore digital air gauge



GA-850-370



DT-105

DIAL AIR GAUGES

HALTEC NO.	OPERATING RANGE	INCREMENTS (PSI)	APPLICATION
GA-274	0-160	5	14" Standard & Large Bore Air Liquid Gauge
GA-276	0-160	5	18" Standard & Large Bore Gauge w/Extension Handle & bleeder valve
GA-290	0-160	1	12" Standard & Large Bore Air Master Gauge equipped with recalibration feature
N-1055	0-160	5	12" Standard Bore Air Gauge; equipped with an CH-335 dual foot air chuck
GA-285	0-160	5	10" Dial Gauge with Rigid Extension
GA-289	0-160	5	Replacement Dial Gauge
N-1510	0-160	5	Cap Gauge; screws onto Large Bore & Super LargeBore valves for inspection of tire pressure
GA-300-377	0-160	2	15" Large Bore air gauge with built-in filter and accessible reservoir for easy cleaning



N-1510

GA-290



GA-300-377



GA-276



GA-285

N-1420H



GA-190



GA-190S



DT-190



GA-240



GA250



GA-255



GA-255S-RCL



N-1410



5131

**N-1420H TRUCK TREAD DEPTH GAUGE**

- Calibrated in millimeters and 1/32nds of an inch.
- Measures shoulder wear as well as tread depth.
- Durable metal construction, chrome-plated.
- Comes in a clear protective plastic pouch.
- Can be custom imprinted.
- Pocket-size.

GA-190 TIRE TREAD DEPTH GAUGE

Quickly and accurately measures how much tread is left on tire. Calibrated in 1/32" units and millimeters. Chrome-plated brass with pocket clip.

GA-190S TIRE TREAD DEPTH GAUGE

With aluminum body, calibrated 1/32"

DT-190 DIGITAL TREAD DEPTH GAUGE

Displays tread depth in millimeters, inches and fractions, calibrated 1/32". Easy to read LCD screen. Zero function allows for a zero gauge at any time for quick and accurate readings.

LARGE BORE GAUGES

These gauges work with all Large Bore, Super Large Bore, Z-Bore, and Mega Bore products.

GA-240 STRAIGHT PENCIL GAUGE

Straight-on chuck fits Standard and Large Bore valves. Calibrated 20-120 PSI in 2-lb. increments. Furnished with pocket clip.

GA-250 HIGH PRESSURE GAUGE

10-150 lbs. in 3 lb. units. For Standard and Large Bore valves. Has nylon indicating bar and Haltec Posi-Seal washer.

GA-250S

Same as above with metal indicating bar.

GA-255 LARGE BORE SWIVEL FOOT GAUGE

Quality Features:

- Nickel-plated brass
- Nylon slide bar. Easy to read.
- Calibrated 10-150 in 2 lb. units
- Swivels 360° for those hard-to-reach valves. Haltec Posi-Seal replacement washer (10095) available.

GA-255S

Same as above with metal indicating bar.

GA-255S-RCL - LARGE BORE SWIVEL GAUGE-RECALIBRATABLE

Recalibratable. Same description as GA-255S, see above.

N-1410 OFF-HIGHWAY TIRE TREAD DEPTH GAUGE

Indicating bar is calibrated with 32nds on one side, other side is millimeters. Has magnified sight-glass for easy readability. Comes with a carrying holster. The finest instrument available.

5131- OFF-HIGHWAY TREAD DEPTH GAUGE

Two piece gauge made up of slide tube and indicator. Calibrated 0-6" in 1/32" units and 7 to 152 mm metric. Tubing spans tread lugs on off-road tires.

TL-680 THREE-WAY LARGE BORE TOOL

For removing large bore cores, hex caps and screw driver caps.

TL-690 FOUR-WAY LARGE BORE CORE TOOL

Thread repair for core and cap threads and core remover. For Large Bore and Super Large Bore.

TL-695

The TL-695 is a four-way tool that repairs the internal and external threads on air-liquid valve spuds. It also is a Large Bore valve core insertion tool, and it repairs internal and external threads.

ASP-10 DEFLATION ASPIRATOR

Tube deflation aspirator for Large Bore.

N-1610 LARGE BORE CORE TOOL

Large bore core tool, equipped with sliding sleeve which holds the core during removal. 5.4" in length.

N-1710 LARGE BORE CORE TOOL

Special valve core screwdriver tool. Sliding sleeve allows positive grip on valve core for those hard-to-reach valves. 10" in length.

N-1810 LARGE BORE HEX CAP REMOVER

With plastic handle for positive grip - OAL 10".

N-1910 LARGE BORE CORE REMOVER

Has plastic handle for positive grip - OAL 6".

TL-631 SUPER LARGE BORE RETHREADING TOOL

Used to rethread 11/16" - 24 thread on any Super Larger Bore valve.

TL-LN-10

The TL-LN-10 is a nut driver that installs the LN-10 nut onto the TV-218A/TV-220A tractor tire valve.

8909-C

Guides, aligns, and holds Large Bore valve through rim hole while mounting the tire.



TL-680



TL-690



TL-695



ASP-10



N-1610



N-1710



N-1810



N-1910



TL-631



TL-LN-10



8909-C

LARGE BORE AIR CHUCKS

SHORT & LONG: DUAL FOOT, SCREW-ON, LOCK-ON, CLIP-ON

LARGE BORE AIR CHUCKS

322



322 LARGE BORE DUAL FOOT AIR CHUCK

45° angle chuck allows easy access to the tire valve. Has 1/4" NPT female thread.

326



326 SCREW-ON AIR CHUCK

Has .485-26 internal thread and 1/2" NPT external thread. Full flow for seating of tire beads.

377



377 LOCK-ON AIR CHUCK (LONG)

Chuck locks on valve when cocked on threads. Has greater air flow and seat cannot be blown out if seal fails. Has 1/4" NPT female thread. Replacement washer 313. Also for use with Super Large Bore.



328



H-4660A

328 LOCK-ON AIR CHUCK (SHORT)

Chuck locks on valve when cocked on threads. Has greater air flow and seat cannot be blown out if seal fails. Has 1/4" NPT female thread.

H-4660A CLIP-ON AIR CHUCK

Securely locks onto valve when sleeve is pushed forward, releases when sleeve is pulled back. Has 1/4" NPT female thread.

H-4660B CLIP-ON AIR CHUCK

Same as H-4660A with a higher derometer seal.

10013 LARGE BORE SCREW-ON CHUCK

Fits 3/8" ID air hose. Screws on to Large Bore valves. Open and close the valve core by turning the knob on top of the chuck.



10013



CH-425

CH-425 SCREW ON AIR CHUCK

Screws on to large bore valves. Designed for air craft inflation. Has 1/4" NPT female thread. Maximum working pressure up to 300 psi.



LBTK-1 - LARGE BORE TOOL KIT

Kit contains the 5131, TL-690, H-4660A, N-1910, GA-2555-RCL, 8909-C, N-1710, and N-1810.



LBTK-1

SAFETY!

THESE PRODUCTS, AS WELL AS ALL TIRE TOOLS, SHOULD NEVER BE USED BY PERSONS UNLESS THEY HAVE BEEN TRAINED PROPERLY ACCORDING TO OSHA REGULATION #29CFR 1910.177 ENTITLED "SERVICING SINGLE-PIECE & MULTI-PIECE RIM WHEELS."

STANDARD BORE AIR CHUCKS

CLIP-ON, LOCK-ON, EUROPEAN-STYLE

CH-315 BALL FOOT AIR CHUCK WITH CLIP

3/4" hex, with 1/4" NPT female thread. Heavy-duty spring firmly holds chuck onto valve while inflating tire. **Available for use with tire changers.** Order CH-315-OP.



CH-315

CH-340 LOCK-ON AIR CHUCK

Securely locks onto valve when sleeve is pushed forward. Releases when sleeve is pulled back. 1/4" NPT female thread. **Available for use with tire changers.** Order CH-340-OP.



CH-340

H-5265

The H-5265 is a specially designed air chuck that locks onto the cap threads of a Standard Bore valve stem when the sliding sleeve is pushed to the forward position. The chuck releases when the sleeve is pulled back. **Available for use with tire changers and auto tire inflators.** Order H-5265 OP.



H-5265

CH-305

Ball Foot Air Chuck 3/4" hex, brass with 1/4" NPT female thread. **Available for use with tire changers and auto tire inflators.** Order CH-305-OP.



CH-305



CH-318

CH-318 CHUCK CLIP

For CH-315 and CH-315-OP.

EUROPEAN-STYLE CLIP-ON AIR CHUCKS

CH-320

Very similar to our N-1200 European-style clip-on air chuck. This is a closed-type chuck and offers the best seal available. Has serrated shank for 1/4" I.D. hose.



CH-320

CH-360

This chuck features the popular European-style clip with a brass 1/4" female fitting. Compact, durable and easy to use, this chuck is available either closed (CH-360) or open (CH-360-OP). Use replacement washer LELOC-RUBBER.



CH-360

CH-360S

Includes all the features of our standard CH-360, with the added benefit of a spring loaded deflector pin. Designed specifically to ensure proper seal closure during multi-tire and nitrogen conversion applications.



CH-360S

N-1199

Fits 3/16" hose. Hose-open style.



N-1199

N-1200

Fits 1/4" I.D. hose-open style.



N-1200



CH-300
CH-300-OP

CH-300

The Haltec CH-300 Lock-On Air Chuck with a small head design makes for easy access to hard-to-reach valves on inside dual wheels. The extended head design improves the lock-on feature. Has 1/4" NPT female threads. 6" long.



CH-330-LO
CH-330-LO-OP

CH-330-LO DUAL FOOT AIR CHUCKS

Straight-on 30° reverse angle chuck. Available with the lock-on feature. Has 1/4" NPT female thread. 6" long.

CH-330 Dual Foot Air Chucks: Same as CH-330-LO (above) except without lock-on feature.



CH-333-LO
CH-333-OP

CH-333-LO

Similar to CH-330-LO but with extra long length of 14".



CH-335
CH-335-OP

CH-335 DUAL FOOT AIR CHUCK

Dual foot for hard-to-reach tractor, dual wheel trucks and bus tires. 1/4" NPT female threads. For standard air line service. 6" long.



CH-345
CH-345-OP

CH-345 REVERSE ANGLE LOCK-ON CHUCK

Reverse angle lock-on chuck allows easy access to outer dual valve. Also available in open version. 12" long.



CH-346
CH-346-OP

CH-346 LONG REACH STRAIGHT LOCK-ON CHUCK

Long reach straight lock-on chuck allows for easy access to inner dual valve. Also available in open version. 12" long.



CH-347
CH-347-OP

CH-347 REVERSE ANGLE LOCK-ON CHUCK

Reverse 15° angle lock on chuck allows easy access to outer dual valve. Also available in open version. 7" long.

CH-350-LO

A new design offers greater durability and is more user friendly on the straight-on and 30° reverse angle chuck. This 6" -long chuck finished with an attractive black polyurethane coating has 1/4" NPT female threads.



CH-350-LO
CH-350-LO-OP

CH-355-LO

Similar to CH-350-LO but with extra long length of 14".



CH-355-LO

CH-370-LO

A special air chuck with a straight-on connection and a 180° reverse angle chuck allows easier access to valves located in tight, hard-to-reach places. The CH-370-LO is 6" long and has 1/4" female threads.



CH-370-LO
CH-370-LO-OP

SURE-LOCK VALVE CORE TOOLS

A special design allows the valve core to stay attached to the tool after it is removed from the valve. A great tool to keep the valve core from getting dropped or lost.

SHUR-LOCK VALVE CORE TOOLS

HALTEC NO.	DESCRIPTION	LENGTH
TL-131	Valve Core Tool for Standard Bore Cores	7/8"
TL-132	Valve Core Tool for Cars	2"
TL-133	Valve Core Tool for Trucks	5 1/4"
TL-134	Valve Core Tool for Large Bore Cores	4"



TL-131



TL-132



TL-134



TL-133

TL-686TR

**TL-686TR VALVE CORE TORQUE TOOL**

Tire & Rim Association recommends torque of 3-5 inch/lbs. "Slip-Clutch" mechanism in tool slips after proper torque is reached. Prevents over torquing of valve cores. Also use for core removal.

TL-612

**TL-612 STANDARD BORE CORE TOOL**

With an overall length of 8" and oversized handle, the Haltec TL-612 provides a firm grip for inserting and removing valve cores.

TL-620

**TL-620 STANDARD BORE CORE TOOL**

Plastic handle provides firm grip for inserting and removing valve core.

TL-625

**TL-625 STANDARD BORE VALVE CORE TOOL**

How many times have you pushed the valve core tool through your pocket? Here's a tool with a recessed probe that fits easily in any pocket.

TL-630

**TL-630 HEX NUT DRIVER FOR 500 SERIES TRUCK VALVES**

Installation tool for tubeless clamp-in metal valves. Accommodates all lengths of tubeless truck valves including the TV-574.

TL-632

**TL-632 TRUCK EXTENSION SERVICE TOOL**

This tool tightens both metric (European) and domestic type extensions. This tool is broached to engage the metric hex at the extension top and will reach the hex on a 7" U.S.A.-type extension.

TL-633

**TL-633 VALVE CAP TOOL**

The TL-633 makes it easy to remove and install valve caps on inside dual wheels. Designed for aluminum wheels with small hand holes, it comes with a protective sleeve to prevent scratching. Also works great at removing tight or cross-threaded caps. Positive hold while valve is serviced. Keeps cap in tool. Length 8.25" without handle.

TL-635

**TL-635 STANDARD BORE VALVE CORE TOOL**

Haltec equivalent to Schrader 2688 and Eaton 5406. Tool is made from hex steel, making it very sturdy, yet economical.

TL-640

**TL-640 VALVE CAPPER PRO TOOL**

Now easier to check inside dual tire. No more lost caps, holds onto caps for removing and replacing. Designed for use with metal and plastic valve caps. Works with DS-1 flow through cap. Length 11 3/4 in.

TL-645 VALVE FISHING TOOL

Combines valve core wrench and deflating pin with flexible cable for fishing valve through rim hole. Available in 24" - TL-645-24.

TL-645

**TL-650 FISHING TOOL**

Guides, aligns and holds valve through valve hole while mounting tire. 10" length.

TL-650

**TL-665 VALVE STEM INSTALLATION TOOL**

Rugged tool handles any length valve in any size rim. Screws over valve threads and quickly installs valve into valve hole by applying pulling pressure.

TL-665

**TL-610 STANDARD BORE 4-WAY VALVE TOOL**

Repairs and reconditions inside and outside valve threads. Inserts and removes cores. Corrosion-resistant, cadmium-plated.

TL-610

**TL-615 STANDARD BORE 2-IN-1 VALVE TOOL**

Combination valve core remover and deflator. Corrosion-resistant, cadmium-plated.

TL-615

**ASP-1 TUBE STANDARD BORE DEFLATING ASPIRATOR**

Creates vacuum by screwing aspirator onto valve mouth and applying air chuck to threaded inlet. Fits Standard Bore valves.

ASP-1

**VP-CT VALVE PAL CORE REMOVER TOOL**

Designed to fit in the tip of "The Original Valve Pal" to reach the inside dual tire stem.

VP-CT

**VP-15 VALVE PAL
VP-8 VALVE PAL JR.**

Tool removes and reinstalls standard valve caps.

VP-15

**TL-685 CORE INSTALLATION TOOL**

5" length.

FITS LARGE BORE

FITS STANDARD BORE

TL-685





I-405-3LOM

NEW

I-440

I-405 INFLATING GAUGE

Meets OSHA Requirements. Inflation unit with in-line gauge. Lightweight aluminum body with brass calibration bar and O-rings seals. Calibrated 10-120 PSI in 2-lb. increments - precise inflation control - 1/4" female NPT inlet with CH-360-OP clip-on air chuck. Also available with hose lengths of 3' or 9'. Specify length when ordering.

I-405-LO INFLATING GAUGE

Same as I-405 above except with CH-330-LO lock-on chuck for use on aluminum wheels.

I-440 INFLATING GAUGE

Meets OSHA Requirements. Inflation unit with in-line gauge. Lightweight aluminum body with enclosed gauge bar read through site glass. Calibrated 10-120 PSI in 2-lb. increments - precise inflation control - 1/4" female NPT inlet with CH-360-OP clip-on air chuck. Also available with hose lengths of 3' or 9'. Specify length when ordering.

HALTEC NO.	DESCRIPTION	HOSE LENGTH	AIR CHUCK
I-405-3M	Inflator with Clip-on Air Chuck	3'	CH-360-OP
I-405-6M	Inflator with Clip-on Air Chuck	6'	CH-360-OP
I-405-9M	Inflator with Clip-on Air Chuck	9'	CH-360-OP
I-405-12M	Inflator with Clip-on Air Chuck	12'	CH-360-OP
I-405-3LOM	Inflator with Lock-on Air Chuck	3'	CH-330-LO-OP-1
I-405-6LOM	Inflator with Lock-on Air Chuck	6'	CH-330-LO-OP-1
I-405-9LOM	Inflator with Lock-on Air Chuck	9'	CH-330-LO-OP-1
I-405-12LOM	Inflator with Lock-on Air Chuck	12'	CH-330-LO-OP-1
I-440-3	Inflator with Clip-on Air Chuck	3'	CH-360
I-440-6	Inflator with Clip-on Air Chuck	6'	CH-360
I-440-9	Inflator with Clip-on Air Chuck	9'	CH-360
I-440-12	Inflator with Clip-on Air Chuck	12'	CH-360



I-406M

I-406M INFLATING GAUGE

Has 12" of hose and CH-335 dual foot air chuck to service small diameter wheels. Gauge is calibrated 10-120 PSI in 2-lb. increments.

AIR MASTER DIAL GAUGE

Haltec Air Master Dial Gauge comes in a variety of hose lengths and chuck types to meet the varied needs of the tire professional. The inflator is compact with an ergonomic design that makes the gauge comfortable to operate and easy to use. One lever allows the operator to inflate or deflate. The gauge reads from 0 to 170 PSI in 2 pound increments and is also calibrated from 0 to 10 bars in .1 bar increments. The dial gauge is protected with a ribbed rubber shroud.

HALTEC NO.	DESCRIPTION	HOSE LENGTH	AIR CHUCK
I-520	Dial Gauge Inflator	16'	N-1200
I-515-3	Dial Gauge Inflator	3'	CH-360-OP
I-515-6	Dial Gauge Inflator	6'	CH-360-OP
I-515-9	Dial Gauge Inflator	9'	CH-360-OP
I-515-12	Dial Gauge Inflator	12'	CH-360-OP
I-530-3	Dial Gauge Inflator	3'	CH-330-LO-OP-1
I-530-6	Dial Gauge Inflator	6'	CH-330-LO-OP-1
I-530-9	Dial Gauge Inflator	9'	CH-330-LO-OP-1
I-530-12	Dial Gauge Inflator	12'	CH-330-LO-OP-1



I-515-6

I-450 DIGITAL INFLATION GAUGE

Easy to read digital inflation unit calibrated from 0 to 150 PSI in 0.5 PSI increments. Available in a variety of hose lengths and chuck types to meet your needs. Entire body is protected with a rubber cover. The LCD readout is backlit for ease of reading in dark areas and the battery is replaceable.



I-450

I-6017 INFLATION GAUGE

12" flexible hose with 1/4" NPT inlet and standard bore inflation tip. Precise inflation control, 10-90 lbs. in 2-lb. increments.

- Chrome-plated Body
- Plated Steel Handle
- All brass internal parts
- Solid brass triangular gauge for easier reading



I-6017

RI-250-20 REMOTE MOUNT REGULATED INFLATOR

Ideal for wall or post mounting.

- Unattended inflation to set pressure
- Quick disconnect to stop inflation and deflate the tire in an emergency
- On/off ball valve to start and stop inflation
- 1/4" NPT inlet



RI-250-20

I-401



I-401 EXTRA HEAVY-DUTY LARGE BORE INFLATOR WITH STRAIGHT CLIP-ON CHUCK

Five-foot Large Bore inflator has 1/2" ball valve with provision for checking air pressure and H-4660A straight lock-on chuck. Rubber hose is 5' long. Inflator has a 3/8" I.D. for maximum air flow. Threaded for 1/2" male NPT hose fittings.

I-400 LARGE BORE INFLATOR

Same as I-401 below except with 10013 Large Bore screw-on chuck.

I-402



I-402 SERIES SAFETY INFLATOR

Available in 3' and 6' lengths. Has pressure check valve for exact pressure check with your pencil gauge. Has manual bleed valve for adjusting tire pressure and CH-360-OP flow-through clip-on chuck.

I-404



I-404 HEAVY-DUTY HOSE INFLATOR

Heavy-duty inflator has two separate clip-on chucks with five-foot hoses. One chuck, CH-360, fits Standard Bore valves and the other, H-4660A, Large Bore valves. Has spring-loaded, hand-operated valve and has provisions for checking air pressure during inflation. Threaded for 1/4" male NPT hose fittings.

I-408



I-408 DUAL TIRE INFLATOR GAUGE

Has five-foot hose to a tee connection, 2' of hose on each side with 12" sliding sleeve, lock-on chuck for easy access to inner dual and reverse angle lock-on chuck for outer dual tire. Allows user to engage and disengage chuck quickly. As the same air source serves the unit, both tires are automatically inflated equally. Lock-on chuck fits any standard truck valve stem or the DS-1 double seal cap.

I-409



I-409 LARGE BORE INFLATION GAUGE

Large Bore inflation unit with in-line gauge. Equipped with H-4660A chuck and a 6' hose. Gauge is calibrated 10-120 PSI in 2-lb. increments.

I-350-20

Has 1/2" ball valve with dial gauge for checking pressure. Equipped with safety coupler for releasing the pressure in case of an emergency. 1/2" NPT connection, 3/8" ID for maximum air flow.

I-350-20



I-340-20

Has 1/2" ball valve with gauging port for checking pressure. Equipped with safety coupler for releasing the pressure in case of an emergency. 1/2" NPT connection, 3/8" ID for maximum air flow.

I-340-20



I-496-20 IN-95 INFLATOR W/20' HOSE

Safely removes operator away from blast zone by using the 15' hose. Shut-off valve (ball valve) enables operator to stop inflation for proper tire inspection. Includes IN-95 and three additional unions to adapt different sizes, such as SLB, MB & ZB.

I-496-20



TECH TIP

THESE PRODUCTS, AS WELL AS ALL TIRE TOOLS, SHOULD NEVER BE USED BY PERSONS UNLESS THEY HAVE BEEN TRAINED PROPERLY ACCORDING TO OSHA REGULATION #29CFR 1910.177 ENTITLED "SERVICING SINGLE-PIECE & MULTI-PIECE RIM WHEELS."

FEATURES AND BENEFITS OF ALL HALTEC AUTOMATIC TIRE INFLATORS:

- Custom faceplates with corporate logo and color available
- All Haltec Automatic Tire Inflators can be hardwired and mounted to mobile service trucks
- Systems confirm calibration every six minutes when in use and every time they are powered on
- Accurate to +/- 0.3 PSI
- Die cast aluminum housing provides strongest protection and durability to protect against weather and abuse
- International Protection Rating; IP66, provides complete weather protection (except submersions)
- Automatically inflates or deflates to target PSI when attached to tire position
- All systems can be programmed to specific PSI parameters to help organizations better manage consistent and accurate tire inflation
- Wirelessly receives/transmits gauged and corrected pressures via Bluetooth, ZigBee, or hardwired to PC
- All Haltec automatic tire inflation systems are designed to be operated with specified Haltec air chucks
- Nitrogen compatible. PSI is PSI, accuracy is main goal.
- All systems allow technician remote control of inflation/deflation process, keeping themselves out of "blast zone" of tire



89XDA AUTOMOTIVE INFLATOR; IDEAL FOR VEHICLE SERVICE CENTERS, AUTO- MOBILE DEALERSHIPS AND RENTAL FACILITIES.

- 1/4" inlet & outlet
- Operating range: 5-145 PSI



89MXA INDOOR ONLY INFLATOR; IDEAL FOR TIRE CAGES & TIRE CHANGERS.

- Compact design for easy mounting
- 1/4" inlet & outlet
- Operating range: 5-145 PSI



89TOW-2R & 89TOW-4Y MULTIPLE TIRE INFLATION TOWER IDEAL FOR MULTIPLE TIRE SERVICING.

- 1/4" & 1/2" inlet/outlet
- Operating range: 5-145 PSI
- Inlet pressure gauge

NEW



89TOW-2R

89TOW-4Y



89XDB HIGH VOLUME INFLATOR; IDEAL FOR FLEET OPERATIONS, TIRE SERVICE CENTERS AND TIRE MOUNTERS.

- Designed specifically for inflating large OTR tires
- 1/2" inlet/outlet
- Operating range: 5-145 PSI



89XDZ OVER INFLATOR; IDEAL FOR RETREAD CENTERS, TIRE SERVICE CENTERS AND TIRE MOUNTERS.

- Leak detection test
- Equipped with emergency stop control
- Multiple purge cycle setting
- Dual LCD screens
- 1/2" inlet/outlet
- Operating range: 5-145 PSI



89XHB HIGH PRESSURE INFLATOR; SPECIFICALLY DESIGNED TO INFLATE ON 19.5" RIMS AND LARGER OR MULTIPLE TRUCK TIRES.

- Equipped with higher rated pressure sensor
- 1/2" inlet/outlet
- Can be adjusted from 5-188 PSI pressure in 1 PSI increments



89XDH AIRCRAFT INFLATOR; SPECIFICALLY DESIGNED FOR HIGH PRESSURE TIRE INFLATION FOR THE AIRCRAFT INDUSTRY.

- Dual LCD screens indicate gauged and targeted pressure
- Inlet pressure gauge
- Equipped with emergency stop control
- Battery operated lasts 5-10 days
- Simple 110V connection to charge
- Operating range: 10-305 PSI

89-F17 MOBILE AIRCRAFT INFLATION CART IDEAL FOR MOBILE AIRCRAFT TIRE SERVICING.

NEW

- Two high cylinder nitrogen tanks
- Can be used with all Haltec inflators



Please contact your Haltec aviation account manager for a list of approved high pressure air chucks.

89XTC TEMPERATURE COMPENSATING INFLATOR; SPECIFICALLY DESIGNED FOR OTR INDUSTRIAL, MINING AND CONTINUOUS OPERATION AP- PLICATIONS.

- 1/2" inlet
- Weather-proof hardware to withstand high impact, heavy use
- Wet and dry tire pressure compensation for normal and liquid filled tires
- Easily adjustable base/ambient temperature setting to optimize for any environment
- Wireless temperature transmitter
- Operating range: 5-145 PSI



89MTIS-5 MULTIPLE TIRE INFLATION SYSTEM (5WAY)



To reorder chuck replacement kit use part # 89MTIS-CHKITA
Included accessories with purchase of system:



IDEAL FOR MULTIPLE TIRE SERVICING.

- Inflates up to 5 wheels simultaneously at a 5-145 psi pressure
- Semi pneumatic locking swivel wheel
- Color Coded 1/4" inflation hose
- 1/2" and 1/4" inlet/outlet
- Suitable for use with standard or large bore valves and core extraction tools
- Inlet pressure gauge
- Dual LCD screens indicate gauged & targeted pressure



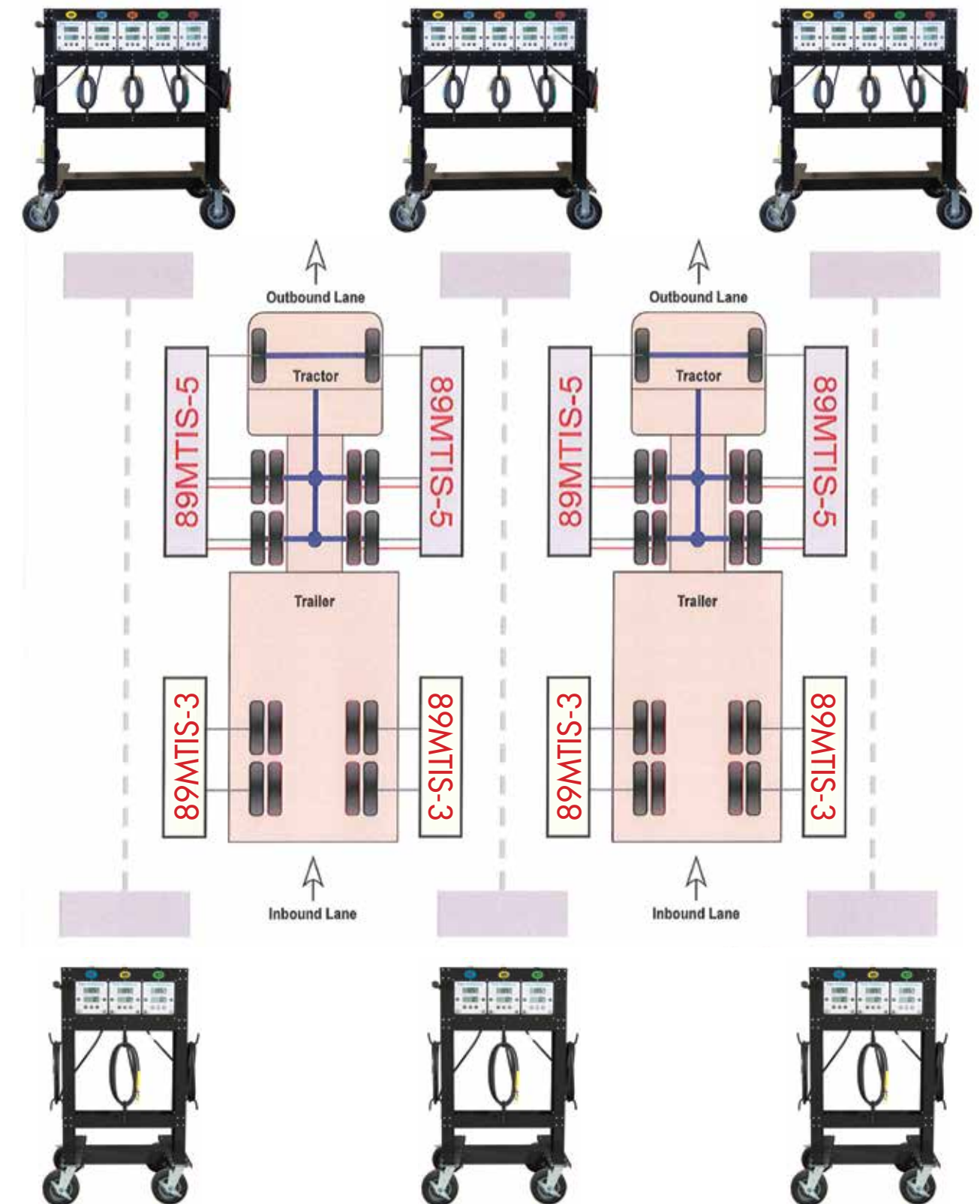
89MTIS-3 MULTIPLE TIRE INFLATION SYSTEM (3WAY)



To reorder chuck replacement kit use part # 89MTIS-3CHKITA



DOUBLE BAY CONFIGURATION





89PIU

89PIU HAND PORTABLE INFLATOR;
IDEAL FOR SERVICE TRUCKS AND OPERATIONS THAT REQUIRE A MOBILE INFLATION SOLUTION.

- Smallest portable inflator
- Single tire inflation
- Durable and light weight
- 1/4" Inlet & outlet
- Operating Range: 5-145 PSI

NEW



89-PDI-R

89-PDI-R PORTABLE DUAL SCREEN INFLATOR
IDEAL FOR SERVICE TRUCKS AND OPERATIONS THAT REQUIRE A MOBILE INFLATION SOLUTION.

- Durable and light weight
- 1/4" inlet/outlet
- Operating range: 5-145 PSI



89TRL-6B

89TRL-6B MOBILE INFLATOR;
IDEAL FOR QUICK LUBE CENTERS AND AUTO DEALERSHIPS.

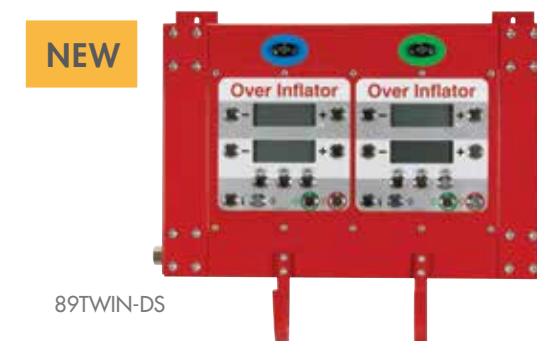
- Ability to service 1-6 tires simultaneously
- 1/4" Inlet & outlet
- Operating Range: 5-145 PSI
- To order with internal charger use part # 89TRL-6B-IC



89TWIN

89TWIN DUAL TIRE INFLATION SYSTEM;
IDEAL FOR SERVICE CENTERS AND MOUNTING FACILITIES.

- Inflates 1-2 wheels simultaneously
- 3 pre-set pressure options with inflation override button
- 1/2" inlet/outlet



89TWIN-DS

89TWIN-DS DUAL SCREEN TIRE INFLATION SYSTEM;
IDEAL FOR SERVICE CENTERS AND MOUNTING FACILITIES.

- Dual LCD screens indicate gauged and target pressure
- 1/2" inlet/outlet
- Operating range: 5-145 PSI

EASY LOCK AIR CHUCK

SEALS EASY & LOCKS TIGHT THE FIRST TRY!

ES-311 CLOSED
ES-312 OPEN

3" CHUCK STRAIGHT



"EASY LOCK" AIR CHUCK

- Easy on/off application, custom coupler lock with slide release
- Automatic locking-design chuck
- Hardened steel pins for increased service life
- Improves seal on DS-1 flow-through caps
- Extended reach for dual wheels
- Available open or closed

USA
DESIGNED
ENGINEERED &
MANUFACTURED

ES-313 CLOSED
ES-314 OPEN

6" CHUCK STRAIGHT



ES-307 CLOSED
ES-308 OPEN

8" CHUCK WITH 15° REVERSE ANGLE



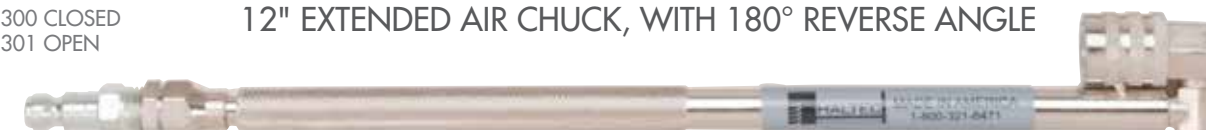
ES-309 CLOSED
ES-310 OPEN

12" EXTENDED CHUCK WITH 15° REVERSE ANGLE



ES-300 CLOSED
ES-301 OPEN

12" EXTENDED AIR CHUCK, WITH 180° REVERSE ANGLE



custom coupler lock with slide release

ES-305 CLOSED
ES-306 OPEN

12" EXTENDED AIR CHUCK, STRAIGHT



TECH TIP

WHEN OPERATING DUAL WHEELS, AN INFLATION MISMATCH GREATER THAN 5PSI CREATES SIGNIFICANT DIFFERENCE IN THE CIRCUMFERENCE OF THE TIRES. THE TIRES WILL TRAVEL IN THE SAME DISTANCE IN A SINGLE REVOLUTION; HOWEVER THE LARGER TIRE WILL DRAG THE SMALLER TIRE. THIS PROCESS RESULTS IN CONSIDERABLY GREATER TREAD WEAR ON THE SMALLER TIRE.

DURING TESTING, THE 5PSI DIFFERENTIAL BETWEEN THE DUAL WHEELS, CREATED A 5/16" CIRCUMFERENCE DIFFERENCE BETWEEN THE TIRES. THIS CIRCUMFERENCE DIFFERENCE RESULTS IN THE LARGER TIRE DRAGGING THE SMALLER TIRE 13 FEET IN A SINGLE MILE. OVER THE COURSE OF A TYPICAL 100,000 MILE YEAR THE TIRE IS BEING DRAGGED 246 MILES

PLEASE KEEP IN MIND, THE ABOVE EXAMPLE IS BASED ON A 5PSI DIFFERENTIAL BETWEEN ONE SET OF DUAL TIRES. IMAGINE THE TIRE WEAR RESULTS WHEN, IN MOST CASES, THE PSI DIFFERENCE IS GREATER AND THE FLEET OWNS MULTIPLE SETS OF DUAL WHEELS.



AUTOMATIC TIRE INFLATION SYSTEM ACCESSORIES
FOR 89MXA (RED) & 89XDA (BLUE) (SINGLE TIRE)

HALTEC NO.	PRODUCT DESCRIPTION
89HKC-12	12' Straight hose w/coupler & CH-360OP air chuck
89HKC-24	24' Straight hose w/coupler & CH-360OP air chuck
89HKC-50	50' Straight hose w/coupler & CH-360OP air chuck
89HKC-25C	25' Blue coil hose w/coupler & CH-360OP air chuck
89HKC-50C	50' Blue coil hose w/coupler & CH-360OP air chuck
89HKT-12	12' Straight hose w/coupler & CH-330 LO-OP air chuck
89HKT-24	24' Straight hose w/coupler & CH-330 LO-OP air chuck
89HKT-50	50' Straight hose w/coupler & CH-330 LO-OP air chuck
89HKI-25	25' Straight hose w/coupler & IN-20 air chuck
89-2 WASV	2-way automatic switching valve (2 hoses)
89-3 WASV	3-way automatic switching valve (3 hoses)
89-3 WTK	3-way automatic switching valve kit (tubing system)
CH-360OP-1	Clip-on style air chuck (open)
CH-330-LO-OP	Lock-on style air chuck (Dual Wheels)
IN-20	Core removing & inflation tool (Car)

SVL-STND Black stand with swivel head for automatic tire inflator
*Custom hose lengths available upon request.

AUTOMATIC TIRE INFLATION SYSTEM ACCESSORIES
FOR 89XDB (YELLOW) & 89XDZ (RED) & 89XHB

HALTEC NO.	PRODUCT DESCRIPTION
89HKC-12M	12' Straight hose w/CH-360S air chuck
89HKC-24M	24' Straight hose w/CH-360S air chuck
89HKT-12M	12' Straight hose w/CH-330-LO air chuck
89HKT-24M	24' Straight hose w/CH-330-LO air chuck
89HVI-25	25' Straight hose w/coupler & IN-20 air chuck (Single Tire Application)
89-HMVN	4-way manifold
89-3W	Air flow control valve
CH-360S	Clip-on style air chuck (closed) with spring.
CH-330-LO	Lock-on style air chuck (Dual Wheels)

NITRO-1 NITROGEN PURITY GAUGE

- Accurate and easy to use
- Compact and ergonomic in design
- Simple to operate, one button design
- Battery charge indicator
- Auto-power off function
- Replaceable battery and sensor
- Auto diagnostic with error code to simplify troubleshooting



IN-20 CORE REMOVAL & INFLATION TIRE CHUCK

- Ideal for quick lube centers and auto dealerships.
- Reduces inflation time by 50%
 - Features a clip-on style chuck
 - Made of Durable steel, brass & plastic
 - 1/4 Female NPT allows easy attachment to air hose
 - Ideal for nitrogen purging and inflation
 - Retractable core housing allows safe removal & replacement of valve core

IN-20-LO

Same as IN-20 but with a more secure lock-on style chuck



Part#	Product Description
Inflator and hose combinations highlighted in blue are ideal for vehicle service centers, automobile dealerships, and rental facilities.	
89MXA	Single Tire, Automatic Inflator w/ Heavy Duty Plastic Housing
89HKC-24	24' Hose with CH-360-OP
Inflator and hose combinations highlighted in green are ideal for tire cages and tire changers.	
89XDA	Single Tire, Automatic Inflator w/ Heavy Duty Die Cast Aluminum Enclosure
89HKC-24	24' Hose with CH-360-OP
Inflator and accessory combinations in yellow are ideal for fleet operations, tire service centers and tire mounters.	
89XDB	High Volume Automatic Tire Inflator w/ 1/2" Valve Block
CH-360S	Spring Loaded CH-360
CH-360S	1/2" Manifold for 89HV
89HVT-20	20 ft. Hose with CH-330-LO-OP / 89XDB
Inflator and accessories in red are ideal for retread centers, tire service centers and tire mounters.	
89XDZ	Heavy Duty Automatic Over Inflator
89HVI-25	25' Straight hose w/coupler & IN-20 air chuck (Single Tire Application)

SAFETY!

NITROGEN MOLECULES LEAK THROUGH YOUR TIRE 3-4 TIMES SLOWER THAN THE SMALLER OXYGEN MOLECULES. ULTIMATELY, MAINTAINING YOUR VEHICLE'S REQUIRED INFLATION PRESSURE REDUCES TIRE WEAR, INCREASES YOUR FUEL MILEAGE, AND PROVIDES BETTER VEHICLE PERFORMANCE.

NEW

HALTEC WHEEL CARE TORQUE CONTROL SYSTEM

- Only 11 lbs!
- No Internal Moving Parts + Modular assembly
- Extended life-time + cost efficient & targeted maintenance
- Keep a spare 2 lb. transducer - Replace in under 60 seconds!
- On-board Smart-tag points to training videos, user-manuals & calibration information
- No springs - No adjustment needed!

*Contact Haltec for a Customized Torque Solution



Truck Number: **H471**

Trailer Number: **H1324**

Date: **7/16/15**

Tire Observations: **Tire Number**

Low Pressure: **T6**

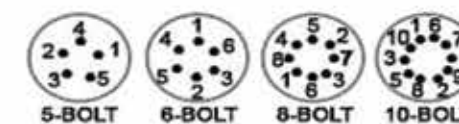
No Valve Cap: **D5, T6**

Object in Tire: **T6**

Cut Tire: **D5**

Comments:

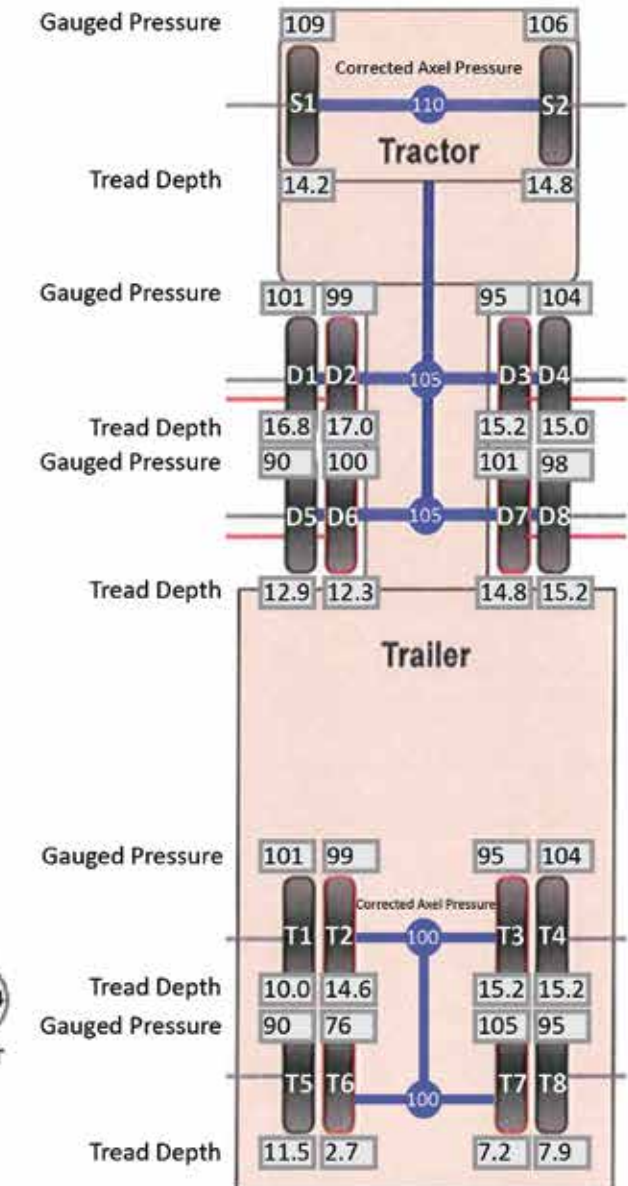
Dual tire mismatch T5-T6
Low tire T6
Nail in tire T6
Trailer tail light out
Trailer marker light out



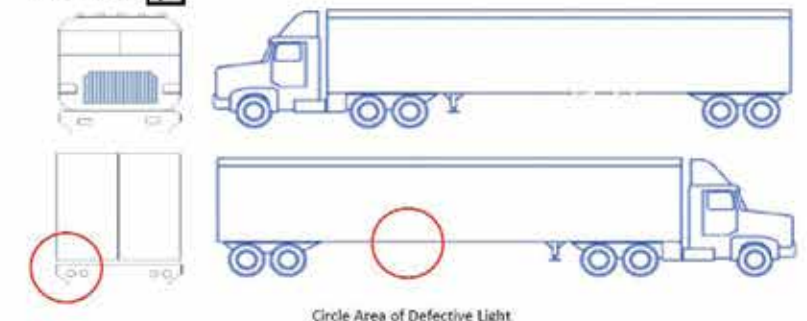
Torque Inspection: ☒

Contact Haltec today
for your customized
Fleet Inspection
Report!

HALTEC FLEET INSPECTION REPORT



Light Check: ☒



Haltec couplers and nipples are long-lasting, high performance products. They are rated for pressure up to 300 PSI with an operating temperature range of -40° F to +250° F. The 1/4" couplers have a 4-ball locking device while the 3/8" and 1/2" series offer an 8-ball locking device. The nipples have hardened wear points and are made from solid barstock construction to provide long service life. Made in the USA.



1/4" TRU-FLATE TYPE

HALTEC NO.	DESCRIPTION	NPT	THREAD TYPE	SCHRADER	DILL	AMFLO	CAMEL	MILTON	TRU-FLATE
CO-101	Coupler	1/4"	Male	3503	D-12	C1	61-524	786	13-124
CO-103	Coupler	1/4"	Female	3504	D-13	C2	61-523	785	13-134
CO-105	Coupler	1/4"	Female	3505	-	C2R	61-487	-	-
NI-102	Nipple	1/4"	Male	3506	D-2C	CP1	61-538	783	12-124
NI-104	Nipple	1/4"	Female	3507	D-3C	CP2	61-539	784	12-134
NI-106	Nipple	fits 302"-32	Female	3508	D-6C	CP12	-	779	12-104



1/4" ARO TYPE

HALTEC NO.	DESCRIPTION	NPT	THREAD TYPE	SCHRADER	DILL	AMFLO	CAMEL	MILTON	TRU-FLATE
CO-501	Coupler	1/4"	Female	3526	8888	C38	61-526	775	13-324
NI-502	Nipple	1/4"	Male	3529	8891	CP37	61-528	777	12-325
NI-504	Nipple	1/4"	Female	3530	8889	CP38	61-529	778	12-335



1/4" LINCOLN TYPE

HALTEC NO.	DESCRIPTION	NPT	THREAD TYPE	SCHRADER	DILL	AMFLO	CAMEL	MILTON	TRU-FLATE
CO-701	Coupler	1/4"	Female	3528	123	C28	61-548	790	13-434
NI-702	Nipple	1/4"	Male	3531	126	CP27	61-550	791	12-424
NI-704	Nipple	1/4"	Female	3532	125	CP28	61-551	792	12-434



1/4" INDUSTRIAL TYPE

HALTEC NO.	DESCRIPTION	NPT	THREAD TYPE	SCHRADER	DILL	AMFLO	CAMEL	MILTON	TRU-FLATE
NI-202	Nipple	1/4"	Male	5138-11	110	CP21	61-578	727	12-225
CO-301	Coupler*	1/4"	Female	5138-12	-	-	-	-	-
NI-204	Nipple	1/4"	Female	5139-11	109	CP20	61-579	728	12-235
CO-303	Coupler*	1/4"	Male	5139-12	-	-	-	-	-
CO-201	Coupler	1/4"	Female	5142-12	102	C20	61-573	715	13-235



3/8" INDUSTRIAL TYPE

HALTEC NO.	DESCRIPTION	NPT	THREAD TYPE	SCHRADER	DILL	AMFLO	CAMEL	MILTON	TRU-FLATE
CO-204	Coupler	3/8"	Female	3541	117	C26	61-482	1835	13-537
NI-206	Nipple	3/8"	Male	3542	121	CP25	61-484	1837	12-527
NI-208	Nipple	3/8"	Female	3543	122	CP26	61-485	1838	-



3/8" TRU-FLATE TYPE

HALTEC NO.	DESCRIPTION	NPT	THREAD TYPE	SCHRADER	DILL	AMFLO	CAMEL	MILTON	TRU-FLATE
CO-107	Coupler	3/8"	Male	3515	-	C5	61-554	1806	13-107
CO-109	Coupler	3/8"	Female	3516	D-15	C6	61-553	1805	13-613
NI-108	Nipple	3/8"	Male	3517	D-2E	CP5	61-558	1807	12-605
NI-110	Nipple	3/8"	Female	3518	D-3E	CP6	61-559	1808	12-612



1/2" TRU-FLATE TYPE

HALTEC NO.	DESCRIPTION	NPT	THREAD TYPE	SCHRADER	DILL	AMFLO	CAMEL	MILTON	TRU-FLATE
CO-111	Coupler	1/2"	Female	3512	D-17	C10	61-563	1815	13-713
CO-111R	Coupler	1/2"	Female	D-17R	C10R	-	-	-	13-712/713
NI-112	Nipple	1/2"	Male	3513	D-2F	CP9	61-568	1817	12-705
NI-113	Nipple	1/2"	Female	-	-	CP18	-	1858	12-762
CO-112	Coupler	1/2"	Male	-	-	-	-	-	-

UNIVERSAL COUPLERS

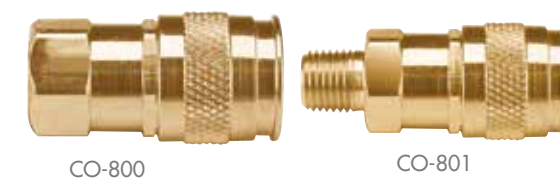
HALTEC NO.	DESCRIPTION	NPT	THREAD TYPE	SCHRADER	DILL	AMFLO	CAMEL	MILTON	TRU-FLATE
CO-800	Coupler	1/4" - 18 NPTF	Female	-	-	C60	61-240	-	-
CO-801	Coupler	1/4" - 18 NPTF	Male	-	-	C61	61-241	-	-

FEATURES:

- The 1/4" universal coupler will accept the industrial interchange [(MIL-C4109) and (ANSI/(NFPA) T3.20.14-1990)] Tru-Flate and the ARO style nipples.
- The coupler features automatic push-to-connect operation, high flow machined "window valve," corrosion-resistant, solid-brass construction and

a sleeve guard which helps prevent accidental disconnects and protects the sleeve from damage.

- While the best quick-coupling performance is obtained by matching like series couplers and nipples, the universal coupler permits multiple series nipples to mate with one coupler.





GL-0014 GL-0502 GL-0505 GL-0097



GL-0016 GL-0017 GL-0026 GL-0027



GL-0031 GL-0093 GL-0132 5120



GL-0098 GL-0504 GL-0510



GL-0052 GL-0053 GL-0058 GL-0059



GL-5916 GL-0423



GL-0044 GL-0051 GL-0055 GL-0056

LIGHT DUTY 7/16" - 20

HALTEC NO.	HEX	HEIGHT	DEGREE	PLATING	NOTES
GL-0014	3/4"	9/16"	60	Zinc	
GL-0502	3/4"	1.4"	60	Chrome	Bulge
GL-0505	13/16"	1.4"	60	Chrome	Bulge
GL-0097	13/16"	1.4"	60	Chrome	Acorn

LIGHT DUTY 1/2" - 20

HALTEC NO.	HEX	HEIGHT	DEGREE	PLATING	NOTES
GL-0016	13/16"	5/8"	60	Zinc	
GL-0017	13/16"	5/8"	90	Zinc	
GL-0026	3/4"	9/16"	60	Zinc	L.H. Thread
GL-0027	3/4"	9/16"	60	Zinc	
GL-0031	13/16"	5/8"	60	Zinc	L.H. Thread
GL-0093	13/16"	59/64"	60	Zinc	
GL-0132	13/16"	1.2"		Zinc	Ford
5120	7/8"	1 1/8"	60	Zinc	
GL-0098	13/16"	1.4"	60	Chrome	
GL-0504	3/4"	1.4"	60	Chrome	Bulge
GL-0510	13/16"	1.4"	60	Chrome	Bulge

LIGHT DUTY 9/16" - 18

HALTEC NO.	HEX	HEIGHT	DEGREE	PLATING	NOTES
GL-0052	7/8"	3/4"	60	Zinc	
GL-0053	1"	11/16"	90	Zinc	
GL-0058	1 1/16"	21/32"	90	Zinc	
GL-0059	1 1/16"	21/32"	90	Zinc	L.H. Thread
GL-5916	7/8"	1 1/8"	60	Zinc	Same as GL-0161
GL-0423	7/8"	1.5"	60	Stainless	Chrysler

LIGHT DUTY 5/8" - 18

HALTEC NO.	HEX	HEIGHT	DEGREE	PLATING	NOTES
GL-0044	1 1/16"	21/32"	60	Zinc	
GL-0051	1 1/16"	29/32"	90	Zinc	
GL-0055	1"	21/32"	90	Zinc	
GL-0056	1"	21/32"	90	Zinc	L.H. Thread

COMPLETE CATALOG AVAILABLE UPON REQUEST.
PART NUMBER INTERCHANGE AVAILABLE UPON REQUEST.



GL-0596



GL-0064



GL-0065



GL-0500



GL-0508



GL-0099



GL-0062



GL-0063



GL-0066



GL-0072



GL-0085



GL-0109



GL-0506



GL-0509



GL-0100



GL-0512



GL-0110



GL-0115



GL-0309



GL-0427



GL-0428

LIGHT DUTY M10 - 1.25

HALTEC NO.	HEX	HEIGHT	DEGREE	PLATING	NOTES
GL-0596	21mm	1.4"	60	Chrome	

LIGHT DUTY M12 - 1.25

HALTEC NO.	HEX	HEIGHT	DEGREE	PLATING	NOTES
GL-0064	19mm	16mm	60	Zinc	
GL-0065	21mm	16mm	60	Zinc	
GL-0500	19mm	1.4"	60	Chrome	Bulge
GL-0508	21mm	1.4"	60	Chrome	Bulge
GL-0099	21mm	1.4"	60	Chrome	

LIGHT DUTY M12 - 1.5

HALTEC NO.	HEX	HEIGHT	DEGREE	PLATING	NOTES
GL-0062	19mm	14mm	60	Zinc	
GL-0063	19mm	23mm	60	Zinc	
GL-0066	21mm	16mm	60	Zinc	Bulge
GL-0072	21mm	18mm	60	Zinc	
GL-0085	19mm	22mm		Zinc	
GL-0109	19mm	30mm	60	Zinc	
GL-0506	19mm	1.4"	60	Chrome	Bulge
GL-0509	21mm	1.4"	60	Chrome	Bulge
GL-0100	21mm	1.4"	60	Chrome	

LIGHT DUTY M14 - 1.5

HALTEC NO.	HEX	HEIGHT	DEGREE	PLATING	NOTES
GL-0512	21mm	1.4"	60	Chrome	Bulge
GL-0110	7/8"	20mm	60	Zinc	
GL-0115	22mm	28.5mm	60	Zinc	
GL-0309	21mm	16mm	60	Zinc	
GL-0427	21mm	1.4"	60	Stainless Cap	
GL-0428	21mm	1.7"	60	Stainless Cap	



INNER CAP NUTS FOR STEEL & ALUMINUM WHEELS

RIGHT HAND PART NO.	LEFT HAND PART NO.	DESCRIPTION	GRADE	FINISH	OUTER THREAD	INNER THREAD	OVERALL LENGTH	REPLACES
GL-1001	GL-1002	Standard Inner Cap Nut for Dual Steel Wheels	8.2	Yellow Dichromate	1 1/8" - 16	3/4" - 16	2 7/32"	Budd - 10708/9 Dayton - 13-3005R/L BWP - M128/9 Euclid - 7895R/L Leland - W694/5
GL-1003	GL-1004	Standard for Steel Inner & Aluminum Outer Wheel Combinations	8.2	Yellow Dichromate	1 1/8" - 16	3/4" - 16	2 9/16"	Budd - 35336/7 Dayton - 13-3028R/L BWP - M130/1 Euclid - 7896R/L Leland - W620/1
GL-1005	GL-1006	Longer Inner Nut for Steel Inner & Aluminum Outer Wheel Combinations	8.2	Yellow Dichromate	1 1/8" - 16	3/4" - 16	3 1/16"	Budd - 22621/2 Dayton - 13-3029R/L BWP - M132/3 Euclid - 7897R/L Leland - W107/8
GL-1007	GL-1008	Heavy Duty Off-Highway Applications	8.2	Yellow Dichromate	1 5/16" - 12	15/16" - 12	3"	Budd - 49414/5 Dayton - 13-3010R/L BWP - M140A/B Euclid - 7898R/L Leland - W694/5
GL-1009	GL-1010	For Hino & Isuzu	8.2	Yellow Dichromate	M30 -1.5	M20 -1.5	M-62 (2 7/16")	Dayton - 13-3130R/L Hino - 9004-23101/24101 Euclid - 10253R/L Leland - W720/1 Navistar - 43212Z5025R/L
GL-1011	GL-1012	Inner Cap Nut for Dual Aluminum Wheels	8.2	Yellow Dichromate	1 1/8" - 16	3/4" - 16	3 1/16"	ALCOA - 5988R/L Dayton - 13-3026R/L BWP - M2400/1 Euclid - 5988R/L Leland - W486/7

OUTER CAP NUTS FOR DUAL MOUNTED WHEELS

RIGHT HAND PART NO.	LEFT HAND PART NO.	DESCRIPTION	GRADE	FINISH	INNER THREAD	HEX	HEIGHT	REPLACES
GL-2001	GL-2002	Standard Outer Nut for Dual Wheels	8	Yellow Dichromate	1 1/8" - 16	1 1/2"	7/8"	Budd- 37891/2 Dayton - 13-3012R/L BWP - M126/7 Euclid - 5977R/L Leland - W746/7



GL-2001

OUTER CAP NUTS FOR SINGLE MOUNTED WHEELS

RIGHT HAND PART NO.	LEFT HAND PART NO.	DESCRIPTION	INNER THREAD	HEX	HEIGHT	REPLACES
GL-2101	GL-2102	Standard Cap Nut for Single Wheels	3/4" - 16	1 1/2"	7/8"	Budd - 37888/9 Dayton - 13-3013R/L BWP - M124/5 Euclid - 5652R/L Leland - W15/6



GL-2101

COMPLETE CATALOG AVAILABLE UPON REQUEST.
PART NUMBER INTERCHANGE AVAILABLE UPON REQUEST.



ONE PIECE FLANGE NUTS

PART NO.	DESCRIPTION	INNER THREAD	HEX	HEIGHT	REPLACES
GL-2201	One Piece Flange Nuts For Hub Piloted Wheels	9/16" - 18	7/8"	5/8"	Budd - 64186 Euclid - 5892 GMC - 3988631
GL-2202	One Piece Flange Nuts For Hub Piloted Wheels	11/16" - 16	1 1/8"	1 1/16"	Gunite - 45681 Budd - 81269 Euclid - 5734 GMC - 3771410
GL-2203	One Piece Flange Nuts For Hub Piloted Wheels	5/8" - 18 R.H. Thread	1 1/8"	1 1/16"	Budd - 95188 Dayton - 13-3047R BWP - M1266 Euclid - 9022R Dodge - 3637720
GL-2204	One Piece Flange Nuts For Hub Piloted Wheels	5/8" - 18 L.H. Thread	1 1/8"	1 1/16"	Budd - 95189 Dayton - 13-3047L BWP - M1267 Euclid - 9022L Dodge - 363719

TWO PIECE FLANGE NUTS

PART NO.	DESCRIPTION	GRADE	FINISH	INNER THREAD	HEX	HEIGHT	REPLACES
GL-2301	For Uni-Mount 10 Hole Systems	8	Phosphate & oil	M22 - 1.5	M33	M32	Budd - 106333 Dayton - 13-3052 BWP - M3203 Euclid - 6000 Leland - W498
GL-2302	For Motor Wheel 8 Hole Systems	8	Phosphate & oil	M22 - 1.5	M38	M35	Motor Wheel - 88881 Dayton - 13-3050 BWP - M3207 Euclid - 5991 Leland - W492



GL-2301

GL-2302



FLANGE NUTS FOR ALUMINUM WHEELS

PART NO.	DESCRIPTION	GRADE	FINISH	INNER THREAD	HEX	SLEEVE LENGTH	RECOMMENDED USE
GL-2900	Skirt Nut	8	Black	M22 - 1.5	33 mm	35 mm	All style M22 Flange Nuts on Hub-Piloted wheels
GL-2906	Sleeve Nut	8	Black	M22 - 1.5	33 mm	6 mm	Steel - Steers
GL-2919	Sleeve Nut	8	Black	M22 - 1.5	33 mm	19 mm	Aluminum - Steers Steel/Steel - Drives Steel Outer/Alum. Inner - Drives
GL-2928	Sleeve Nut	8	Black	M22 - 1.5	33 mm	28 mm	Heavy Duty Aluminum Super Single - Wide Base Aluminum Outer/Steel Inner - Drives
GL-2939	Sleeve Nut	8	Black	M22 - 1.5	33 mm	39 mm	Dual Aluminum

WHEEL NUTS

HEAVY DUTY, TOOLS FOR THE TECH

FLANGE NUTS FOR ALUMINUM WHEELS

PART NO.	DESCRIPTION	GRADE	FINISH	INNER THREAD	HEX	HEIGHT	REPLACES
39874	Low Profile	8	Black	M22 - 1.5	M33	M32	Alcoa - 39874 Dayton - 13-3057 Euclid - 9020 Leland - W525 GMC - 2071619 Ford - E6HZ 1120A Accuride - 50125
39946		8	Black	5/8" - 18	1 1/16"	13/16"	Alcoa - 39946 Dayton - 13-30510 Euclid - 10233 S/B - 102333 Leland - W749



FLANGE NUTS FOR ALCOA WHEELS

PART NO.	DESCRIPTION	GRADE	FINISH	INNER THREAD	HEX	HEIGHT	REPLACES
139698	Low Profile	8	Phosphate and Oil	M14 - 1.5	27 mm	22 mm	Alcoa - 139698
139987		8	Phosphate and Oil	9/16" - 18	1 1/16"	7/8"	Alcoa - 139987
430632 578632	Front Bus Wheels	8	Dacromet Coated	M22 - 1.5	33 mm	50 mm (2")	Alcoa - 430632 Alcoa - 578632 (Dacromet Coated)
430732 578732	Rear Bus Wheels	8	Dacromet Coated	M22 - 1.5	33 mm	78 mm (3")	Alcoa - 430732 Alcoa - 578732 (Dacromet Coated)

NEW

SC-100 STUD AND WHEEL SURFACE CLEANING SYSTEM

The SC-100 stud cleaner quickly and easily removes rust, road grime, and foreign particles from wheel studs. Three carbon steel brushes engage the full thread and provide a clean surface for the wheel retaining nut allowing an accurate final torque.

Application:

- 22 mm Uni-Mount Studs
- 3/4"-16 Budd Studs

*Recommended for use with low-speed reversible drill



SC-100

NEW

GA-200 THREAD PITCH GAUGE

M22 X 1.5 Uni-Mount Stud Wear Gauge



GA-200

NEW

5-IN-1 INSPECTION GAUGE

This gauge, placed on a keychain for convenient daily use, is designed to inspect hub-pilot wheel systems to include: M22 X 1.5 wheel studs, wheel nuts, and disc wheel bolt holes. Precision machined, coated to prevent rust and is not affected by the day-to-day work environment. In the hands of a trained technician the 5-IN-1 gauge is designed to enhance current industry inspection methods and best practices.



5-IN-1 INSPECTION GAUGE

NEW

ANTI-INDEXING SLEEVES

Protects the studs and wheels from damage. Minimizes wheel movement from indexing.

- AIS-500 - Single Wheel
- AIS-800 - Dual Steel
- AIS-1250 - Dual Aluminum

*Install Anti-Indexing Sleeves on every other stud



AIS-1250

AIS-800

AIS-500

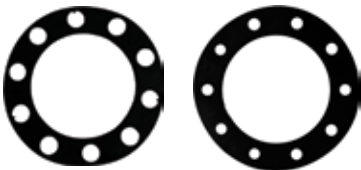
WHEEL GUARDS

HEAVY DUTY

COMPLETE CATALOG AVAILABLE UPON REQUEST.
PART NUMBER INTERCHANGE AVAILABLE UPON REQUEST.

TRUCK WHEEL GUARDS

Wheel Guards are nylon separator plates that are approximately .03" thick. They are placed between the hub or drum and the wheel, and between two wheels on a dual wheel application. The Wheel Guard is highly recommended for all applications and all combinations of aluminum and steel wheels.



PART NO.	APPLICATION	HOLES	BOLT CIRCLE	I.D.
GL-5901	For wheels using 1-1/8" and 7/8" diameter studs (stud pilot wheels)	10	11 1/4"	8 13/16"
GL-5902	For wheels using 3/4" diameter studs (stud pilot wheels)	10	11 1/4"	8 13/16"
GL-5903	For wheels using 22 mm diameter studs "Unimount" (hub pilot)	10	285.75 mm	8 13/16"
GL-7902	For wheels using 22 mm diameter studs "Motor Wheel" (hub pilot)	8	275 mm	8 13/16"
GL-8482	For GM and Dodge trucks using 5/8" diameter studs	8	6 1/2"	4.82"
GL-8525	For Ford trucks using 5/8" diameter studs	8	6 1/2"	5.25"
GL-8675	For Ford trucks with 19.5" wheels using 5/8" diameter studs	8	225 mm	6.75"
GL-7381	For bus wheels with 22 mm diameter studs	10	335 mm	

DISCMATE™ WHEEL PROTECTOR FOR ALCOA WHEELS

PART NO.	APPLICATION	HOLES	BOLT CIRCLE
GL-18000 (Alcoa 018000)	For wheels using 32 mm sleeved cap nut (hub pilot)	10	335 mm

WHEEL STUD CHART

HUB NO.	HUB OEM	STUD		
		STEEL	A/A	A/S
2530 (S) (253010)	Webb	BD14032	BD14032	BD14032
2520 (S) (272010) / HF770K	Webb / Gunite	BD14032	BD14032	BD14032
2643 (S) (264310)	Webb	BD14032	BD14032	BD14032
10001339	ConMet	BD14032	BD14032	BD14032
10001342	ConMet	BD14032	BD14032	BD14032
108168, H805K	ConMet, Gunite	BD14032	BD14032	BD14032
741310001339	Mack	BD14032	BD14032	BD14032
CM10001513	Freightliner	BD14032	BD14032	BD14032
CM108168	Freightliner	BD14032	BD14032	BD14032
176728 / HR761K	Volvo / Gunite	BD14032	BD14032	BD14032
2218724 / HR802K	Hayes Lemmerz - Budd/Gunite	BD14032	BD14032	BD14032
10001576 / HR802F	ConMet / Gunite	BD14032	BD14032	BD14032
10005354 / HR861K	ConMet / Gunite	BD14032	BD14032	BD14032
105239 / HF803K	ConMet / Gunite	BD14032	BD14032	BD14032
10003478 / HF770K	ConMet / Gunite	BD14032	BD14032	BD14032
10001340 / HR802K	ConMet / Gunite	BD14032	BD14032	BD14032
4019101 / HF805K	Hayes Lemmerz / Gunite	BD14032	BD14032	BD14032
2035951C91 / HR805k	International / Gunite	BD14032	BD14032	BD14032
HR935K	Gunite	BD14032	BD14036	BD14036
2723 (S) (272310)	Webb	BD14032	BD14028	BD14036
HR735K	Gunite	BD14028	BD14028	BD14028
4809001 / HT794J	Hayes Lemmerz - Budd/Gunite	BD14030	BD14034	BD14034
21372269 / 21372270	Mack / ConMet	BD14030	BD14030	BD14030
CM108160	Freightliner	BD11268	BD11268	BD8960
1020F / HT518K	Webb / Gunite	BD11268/69	BD11262/63	BD11262/63
3533020C91 / HF801K	International / Gunite	BD11262/63	BD11268/69	BD8960/61
89023 / HF725K	Hayes Lemmerz / Gunite	BD11268	BD8960/61	BD11268/69
21024242 / 21728458	Mack / ConMet	BD14038	BD14038	BD14038

407422



407422 WHEEL INSTALLATION KIT, 2 TOOLS IN A KIT

Alcoa's wheel installation sleeves: Align wheel bolt holes. Seat brake drums that have .980" diameter bolt holes. Prevent thread damage to M22x1.5 studs. Assist in lining up all components for ease of install. For Alcoa wheel with 26mm bolt hole.

AXLE END COVERS

(All closed-end axle covers are supplied with an Alcoa Medallion)

- For use on 16 x 6 and 16 x 7 aluminum wheels
- Includes rubber O-rings
- All-aluminum
- Made in the U.S.A.

* Mounts from the front



3167

Height: 4.700" straight.
Hub bores: 5.150"
Bolt pattern: 8 x 6.50



1611*

Height: 1.125" straight.
For dually applications
Bolt pattern: 8 x 6.50
Hub bores: 4.88"



1612*

Height: 4.750" straight.
For dually applications
Bolt pattern: 8 x 6.50
Hub bores: 4.88"



1681*

Height: 4.750" straight.
w/3.50" open end. For
dually applications.
Bolt pattern: 8 x 6.50.
Hub bores: 4.88"



3611*

Height: 1.125" straight. For
dually applications.
Bolt pattern: 8 x 6.50.
Hub bores: 4.88"



3612*

Height: 4.750" straight. For
dually applications.
Bolt pattern: 8 x 6.50.
Hub bores: 4.88"



4167

Height: 4.000" straight.
Hub bores: 5.150"
Bolt pattern: 8 x 6.50



5267

Height: 2.000" straight.
Hub bores: 4.250"
Bolt patterns: 5 x 5.50
& 8 x 6.50



9267

Height: 2.00" straight
Hub bore: 3.295"
Bolt patterns: 5 x 4.50,
5 x 4.75, 5 x 5.50 &
6 x 5.50



11911*

Height: 1.500" straight
Hub bores: 5.250" &
5.460"
Bolt pattern: 10 x 7.25



11912*

Height: 5.375" straight
Hub bores: 5.250" &
5.460"
Bolt pattern: 10 x 7.25



H-1503



H-1813

H-1503

10 H-150 Hug-A-Lugs in a cardboard display container. Versatile 10-pack design.

H-1813

10 H-181 Hug-A-Lugs in a cardboard display container. Versatile 10-pack design.

Patented spring-clip insert holds cover tight to the nut, yet permits easy installation and removal. Now Alcoa Hug-A-Lug nut covers come in handy cardboard display container for easy retail display. The versatile design of the 10-pack nut covers allows it to stand alone or hang on a display rack.

NOTE: Orders are accepted for less than case quantities.

FOR 1 1/2" HEX STUD-PILOT WHEELS

HALTEC NO.	DESCRIPTION	CASE QTY.	FINISH
H-150	For 1 1/2" Hex Stud-pilot Nut	200	Chrome



H-150

FOR 33MM HEX FLANGE NUTS (HUB-PILOT WHEELS)

HALTEC NO.	DESCRIPTION	FOR HEIGHTS	CASE QTY.	FINISH
H-180	For 33mm Hex Flange Nut for buses	.886"-1.0"	200	Chrome
H-181	For 33mm Hex Flange Nut for buses	27-31mm	200	Chrome



H-180

FOR 1 1/2 HEX NUTS (HUB-PILOT WHEELS)

HALTEC NO.	DESCRIPTION	FOR HEIGHTS	CASE QTY.	FINISH
H-182	For 1 1/2 Hex Flange Nut for trucks	1 7/16"	200	Chrome
H-183	For 1 1/2 Hex Flange Nut for buses	7/8"	200	Chrome



H-182

FOR ALCOA LUG NUTS FOR 16" & 19" WHEELS

HALTEC NO.	DESCRIPTION	FOR HEIGHTS	CASE QTY.	FINISH
H-78	2.125"	.96"	100	Chrome
H-79	1.525" Tall	.96"	100	Chrome
H-190	Hug-A-Lug Push-On	Fits 1 1/16" hex flange nuts	200	Chrome



H-78

H-190

H-155

1 1/2" nut cover with an inner clamp and threaded outer cover. To order inner clamp only, ask for Part # H-155C.



H-155

H-188

33mm nut cover with an inner clamp threaded out cover. To order inner clamp only, ask for Part# H-188C.



H-188

500

Installation tool for hub cover systems 076155B and 077155B.

500

H-185*

33mm screw-on nut cover for hub covers 076185B and 077185B.

600

Installation tool for hub cover systems 076185B, 077185B, 076188B and 077188B.

600

- Requires a minimum of 4 threads per stud.
- Ask Haltec about Hub Cover Systems available in Alcoa packaging.



H-185



087100S

086100S

ALCOA'S NEW HUB COVER SYSTEMS: THEY'RE ONE-PIECE WONDERS!

Fits wheels 19.5", 22.5" and 24.5", Hub pilot, 33 mm hex flange nut with 10 x 285 mm. Alcoa's new hub cover system provides an easy way to upgrade the appearance of new and older trucks. This quality-tested, road-proven hub cover system is built to the precise specifications you would expect from Alcoa, the world leader in heavy-duty wheels.

This unique, one-piece design provides:

- Reduced installation time with 1 part vs. 11
- Highly reflective superior finish
- Patented on-off attachment design
- On-off removal for DOT inspection
- 2-year warranty

ONE PIECE HUB COVER SYSTEMS

HALTEC NO.	WHEEL TYPE	PACKAGE INCLUDES
087100S	33 mm Hub Piloted	2 rear covers & tool, Alcoa packaging
087100B	33 mm Hub Piloted	1 rear cover & tool, plain packaging
086100S	33 mm Hub Piloted	2 front covers & tool, Alcoa packaging
086100B	33 mm Hub Piloted	1 front cover & tool, plain packaging



076085



076188B



077085



077188B

COVER KITS FOR 10-HOLE 22.5" & 24.5" WHEELS

HALTEC NO.	WHEEL TYPE	NUT COVER	APPLICATION/PACKAGE
076185B*	Hub Piloted	H-185 (33mm)	Cover is secured by screwing the H-185 directly onto stud threads; Box
076155B	Ball-Seat	H-155 (1 1/2")	Cover is secured by screwing the H-155 onto inner clamp. Inner clamp is placed on stud threads; Box
076188B	Hub Piloted	H-188 (33mm)	Cover is secured by screwing the H-188 onto inner clamp. Inner clamp is placed on stud threads; Box
076085*	Hub Piloted	H-185 (33mm)	Cover is secured by screwing the H-185 directly onto stud threads; Reusable Bin includes 20 nut covers, 2 hub covers & tool
076015	Ball-Seat	H-155 (1 1/2")	Cover is secured by screwing the H-155 onto inner clamp. Inner clamp is placed on stud threads; Reusable Bin includes 20 nut covers, 20 inner clamps, 2 hub covers & tool
076018	Hub Piloted	H-188 (33mm)	Cover is secured by screwing the H-188 onto inner clamp. Inner clamp is placed on stud threads; Reusable Bin includes 20 nut covers, 20 inner clamps, 2 hub covers & tool
077185B*	Hub Pilot	H-185 (33mm)	Cover is secured by screwing the H-185 directly onto stud threads; Box
077155B	Stud Pilot	H-155 (1 1/2")	Cover is secured by screwing the H-155 onto inner clamp. Inner clamp is placed on stud threads; Box
077188B	Hub Pilot	H-188 (33mm)	Cover is secured by screwing the H-188 onto inner clamp. Inner clamp is placed on stud threads; Box
077085*	Hub Pilot	H-185 (33mm)	Cover is secured by screwing the H-185 directly onto stud threads; Reusable Bin includes 40 nut covers, 4 hub covers & tool
077015	Stud Pilot	H-155 (1 1/2")	Cover is secured by screwing the H-155 onto inner clamp. Inner clamp is placed on stud threads; Reusable Bin includes 40 nut covers, 40 inner clamps, 4 hub covers & tool
077018	Hub Pilot	H-188 (33mm)	Cover is secured by screwing the H-188 onto inner clamp. Inner clamp is placed on stud threads; Reusable Bin includes 40 nut covers, 40 inner clamps, 4 hub covers & tool

*Requires a minimum of four threads per stud.

LIGHT DUTY TRUCKS

HALTEC NO.	WHEEL SIZE	BOLT CIRCLE	PACKAGE INCLUDES
001102	19.5" x 6" Hub Pilot	8 x 225 mm	1 Front
001103	19.5" x 6" Hub Pilot	8 x 225 mm	1 Rear
110203	19.5" x 6" Hub Pilot	8 x 225 mm	2 Fronts - 2 Rears
100450	19.5 x 6" Hub Pilot	10 x 225 mm	2 Front covers, 2 Rear covers
001004	19.5 x 6" Hub Pilot	10 x 225 mm	1 Front cover
001005	19.5 x 6" Hub Pilot	10 x 225 mm	1 Rear cover

Application: Snaps on over lug nuts and center hub.



001102



001103



140233A



109176A



008221



008222

TRUCKS, BUSES AND TRAILERS

HALTEC NO.	DESCRIPTION	BOLT CIRCLE	KIT INCLUDES
082012	Kit for 30mm hex flange nuts (includes fronts and rears)	8 x 275 mm	2-008201, 2-008202, 32-H-20
082122	Front hub cover kit for 33mm hex flange nuts; steers	8 x 275 mm	2-008221, 16 H-22
082133	Rear hub cover kit for 33mm hex flange nuts; drives	8 x 275 mm	2-008222, 16 H-22
008201	Front Hub Cover for 30mm hex flange nuts	8 x 275 mm	1 Front Hub Cover & 8 lug nut covers (H-20)
008202	Rear Hub Cover for 30mm hex flange nuts	8 x 275 mm	1 Rear Hub Cover & 8 lug nut covers (H-20)
008221	Front Hub Cover for 33mm hex flange nuts	8 x 275 mm	1 Front Hub Cover & 8 lug nut covers (H-22)
008222	Rear Hub Cover for 33mm hex flange nuts	8 x 275 mm	1 Rear Hub Cover & 8 lug nut covers (H-22)
140230B	Front hub cover kit for 30mm hex flange nuts; stainless steel	8 x 275 mm	2-001402, 16-000230
109176B	Rear hub cover kit for 30mm hex flange nuts; stainless steel	8 x 275 mm	2-001109, 16-000230
140233A	Front hub cover kit for 33mm hex flange nuts; stainless steel	8 x 275 mm	2-001402, 16-000233
109176A	Rear hub cover kit for 33mm hex flange nuts; stainless steel	8 x 275 mm	2-001109, 16-000233
001402	Front hub cover for 30mm and 33mm	8 x 275 mm	1-Front cover
001109	Rear hub cover for 30mm and 33mm	8 x 275 mm	1-Rear cover, 1-Bolt, 1-Bracket
000230	Lug nut cover for 30mm hex flange nuts	8 x 275 mm	1-Lug nut cover
000233	Lug nut cover for 33mm hex flange nuts	8 x 275 mm	1-Lug nut cover
001763	Knob for rear hub cover	8 x 275 mm	1-Bolt
001834	Bracket for rear hub cover	8 x 275 mm	1-Bracket

Application: Place cover over hub and secure with nut cover.

H-20

For 30mm hex flange nuts. *Requires a minimum of 3 threads protruding through lug nut; Black spacer not applicable with short lug nut.



H-20

H-22

For 33mm hex flange nuts. *Requires a minimum of 3 threads protruding through lug nut; Black spacer not applicable with short lug nut.



H-22



HYDRAULIC RAMS & JACKS

These rams are recommended for use in pushing off-rear beads on earthmover wheels. Can be used for all earthmover truck tires. Can also be used as a general purpose cylinder. Maximum operating pressure of 10,000 PSI. Designed for use in all positions. Made in the USA.. A coupler and dust cap are included with all models.

HALTEC NO.	CYLINDER CAPACITY (TONS)	STROKE (INCHES)	CYLINDER EFFECTIVE AREA (IN ²)	OIL CAPACITY (IN ³)	COLLAPSED HEIGHT (IN)	WEIGHT (LBS.)
AJ-102	10	2.13	2.23	4.75	4.78	5.1
AJ-106	10	6.13	2.23	13.67	9.75	9.4
AJ-110	10	10.13	2.23	22.59	13.75	12.9
AJ-30	30	2.44	6.5	15.85	4.5	13.8
AJ-506	50	6	11.05	66.3	10.97	31.5
AJ-1006	100	6	20.65	136.91	14.06	45

AJ-30

The AJ-30 "shorty" is a lightweight, low-profile design for use in confined places. Cylinder capacity is 30 tons.

AJ-506-B

The AJ-506-B 55-ton aluminum jack is easy-to-handle and lightweight, it can be used with any 10,000 PSI pump. Perfect for off-highway work. Comes with a 7" x 7" aluminum base.



AJ-30

AJ-506-B

AJ-1006 100 TON ALUMINUM JACK

- Lightweight aluminum for easily handling and placing under the vehicle
- Includes "Shut-Off Valve" which allows the pump to be removed while ram is extended*



AJ-1006

TECH TIP

THESE PRODUCTS, AS WELL AS ALL TIRE TOOLS, SHOULD NEVER BE USED BY PERSONS UNLESS THEY HAVE BEEN TRAINED PROPERLY ACCORDING TO OSHA REGULATION #29CFR 1910.177 ENTITLED "SERVICING SINGLE-PIECE & MULTI-PIECE RIM WHEELS."

BBH-10 "COMBI" BEAD BREAKER

The BBH-10 is ideal for use with all truck, farm tractor, grader, combine, and skidder tires. The air hydraulic movement works on all types of rims except 5-piece earthmover rims. Can be used without removing the wheel and will not damage the bead or rim. No screws, bolts, or attachments. Can be used with Haltec model AHP-20 pump, AHP-15 pump, or equivalent 10,000 PSI pump.



BBH-10

TALON-1 OTR BEAD BREAKER

- Works on both front and back wheel without dismounting wheel from vehicle
- Works on all new 3 piece 25" wheels or larger
- Works on all wheels with CAT "Shur-Lok" safety feature
- A must tool for all trucks



TALON-1

OTR-1825 BEAD BREAKER

Off-the-road bead breaker tool. Used on 25" to 51" 5-piece rims with pry bar pockets. Has 4 1/4" stroke and is designed to break earth-mover tire beads on rusted rims. Can be used with Haltec model AHP-15 pump or equivalent 10,000 PSI pump, 17" length. Caterpillar conversion kit available. Order part OTR-1825CK.



OTR-1825

OTR-2000 GIANT TIRE/WHEEL BEAD BREAKING TOOL

Designed for largest construction and off-road tires and wheels. Works on all 39", 45", 51" and 57" wheel sizes.

Can be used with Haltec model AHP-20 pump, AHP-15 pump, or equivalent 10,000 PSI pump.

Note: Due to design changes, the OTR-2000 frame and ram will not interchange with Goodyear TO-2000 tools. All other parts are interchangeable.



OTR-2000

11044 GIANT TIRE BEAD BREAKER

- Designed specifically to work on Topy and Rimex OE wheels found on Terex, Komatsu, Liebherr, and Le Tourneau
- Designed to prevent the tool from kicking out while under load



11044

AHP-15



AHP-15 HYDRAULIC PUMP

- Fast-acting air hydraulic pump that can be used with all Haltec Bead Breakers
- 10,000 PSI rated
- Capacity 3.5 qts.
- Oil Hose not included
- Polyglass reservoir

AHP-20



AHP-20 HYDRAULIC PUMP

- Fast-acting air hydraulic pump that can be used with all Haltec Bead Breakers
- 10,000 PSI rated
- Capacity 5 qts. oil
- Hose not included
- Polyglass reservoir

AHP-20H



AHP-20H HYDRAULIC HOSE

- 8' hose with coupler for use on all hydraulic pumps.

71500



71500 BIG BUDDY BEAD BREAKER

- Easily breaks the most stubborn beads.
- User fatigue is reduced through spring-action tip, which reduces kick-back.
- Wedge tip is forced between the tire bead and wheel rim, delivering the blow directly to the hammer tip.
- Heavy duty tool with 1 year warranty.

71630



71630 HEAVY DUTY WHEEL PULLER

- Designed to remove stuck hub-piloted truck wheels easily. This tool helps the tire service professional with the removal and disassembling of hub centered wheels on a drive axle, steering axle, and/or trailer axle.
- Eliminates need to crawl under vehicle
- No need to use sledge hammer to separate stuck wheels versatility on wheel types
- Saves time and improves safety
- High chromium steel construction
- Includes (2) pulling ends to ensure

TECH TIP

THESE PRODUCTS, AS WELL AS ALL TIRE TOOLS, SHOULD NEVER BE USED BY PERSONS UNLESS THEY HAVE BEEN TRAINED PROPERLY ACCORDING TO OSHA REGULATION #29CFR 1910.177 ENTITLED "SERVICING SINGLE-PIECE & MULTI-PIECE RIM WHEELS."

67300 NUT BUDDY BEAD BREAKER

- Bust loose the most stubborn wheel nuts
- Use on commercial or agricultural wheels
- Gear ratio – 58:1
- Rated output torque: 2,950 ft lbs
- Two sockets included: 1 1/2" (38mm) and 1 5/16" (33mm)



67300

23800 CHEETAH TANK BEAD SEATER

- Point and release the air blast bead seater to seat the bead on tubeless tires.
- Bead seater makes seating the most difficult bead not only safe but simple, fast, and economical.
- ASME certified tank for commercial use, passenger, and ATV tires.
- 5 gallon steel tank



23800

26140 LIQUID TIRE BALANCE

- With AME Liquid Tire Balancer installed in a tire, the tire drops off when a tire change or repair is required! (There will be no rust on rim to brush, no powder to wipe, and the rim is lubricated for an easy remount and a perfect seal!)
- AME Liquid Tire Balancer will not block a valve stem, will not ball up and will help you detect any valve stem or tire damage!
- Blaster or Cheetah is OK to use with AME Liquid Tire Balancer.
- Tire technicians using AME Liquid Tire Balancer state that this product makes their job safer and easier.
- AME Liquid Tire Balancer installation instructions are on the bottle or bucket.
- Available in a case of 12 bottles (26140) or a 6 gallon bucket (26142)



26140



26142

TG35



35359



HEAVY DUTY HAMMERS

MODEL NO.	ITEM NO.	DESCRIPTION	REPLACEMENT HANDLE	LENGTH	HEAD WEIGHT
TG35	35423	Fiber Glass Handled	TG11CH	18" (46 cm)	4.8 lbs (2.2 kg)
35359	35359	Universal HD Wheel Weight Hammer	T11EHS	12" (30.5 cm)	3 lbs (1.4 kg)

T11E



TG11E



TG11D



T11ES



BEAD BREAKING WEDGES

MODEL NO.	ITEM NO.	DESCRIPTION	REPLACEMENT HANDLE	LENGTH	HEAD WEIGHT
T11E®	35329	Wood-Handled Wedge	T11EH	30" (76.2cm)	8 1/2 lbs. (3.9kg)
TG11E	35429	Fiberglass Handled Wedge	TG11EH	32" (81.3cm)	8 1/2 lbs. (3.9kg)
TG11D	35427	Fiberglass Handled Wedge	TG11DH	18" (46cm)	4.8 lbs (2.2kg)
T11ES	35330	Wood-Handled Wedge	T11EHS	30" (76.2cm)	11 lbs (5 kg)

T24B



T26B



HEAVY DUTY IMPACT BEAD BREAKERS

MODEL NO.	ITEM NO.	DESCRIPTION	LENGTH	HEAD WEIGHT
T24B	35924	Economy	46" (117 cm) Length Extended 72" (183 cm)	13.5 lbs (6.1 kg)
T26B	35926	Heavy-duty	50" (127 cm) Length Extended 80" (203 cm)	23 lbs (10.4 kg)

8 IN 1 WRENCH

Eight of the most popular size wrenches in one strong, professional, compact and convenient tool. Also available in a 6 pc. merchandising display.

MODEL NO.	ITEM NO.	DESCRIPTION	LENGTH	SIZES
35775	35775	SAE	7 1/2"	5/16", 3/8" 7/16", 1/2", 9/16", 5/8" 11/16", 3/4"
35776	35776	Metric	7 1/2"	10 mm, 11 mm, 12 mm, 13 mm, 14 mm, 15 mm, 16 mm, 17 mm

35775



35776



BUDD NUT WRENCHES

Wrenches hold outer cap nut on dual wheels while turning inner nut. Lip fits in hole to secure wrench in place. Sizes offered fit standard and metric Budd nuts.

MODEL NO.	ITEM NO.	DESCRIPTION	SIZE	WEIGHT
TX9®	30609	SAE	1 1/2" (38mm)	.73 lbs (.3kg)

TRUCK WRENCH HANDLE

MODEL NO.	ITEM NO.	LENGTH	STOCK	WEIGHT
TR5	32318	22" (56 cm)	3/4" Hex	2.7 lbs (1.2 kg)

TR5



TUBELESS TIRE IRONS & SETS

Sets provide all irons necessary for a variety of tire changing applications. Use on standard and large truck tires, including industrial, farm, buses, and tractors.

MODEL NO.	ITEM NO.	DESCRIPTION	LENGTH	STOCK	WEIGHT
T46A	34747	Straight Mount/ Demount Tool	36" (91.4cm)	3/4" (19cm)	4 1/2 lbs. (2.0kg)



T46A

TUBELESS TIRE IRONS & SETS

MODEL NO.	ITEM NO.	LENGTH	STOCK	WEIGHT
T45A®	34645	37" (94.0cm)	3/4" (19mm)	4.6 lbs. (2.1kg)
T45HD	34647	41" (104.1cm)	7/8" (22mm)	7 lbs. (3.2kg)
T45A-2000K™	34644	37" (94 cm)	3/4" (19mm)	5 lbs. (2.2kg)
T45AS	34649	52" (132 cm)	7/8" (22 mm)	9 lbs. (4.1 kg)



T45A-2000K



T45AS

TUBELESS TIRE IRONS & SETS HEAVY-DUTY

MODEL NO.	ITEM NO.	DESCRIPTION	LENGTH	STOCK	WEIGHT
T47A	34847	Straight Mount/ Demount Tool	52" (132.1cm)	1" (25cm)	11 lbs. (5.0kg)



T47A



T23A



T48A

LOCK RING TOOLS

These tools are designed to remove lock rings on most trucks on the road today. A must have for anyone mounting or demounting multi-piece rims.

MODEL NO.	ITEM NO.	DESCRIPTION	LENGTH	STOCK	WEIGHT
T23A	33223	Truck Lock Ring Remover Designed Especially for Firestone RH And RI rims	30" (76.2cm)	11/16" (17.5cm)	3.1 lbs. (1.4kg)
T48A	34648	Heavy-Duty Lock Ring Tool used for Multi-Piece Wheels, Especially Hub Types	37" (94cm)	3/4" (19mm)	4 1/2 lbs. (2.0 kg)



35444



T20A

T68



29980



29981



SAFETY!

WARNING: SAFETY CAGES - TIRE CHANGING CAN BE DANGEROUS AND SHOULD BE DONE BY TRAINED PERSONNEL USING PROPER TOOLS AND EQUIPMENT AS DIRECTED BY FEDERAL OSHA STANDARD NO. 29CFR PART 1910.177. TIRES MAY EXPLODE DURING INFLATION CAUSING INJURY TO OPERATOR OR BYSTANDER. WEAR SAFETY GOGGLES. KEEP ALL PARTS OF BODY OUTSIDE CAGE. USE EXTENSION HOSE, CLIP-ON CHUCK, AND REMOTE VALVE. SEE SUPERVISOR FOR SAFETY PROCEDURES.

35444 DELUXE BLUE COBRA TRUCK TIRE SERVICE SET

Truck Tire Service Set contains all the tools you need to change most 22.5" and 24.5" tubeless truck tires quickly and easily. All parts can be purchased separately. Set ships in 1 Box, weighing 57 lbs.

MODEL NO.	ITEM NO.	DESCRIPTION	QTY.
35440	35440	Blue Cobra Truck Tire Demount Tool; Demounts up to 425 wide tire	1
T45A	34645	37" Tubeless Tire Iron - Our Best Selling Bar!	1
T2022A30	33052	30" Double-End Tire Spoon	1
T11ES	35330	30" Bead Breaking Wedge w/ Safety Handle, Use with T35 Hammer	1
T35	35323	16 1/2" H.D. Tire Hammer, With Replaceable Rubber Head	1
35848	35848	8 lb. Bucket Euro Paste Lube; Dries Tacky with Rust Preventative	1
30512	30512	Euro-Style Lube Applicator Brush	1
31713	31713	Aluminum C-Lok™ Bead Holder	2
31810	31810	Leather Rim Protector - Patented!	1

TIRE MOUNT/DEMOUNT SPOONS

MODEL NO.	ITEM NO.	LENGTH	STOCK	WEIGHT
T20A	33220	30" (76.2cm)	11/16" (17.5mm)	3 lbs. (1.4kg)
T20	32120	24" (61 cm)	11/16" (17.5 mm)	2.4 lbs (1.1 kg)
T19A	33219	30" (76.2cm)	11/16" (17.5mm)	3 lbs. (1.4 kg)

T68 WHEEL COVER PULLER/REPLACER

MODEL NO.	ITEM NO.	LENGTH	STOCK	WEIGHT
T68	31568	14" (35 cm)	7/16" (11.1 mm)	1.3 lbs (.6 kg)

29980 RECORE STARTER KIT FOR CLAMP-IN STYLE ALUMINUM SENSORS WITH GALVANIC CORROSION

Includes everything you need to service your TPMS Sensor replacement customers: 12 TPMS Sensor Savers, TPMS Valve Core Torque Tool (preset at 4-in-lbs), High Speed Dual Cutter Countersink Drill Bit, Tap, Tap Holder with T-handle, Bottle Ken-Lok™ Thread Sealant, Easy to follow instructions, Blow-molded plastic storage case.

29981 RECORE REFILL KIT

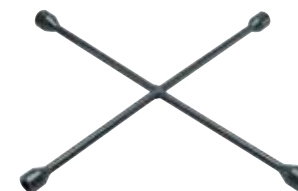
Includes 25 TPMS Sensor Savers plus a fresh Tap.



FULL LINE KEN-TOOL CATALOG AVAILABLE UPON REQUEST.



T59



T9520



T95



35630

4-WAY LUG WRENCHES

MODEL NO.	ITEM NO.	PART NAME	DESCRIPTION	STYLE	SOCKET SIZE	STOCK	LENGTH	WEIGHT
T59	35659	Four-Way Lug Wrench (Standard)	Passenger	Welded Center	3/4", 13/16", 7/8", 15/16"	22" (56 cm)	5/8" (16 mm)	4.2 lbs (1.9 kg)
T90	35690	Four-Way Lug Wrench (Standard)	Light Truck	Welded Center	7/8" deep well, 15/16", 1", 1-1/16"	25" (64 cm)	3/4" (19 mm)	7.2 lbs (3.2 kg)
T9520	35620	Four-Way Lug Wrench (Economy)	Passenger	Welded Center	3/4", 13/16", 7/8", 17 mm	20" (51 cm)	9/16" (14 mm)	3.4 lbs (1.5 kg)
T61	35661	Four-Way Lug Wrench (Economy)	Passenger	Welded Center	3/4", 13/16", 7/8", 17 mm	22" (56 cm)	9/16" (14 mm)	3.8 lbs (1.7 kg)
T62	35662	Four-Way Lug Wrench (Economy)	Passenger	Welded Center	3/4", 13/16", 7/8", 17 mm	18" (46 cm)	9/16" (14 mm)	3.2 lbs (1.5 kg)
T95	35695	Heavy-Duty Truck Lug Wrench (SAE)		Forged Center	1-1/16", 1-1/4", 1-1/2", 13/16" square	27-1/2" (70 cm)	1" (25 mm)	13.8 lbs (6.2 kg)
TC95	35595	Heavy-Duty Truck Lug Wrench		Forged Center	1-1/2", 13/16" square, 30, 33 mm	27-1/2" (70 cm)	1" (25 mm)	14.2 lbs (6.4 kg)
35630	35630	Economy Four-Way Lug Wrench for the Do-It-Yourselfer	Passenger Car	Welded Center, Chrome	11/16" (17 mm), 3/4" (19 mm), 13/16" (21 mm), 7/8" (22 mm)	20" (51 cm)	5/8" (16 mm)	3.7 lbs (1.7 kg)
35635	35635	Economy Four-Way Lug Wrench for the Do-It-Yourselfer	Passenger Car	Welded Center, Chrome	11/16" (17 mm), 3/4" (19 mm), 13/16" (21 mm), 7/8" (22 mm)	14" (36 cm)	5/8" (16 mm)	2.6 lbs (1.2 kg)

34549 4 PC. DUAL WHEEL SEPARATOR KIT

Makes removing stuck or frozen dual steel wheels quick and easy. Includes two pullers to cover large truck, trailer and smaller light truck dual wheel applications. Also use to remove singles off hub.



34549

36047-KT TIRE & WHEEL SERVICE CENTER

Eye-catching 15"x17" full color display card with photos and descriptions. Convenient mobile base makes positioning for optimum sales a breeze!

MODEL NO.	ITEM NO.	DESCRIPTION	QTY.
35110	35110	18" USA Hickory Tire Kicker	2
T19	32119	24" Straight Tire Spoon	2
T20A	33220	30" Curved Tire Spoon	2
T45A	34645	37" Tubeless Tire Iron	2
T45AC	34645C	37" Classic Tubeless Tire Iron	2
T45HD	34647	41" HD Tubeless Tire Iron	2
T46A	34747	26" Tubeless Tire Iron	2
T35	35323	16-1/2" HD Tire Hammer - Wood Handle	1
TG11E	35429	32" Bead Breaking Wedge, Fiberglass Handle	1
35637	35637	18" Passenger 4-Way Lug Wrench, SAE/Metric	2
35638	T9518	23" Light Truck/RV 4-Way Lug Wrench, SAE/Metric	2
TC95	35595	27" HD Truck Lug Wrench, Popular Lug Sizes	1
30721	30721	Wire Rack with Roller Base	1
36047-98	36047-98	Planogram Card with Tie Strap	1



36047-KT



T101 (CLOSED) T102 T103 T104 T105 T106 T101A



T108 T109 T110 T111 T119

TIRE INFLATION CAGES

Mandatory for any shop working with tubeless and multi-piece rims. Made from heavy-gauge steel tubing welded to a steel base. Guards against blown lock rings and rims. Follow safety instructions on cage and OSHA regulation 29-CFR Part 1910.177. Meets OSHA regulation requirements for Medium, Heavy-Duty Truck, OTR, Tractor, and Super Singles. Ken-Tool offers a size and design for all your needs. For additional safety instructions, call Haltec customer service.

PORTABLE INFLATION CAGES

MODEL NO.	ITEM NO.	DESCRIPTION	A HEIGHT	B WIDTH	BASE	MAX PSI	WEIGHT
T101	36001	Portable 2-Bar	41" (104 cm)	16" (41 cm)	7" closed x 21-1/2" (18 cm x 55 cm)	130	60 lbs (27.2 kg)
T101A	36007	Portable Wide Base 2-Bar	43-1/2" (111 cm)	20-1/2" (52 cm)	7" closed x 27" (18 cm x 69 cm)	130	72 lbs (32.6 kg)
T119	36019	Portable Magnum 2-Bar	49-1/2" (126 cm)	24-1/2" (62 cm)	7" x 30" closed (18 cm x 76 cm)	130	80 lbs (36.2 kg)

INFLATION CAGES

MODEL NO.	ITEM NO.	DESCRIPTION	A HEIGHT	B WIDTH	BASE	MAX PSI	WEIGHT
T102	36002	4-Bar Cage	43-1/2" (111 cm)	20-1/2" (52 cm)	31-1/2" x 26" (80 cm x 66 cm)	130	146 lbs (66.2 kg)
T103	36003	3-Bar Passenger & Light Truck Cage	30" (76 cm)	16" (41 cm)	21-1/2" x 22" (55 cm x 56 cm)	130	80 lbs (36.2 kg)
T104	36004	3-Bar Cage (OTR & FARM)	65" (165 cm)	24" (61 cm)	30" x 27" (76 cm x 69 cm)	130	158 lbs (72.6 kg)
T105	36005	5-Bar Cage	43-1/2" (111 cm)	20-1/2" (52 cm)	41" x 26" (104 cm x 66 cm)	130	182 lbs (82.5 kg)
T106	36006	3-Bar Cage	43-1/2" (111 cm)	20-1/2" (52 cm)	26" x 22" (66 cm x 56 cm)	130	134 lbs (60.7 kg)
T108	36008	7-Bar Cage	46" (117 cm)	29" (74 cm)	56" x 34" (86 cm x 142 cm)	130	485 lbs (220 kg)
T109	36009	5-Bar Magnum	41-1/2" (105 cm)	24-1/2" (62 cm)	48" x 30" (122 cm x 76 cm)	130	211 lbs (96 kg)
T110	36010	5-Bar Supermagnum	41-1/2" (105 cm)	24" (61 cm)	48" x 30" (122 cm x 76 cm)	130	248 lbs (112.7 kg)
T111	36011	10-Bar Earthmover	76" (193 cm)	42" (107 cm)	48" x 72" (122 cm x 183 cm)	100	828 lbs (376.4 kg)



T113 T114

36014-T114 EZ TIRE ROTATOR FOR INFLATION CAGES

- Reduces Back Strain While Handling Large Tire & Wheel Assemblies
- EZ Tire Rotator fits any Ken-Tool 3-Bar, 4-Bar, and 5-Bar Inflation Cage, plus many competitive cages
- No need to lift or remove rim/wheel assembly from cage when repositioning valve stem for access through the cage tubes.
- Allows tire tech to easily and quickly rotate rim/wheel assembly inside the safety cage in order to adjust position of valve stems.
- Reduces handling, back strain and user fatigue; increases safety.
- Easily installed or moved to another cage-no fastening required.
- No assembly required; simply place in center of the cage.
- Feature heavy -duty 2" ball-bearing rollers and 1/4" thick steel stock for long service.
- Boxed and UPS shippable.
- Made in the USA. Patented

EZ TIRE ROTATORS™

MODEL NO.	ITEM NO.	DESCRIPTION	LENGTH	WEIGHT
T113	36013	Magnum EZ Rotator™ with Ramp	25" x 28" (64 cm x 71 cm)	22 lbs (10 kg)
T114	36014	EZ Tire Rotator™	17-1/2" x 25-1/2" (44 cm x 65 cm)	16 lbs (7.3 kg)
T118	36018	EZ Rotator™ with Ramp	25" x 25" (64 cm x 64 cm)	21 lbs (9.5 kg)



VICES

MODEL NO.	ITEM NO.	DESCRIPTION	WEIGHT	JAW WIDTH	JAW OPENING	THROAT DEPTH	PIPE JAW CAPACITY
K55	64055	Professional Workshop Vise	27 lbs (12.3 kg)	5-1/2" (14 cm)	7-1/2" (19.1 cm)	3-1/4" (8.3 cm)	1/8"-2-1/2" (.3-6.4 cm)
K65	64065	Professional Workshop Vise	38 lbs (17.3 kg)	6-1/2" (16.5 cm)	9" (22.9 cm)	3-7/8" (9.8 cm)	1/8"-3-1/2" (.3-8.9 cm)
KT4650	64650	Professional Reversible Mechanic's Vise	52 lbs (23.6 kg)	6-1/2" (16.5 cm)	9"-12" (22.9-30.5 cm)	4" (10.1 cm)	1/8"-4-1/4" (.3-10.8 cm)
KT4800	64800	Professional Reversible Mechanic's Vise	74 lbs (33.6 kg)	8" (20.3 cm)	11"-14" (28-35.6 cm)	4-7/8" (12.4 cm)	1/8" - 4-1/4" (.3-10.8 cm)

5-IN-1 INSPECTION GAUGE.....	86	867-1 1/4.....	18	0771558.....	90	CH-425.....	58	GA-274.....	55	H-556.....	47
41 MS-00.....	43	867-2.....	18	077185B*.....	90	CO-101.....	80	GA-275.....	55	H-798.....	47
57TT.....	26, 33, 50	867-2 1/2.....	18	077188B.....	90	CO-103.....	80	GA-286.....	55	H-1503.....	88
60 MS-27.....	43	867-3.....	18	082012.....	91	CO-105.....	80	GA-289.....	55	H-1813.....	88
70 MS-7.....	43	867-3 3/8.....	18	082122.....	91	CO-107.....	81	GA-290.....	55	H-2125.....	45
70 MS-27.....	43	867-4.....	18	082133.....	91	CO-109.....	81	GA-300-377.....	55	H-2126.....	45
80 MS-27.....	43	867-4 1/2.....	18	086100B.....	90	CO-111.....	81	GA-850-330.....	55	H-2127.....	45
89-2 WASV.....	76	867-5.....	18	086100S.....	90	CO-111R.....	81	GA-850-350.....	55	H-2225.....	45
89-3W.....	76	867-5 9/16.....	18	087100B.....	90	CO-112.....	81	GA-850-370.....	55	H-2227.....	45
89-3 WASV.....	76	867-6.....	18	087100S.....	90	CO-201.....	80	GA-850-377S.....	55	H-2228.....	45
89-3 WTK.....	76	867-6 7/8.....	18	100450.....	91	CO-204.....	81	GL-0014.....	82	H-2245.....	45
89CH-360.....	72	867-7 1/4.....	18	109176A.....	91	CO-301.....	80	GL-0016.....	82	H-2246.....	45
89-F17.....	71	867-7 3/4.....	18	109176B.....	91	CO-303.....	80	GL-0017.....	82	H-2247.....	45
89HKC-12.....	76	867-8.....	18	110203.....	91	CO-501.....	80	GL-0026.....	82	H-2248.....	45
89HKC-12M.....	76	867-8 1/2.....	18	125392.....	45	CO-701.....	80	GL-0027.....	82	H-2257.....	45
89HKC-24.....	76	867-9.....	18	126392.....	45	CO-800.....	81	GL-0031.....	82	H-2755.....	47
89HKC-24M.....	76	867-10.....	18	127392.....	45	CO-801.....	81	GL-0044.....	82	H-4000.....	19
89HKC-25C.....	76	867-10 3/4.....	18	127393.....	45	DS-1.....	46, 50	GL-0051.....	82	H-4000-1.....	19
89HKC-50.....	76	867-12.....	18	139698.....	86	DS-1C.....	46, 50	GL-0052.....	82	H-4361.....	19
89HKC-50C.....	76	867-12 1/2.....	18	139987.....	86	DS-210.....	28	GL-0053.....	82	H-4660A.....	58
89HKI-25.....	76	867-16.....	18	140230B.....	91	DS-210P.....	28	GL-0055.....	82	H-4660B.....	58
89-HKS.....	72	867-18 7/8.....	18	140233A.....	91	DS-215.....	28	GL-0056.....	82	H-5265.....	59
89HKT-12.....	76	867-22 1/2.....	18	225392.....	45	DS-226.....	28	GL-0058.....	82	H-6116.....	47
89HKT-12M.....	76	867-24 1/2.....	18	225393.....	45	DS-296.....	28	GL-0059.....	82	H-6116B.....	47
89HKT-24.....	76	867-LENGTH.....	18	227392.....	45	DS-385.....	16	GL-0062.....	83	H-7607.....	47
89HKT-24M.....	76	9775-5 1/2.....	15	227393.....	45	DS-390.....	16	GL-0063.....	83	H-8864.....	45
89HKT-50.....	76	9775-11.....	15	245392.....	45	DS-400-LENGTH.....	16	GL-0064.....	83	H-8964.....	45
89-HMVN.....	76	001004.....	91	246392.....	45	DT-105.....	55	GL-0065.....	83	H-27245.....	45
89HVI-25.....	76	001005.....	91	247392.....	45	DT-150.....	53	GL-0066.....	83	HE-200.....	46
89MTIS-3.....	72	001102.....	91	257392.....	45	DT-190.....	56	GL-0072.....	83	HE-201.....	46
89MTIS-5.....	72	001103.....	91	430632.....	88	E-3100-1.....	26, 33, 38	GL-0085.....	83	HE-202.....	46
89-PDI-R.....	74	001109.....	91	430732.....	86	E-3100-4A.....	26	GL-0093.....	82	HE-203.....	46
89PIU.....	70, 74	001402.....	91	407422.....	86	ES-300 CLOSED.....	75	GL-0097.....	82	HE-204.....	46
89TOW.....	69	1611.....	88	578632.....	86	ES-301.....	72	GL-0098.....	82	HE-340.....	44
89TPMS-CAPG.....	50	1612.....	88	578732.....	86	ES-301 OPEN.....	75	GL-0099.....	83	HE-341.....	44
89TRL-6B.....	74	1681.....	88	A-100-VC-1.....	50	ES-305 CLOSED.....	75	GL-0100.....	83	HE-342.....	44
89TWIN.....	74	001763.....	91	A-100-VC-2.....	50	ES-306.....	72	GL-0109.....	83	HE-343.....	44
89TWIN-DS.....	74	001834.....	91	A-100-VC-3.....	50	ES-306 OPEN.....	75	GL-0110.....	83	HE-344.....	44
89XDA.....	69	2755-L.....	47	A-100-VC-8.....	50	ES-307 CLOSED.....	75	GL-0115.....	83	HE-345.....	44
89XDB.....	70	3167.....	88	A-100-VC-9B.....	50	ES-308.....	75	GL-0132.....	82	HE-346.....	44
89-XDH.....	71	3611.....	88	A-100-VC-12.....	50	ES-308 OPEN.....	75	GL-0309.....	83	HE-347.....	44
89XDZ.....	70	3612.....	88	A-126.....	51	ES-309 CLOSED.....	75	GL-0423.....	82	HE-348.....	44
89XHB.....	70	4167.....	88	A-127.....	51	ES-310 OPEN.....	75	GL-0427.....	83	HE-369.....	45
89XMA.....	69	5007.....	47	A-128.....	51	ES-311 CLOSED.....	75	GL-0428.....	83	HE-370.....	45
89XTC.....	71	5120.....	82	A-144.....	50	ES-312 OPEN.....	75	GL-0500.....	83	HE-371.....	45
90 MS-27.....	43	5131.....	56	A-145.....	26, 50	ES-313 CLOSED.....	75	GL-0502.....	82	HE-372.....	45
1145-5 1/2.....	15	5267.....	88	A-147.....	38, 50	ES-314 OPEN.....	75	GL-0504.....	82	HE-373.....	45
1145-5 1/2.....	15	5976-5.....	51	A-148.....	50	FCSTBL.....	45	GL-0505.....	82	HE-381.....	45
1145-11.....	15	5976-6.....	51	A-149.....	37, 50	FE-300-LENGTH.....	46	GL-0506.....	83	HE-382.....	45
115 MS-27.....	43	008201.....	91	A-150.....	50	FMB-LENGTH.....	36	GL-0508.....	83	HE-383.....	45
000230.....	91	008202.....	91	A-151.....	50	FP-134.....	49	GL-0509.....	83	HE-389.....	45
000233.....	91	008221.....	91	A-152.....	29, 50	FP-135.....	49	GL-0510.....	82	HE-390.....	45
310.....	49	008222.....	91	A-155.....	50	FP-136.....	49	GL-0512.....	83	HE-390A.....	45
322.....	58	8807N-3.....	50	A-449.....	25	FP-137.....	49	GL-0596.....	83	HE-391.....	45
326.....	58	8807N-4.....	26, 33, 50	AD-1.....	50	FP-138.....	49	GL-1001.....	84	HE-391A.....	45
328.....	58	8909-C.....	57	AHP-15.....	94	FP-139.....	49	GL-1002.....	84	HE-392.....	45
377.....	58	9267.....	88	AHP-20.....	94	FP-140.....	49	GL-1003.....	84	HE-392A.....	45
451.....	51	10008.....	51	AHP-20H.....	94	FP-141F.....	49	GL-1004.....	84	HE-393.....	45
452.....	51	10009.....	51	AIS-500.....	86	FP-142.....	49	GL-1005.....	84	HE-393A.....	45
453.....	51	10013.....	58	AIS-800.....	86	FP-143.....	49	GL-1006.....	84	HE-394.....	45
463.....	51	10058.....	51	AIS-1250.....	86	FP-144.....	49	GL-1007.....	84	HE-395.....	45
464.....	51	10058B.....	51	AJ-30.....	92	FP-145.....	49	GL-1008.....	84	HE-396.....	45
500.....	89	00071.....	51	AJ-102.....	92	FP-146.....	49	GL-1009.....	84	HE-397.....	45
600.....	89	10171.....	46	AJ-106.....	92	G-160.....	51	GL-1010.....	84	HE-4430.....	45
621-5.....	46	11044.....	93	AJ-110.....	92	G-162.....	51	GL-1011.....	84	HN-17.....	51
753S-3 1/2.....	17	11911.....	88	AJ-506.....	92	G-165.....	51	GL-1012.....	84	HN-18.....	51
753S-4.....	17	11912.....	88	AJ-506-B.....	92	G-166.....	51	GL-2001.....	84	HN-21.....	51
753S-4 1/2.....	17	23800.....	95	AJ-1006.....	92	G-170.....	51	GL-2002.....	84	HN-22.....	51
753S-8.....	17	26140.....	95	ALSP.....	48	G-170S.....	51	GL-2101.....	84	HN-23.....	51
753S-9.....	17	26142.....	95	AQF-1.....	49	G-172.....	51	GL-2102.....	84	HTR-761.....	37
753S-10.....	17	29980.....	98	ASP-1.....	63	G-174.....	51	GL-2201.....	85	HT-Z-100.....	32
753S-11 1/2.....	17	29981.....	98	ASP-10.....	57	G-201.....	26	GL-2202.....	85	HX-24.....	52
753S-12.....	17	30512.....	98	B-6.....	48	G-202.....	26, 33	GL-2203.....	85	HX-44.....	52
753S-13 1/2.....	17	30721.....	99	B9-1.....	48	G-204.....	26, 33, 38	GL-2204.....	85	I-340-20.....	67
753S-16.....	17	31713.....	98	B9-2.....	48, 51	G-206.....	26, 33, 38	GL-2301.....	85	I-350-20.....	67
753S-17.....	17	31810.....	98	B-222.....	24, 51	G-550.....	51	GL-2302.....	85	I-400.....	66
753S-17 1/2.....	17	32119.....	99	B05012100S.....	26	GA-100.....	54	GL-2900.....	85	I-401.....	66
753S-18.....	17	33220.....	99	B070121007.....	33, 38	GA-100-DIS.....	54	GL-2906.....	85	I-402.....	66
753S-18 1/2.....	17	34549.....	99	B9A.....	48	GA-105.....	54	GL-2919.....	85	I-404.....	66
753S-19.....	17	34645.....	99	BBH-10.....	93	GA-105-DIS.....	54	GL-2928.....	85	I-405-3LOM.....	64
753S-20 1/2.....	17	34645C.....	99	C-10.....	12	GA-110M.....	54	GL-2939.....	85	I-405-3M.....	64
753S-21.....	17	34647.....	99	C-100.....	23	GA-115.....	54	GL-5901.....	87	I-405-6LOM.....	64
753S-21 1/2.....	17	34747.....	99	C-134.....	23	GA-115-DIS.....	54	GL-5902.....	87	I-405-6M.....	64
753S-22 1/2.....	17	35110.....	99	C-155.....	23	GA-120M.....	54	GL-5903.....	87	I-405-9LOM.....	64
753S-23.....	17	35323.....	96	C-533.....	96	CA-125.....	53	GL-5916.....	82	I-405-9M.....	64
753S-23 1/2.....	17	35359.....	96	CH-16.....	29	CA-130.....	53	GL-7381.....	87	I-405-12LOM.....	64
753S-24 1/2.....	17	35429.....	98	CH-300.....	60	CA-135.....	53	GL-7902.....	87	I-405-12M.....	64
753S-25.....	17	35440.....	98	CH-300-OP.....	60	CA-135S.....	53	GL-8482.....	87	I-405-LO.....	64
753S-29 1/2.....	17	35429.....	99	CH-305.....	59	GA-140.....	53	GL-8525.....	87	I-406M.....	64
753S-32.....	17	35444.....	98	CH-315.....	59	GA-145.....	54	GL-8675.....	87	I-408.....	66
810F-8.....	18	35595.....	99	CH-318.....	59	GA-146.....	54	GL-18000.....	87	I-409.....	66
810F-9.....	18	35630.....	99	CH-320.....	59	GA-150.....	53	GSC-A.....	54	I-440.....	64
810F-10.....	18	35635.....	99	CH-330-LO.....	60, 76	GA-155.....	53	H-20.....	91	I-440-3.....	64
810F-11 1/2.....	18	35637.....	99	CH-330-LO-OP.....	60, 76	GA-155S.....	53	H-22.....	91	I-440-6.....	64
810F-12.....	18	35775.....	96	CH-330-OP.....	60	GA-155S-RCL.....	53	H-41.....	12, 17	I-440-9.....	64
810F-13 1/2.....	18	35776.....	96	CH-333-LO.....	60	GA-155S-RCL-HD.....	53	H-42.....	17	I-440-12.....	64
810F-16.....	18	35848.....	98	CH-333-OP.....	60	GA-160.....	53	H-43.....	16	I-450.....	65
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