

**MAHLE**

# Shop Equipment

## Master Catalog



# MAHLE Service Solutions Shop Equipment

*In an industry that demands the best, MAHLE Service Solutions delivers the highest performance, most dependable equipment built – just ask the thousands of service centers that rely on MAHLE Service Solutions units every day.*

Our factory tested equipment is constructed to ensure it not only outlasts, but also outperforms other brands. The superior MAHLE Service Solutions experience does not end at the store; extensive warranty coverage and veteran sales support ensure you will have service needs completed quickly and without hassle. With the widest range of shop equipment, MAHLE Service Solutions has a product to fit any need and an experienced staff working for your success.



*MAHLE Service Solutions ACX equipment are certified by multiple Domestic, European, and Asian OE Manufacturers.*

*To complement the offering of A/C and fluid service equipment, MAHLE Service Solutions has partnered with Gray Manufacturing to provide a full line of the highest quality hydraulic and pneumatic equipment available for the professional service technician*

This equipment is manufactured in the USA and adheres to high standards promised in the MAHLE guarantee including the assurance of innovation and reliability that comes with the Gray Manufacturing name.

Manufactured by



MAHLE Service solutions offers the following lifting and shop equipment manufactured by Gray:

- Air lifts
- Axle jacks
- Brake service
- Component lifts
- Engine stands
- Fluid handling
- Forklift jacks
- Locknut sockets
- Mobile column lifts
- Service jacks
- Shop cranes
- Shop presses
- Vehicle support stands
- Vehicle lifts
- Wheel service

# Shop Equipment Catalog

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# About MAHLE Service Solutions

*For 30 years, MAHLE Service Solutions, a division of MAHLE Aftermarket, has specialized in the development and manufacturing of automotive tools and equipment. Our products and services are used in major OE vehicle manufacturing plants, dealerships, and independent aftermarket service providers around the world. We are one of the largest global supplier of OE dealership scan tools.*

*Widely known as RTI, prior to the acquisition by MAHLE Aftermarket in 2013, MAHLE Service Solutions was the first manufacturer of A/C recovery equipment with the introduction of the first fluid machine in 1995. Today our vehicle service products include manufacturing test systems, diagnostic tools, air conditioning service, refrigerant recovery, fluid exchange, and lifting equipment.*

## *First Choice Supplier*

The largest service chains and OEs choose MAHLE Service Solutions as their supplier of equipment. We listen to our customers to understand their needs as business partners for repair and service solutions.

## *Best-in-Class Solutions*

We analyze the market and offer timely, reliable, and valuable solutions with global availability; improving workshop productivity and total cost of ownership.

## *Best-in-Class Support*

We proactively and innovatively act to support the success and sustainability of our customers with hundreds of service centers and free lifetime technical support. A large number of field sales representatives are available to support you with on-site set-up and training – and we can customize a solution to fit your individual service need.

## *Experience*

Along with over 30 years of vehicle manufacturing and service testing, we have over 100 years as one of the top vehicle automotive suppliers of engine technology.

## *Reliable*

Our tools and equipment undergo a stringent quality control process – above the industry standard.

## *Industry-Leading*

Our warranty is one of the best in the industry; extensive and no-hassle coverage. Replacement parts are available for next-day delivery.

## *Technical Support*

We provide free lifetime technical support on all of our products through our toll-free number (800-468-2321), or through email at [tech.mss@mahle.com](mailto:tech.mss@mahle.com).



Over 30 million vehicles a year are tested with a MAHLE Service Solutions product in over 25,000 dealer and aftermarket service shops around the world. Visit [www.servicesolutions.mahle.com](http://www.servicesolutions.mahle.com) for more information.



# Refrigerant Handling Systems

Equipment ready to recover, recycle, and recharge R134a & R1234yf refrigerant.

Products:

- ArcticPRO® ACX2150
- ArcticPRO® ACX2180 / 2180H
- ArcticPRO® ACX2280
- ArcticPRO® ACX2250



# R134a A/C Handling Systems

## General Features:

- Innovative, ergonomic hinged service door simplifies unit service
- 7" capacitive touch screen and intuitive user interface
- Bright LED indicator light
- Wireless software update capability
- Automatic weighing of recovered oil
- Data management and reporting for refrigerant use optimization and warranty reporting
- Connectivity for remote technical support

## Model features

### ACX2150

460 80445 00

#### Distinguishing features:

- + Integrated automatic oil and UV dye injection for AC leak detection
- + Optional iOS and Android phone app for remote service session mirroring and advanced functionality

### ACX2180

460 80447 00

#### Distinguishing features:

- + EcoLOCK® R134a couplers
- + 3 transducers reduces process time
- + iOS and Android phone app for remote service session mirroring and advanced functionality included
- + Integrated automatic oil and UV dye injection for AC leak detection
- + Network printing capability
- + Database included

### ACX2180H

460 80448 00

#### Distinguishing features:

- + EcoLOCK® R134a couplers
- + 3 transducers reduces process time
- + iOS and Android phone app for remote service session mirroring and advanced functionality included
- + Network printing capability
- + Hybrid certified
- + Database included



## Model specifications

Specification	
Certifications	SAE J2843, SAE J2888, UL 1963
Charge performance	+/- 0.5 oz. at 70°F to 75°F (+/- 15g at 2°C to 24°C)
Recovery performance	95% at 70°F to 75°F (21°C to 24°C) within 30 minutes
Operation	Fully automatic
Charging cylinder	30 lb. (136 kg) DOT
Compressor	3/8 HP – 0.279kW
Dimensions (h x w x d)	47 in x 29 in x 29 in (119 cm x 74 cm x 74 cm)
Weight	215 lb. (98 kg)
Filter drier capacity	150 lb. (68 kg) spin-on type
Hoses	9 ft (2.75 m)
Languages	English, French, Spanish
Operating ranges	50°F to 122°F (10°C to 50°C)
Power source	120 VAC – 60 HZ – 12 AMP
Vacuum pump	2 CFM dual stage
Warranty	2 years parts - 1 year labor

## Related parts & accessories

Part number	Description
1 360 83254 00	Replacement high-capacity combo filter - ACX2180 & 2180H
2 360 82739 00	Replacement combo filter - ACX2150
3 360 82744 00	Calibration check ball
- 011 80070 00	Vacuum pump oil (1 quart)
4 023 80095 00	High side coupler - R134a
5 023 80096 00	Low side coupler - R134a

### Related Parts and Accessories



Please scan the QR code to view the available A/C parts and accessories.



Please scan the QR code to watch the overview video of this equipment.

# R1234yf A/C Handling Systems

## General Features:

- Innovative, ergonomic hinged service door simplifies unit service
- 7" capacitive touch screen and intuitive user interface
- Bright LED indicator light
- Wireless software update capability
- Automatic weighing of recovered oil
- Data management and reporting for refrigerant use optimization and warranty reporting
- Connectivity for remote technical support

## Model features

### ACX2250

460 80446 00

#### Distinguishing features:

- + Network printing capability
- + Non-integrated refrigerant identifier
- + Optional iOS and Android phone app for remote service session mirroring and advanced functionality

### ACX2280

460 80449 00

#### Distinguishing features:

- + Network printing capability
- + Integrated refrigerant identifier
- + EcoLOCK® R1234yf couplers
- + Included iOS and Android phone app for remote service session mirroring and advanced functionality



## Model specifications

Specification	
Certifications	SAE J2843, SAE J2888, UL 1963
Charge performance	+/- 0.5 oz. at 70°F to 75°F (+/- 15g at 21°C to 24°C)
Recovery performance	95% at 70°F to 75°F (21°C to 24°C) within 30 minutes
Operation	Fully automatic
Charging cylinder	30 lb. (136 kg) DOT
Compressor	3/8 HP – 0.279kW
Dimensions (h x w x d)	47 in x 29 in x 29 in (119 cm x 74 cm x 74 cm)
Weight	215 lb. (98 kg)
Filter drier capacity	150 lb. (68 kg) spin-on type
Hoses	9 ft (2.75 m)
Languages	English, French, Spanish
Operating ranges	50°F to 122°F (10°C to 50°C)
Power source	120 VAC – 60 HZ – 12 AMP
Vacuum pump	2 CFM dual stage
Warranty	2 years parts - 1 year labor

## Related parts & accessories

Part number	Description
1	360 83254 00 Replacement high-capacity combo filter
2	360 82950 00 High side coupler R1234yf
3	360 82951 00 Low side coupler R1234yf
4	360 82744 00 Calibration check ball
-	011 80070 00 Vacuum pump oil (1 quart)
5	026 80128 00 Internal RFID filter ID900, ID1000, & ID2000

### Related Parts and Accessories



Please scan the QR code to view the available A/C parts and accessories.



Please scan the QR code to watch the overview video of this equipment.

## ArcticPRO® A/C Handling Systems Feature Comparison

Feature	R134a			R1234yf	
	ACX2150	ACX2180	ACX2180H	ACX2250	ACX2280
Fully-automatic	■	■	■	■	■
Multilingual display	■	■	■	■	■
2-Year limited warranty	■	■	■	■	■
High & low side refrigerant charging	■	■	■	■	■
Vacuum leak test	■	■	■	■	■
Notification alarm	■	■	■	■	■
Refrigerant & filter management	■	■	■	■	■
Automatic oil drain	■	■	■	■	■
Automatic air purge	■	■	■	■	■
E <sup>3</sup> (EcoLOCK®) quick couplers	▲	■	■	▲	■
Included database		■	■		■
On-board integrated thermal printer	▲	▲	▲	▲	▲
Remote technical support and service	■	■	■	■	■
Integrated hose flushing (hybrid models only)			■	■	■
Hybrid-capable			■	■	■
2.0 CFM vacuum pump	■	■	■	■	■
Shock-mounted load cell	■	■	■	■	■
Integrated identifier					■
Internal identifier (separate sample hose)				■	
Automatic dye injection	■	■			
Touch screen	7"	7"	7"	7"	7"
Alphanumeric screen					
App monitoring	▲	■	■	▲	■
Automatic software updates	■	■	■	■	■
Enterprise data management / reporting	■	■	■	■	■

■ = Included

▲ = Optional

## ArcticPRO® A/C Handling Systems parts & accessories

Part number	Description
1	026 80635 00 LD-2 UV leak detector
2	360 83104 00 Universal AC flush kit R1234yf & R134a
3	026 80707 00 A/C lubricant & dye injector R1234yf master kit
4	360 81733 00 A/C Leak detector sealant starter kit
-	026 80309 00 Leak detector sealant cartridges - 25 pack
5	360 82641 00 A/C oil injection starter kit - PAG
6	360 83363 00 A/C oil injection starter kit - POE
-	011 80058 00 8oz PAG oil cartridge
-	011 80061 00 4 oz PAG oil cartridge
-	026 80092 00 Heater belt
7	026 80785 00 Dust cover for all ACX2XXX series units
-	026 80697 00 Dust cover for the ACX1120, ACX1150, and ACX1250
-	360 83014 00 Dust cover for the ACX1280 and ACX1180



More accessories on next page ➡



Please scan the QR code to view all available A/C parts and accessories.

## ArcticPRO® A/C handling systems parts & accessories

Part number	Description
8	360 82944 00 Internal R1234yf refrigerant identifier replacement kit
9	360 83269 00 ACX2XXX series thermal printer field installation kit
10	023 80147 00 Adapter .5ACME female x low FSC
11	360 80844 00 R134a Vacuum pump adapter
-	360 81618 00 Inline A/C filter elements - 10 pack
-	023 80463 00 High side coupler R134a - ECOLOCK
-	023 80464 00 Low side coupler R134a - ECOLOCK
-	023 80467 00 High side coupler R1234yf - ECOLOCK
-	023 80468 00 Low side coupler R1234yf - ECOLOCK
-	360 82948 00 High side service hose R1234yf for all R1234YF units - 9 ft.
-	360 82949 00 Low side service hose R1234yf for all R1234YF units - 9 ft.
-	028 80532 00 High side service hose R134a for ACX1120 and ACX1150 - 9 ft.
-	028 80533 00 Low side service hose R134a for ACX1120 and ACX1150 - 9 ft.
-	028 80035 02 High side service hose R134a - 11 ft.
-	028 80036 02 Low side service hose R134a - 11 ft.
12	360 82682 00 Replacement thermal printer paper, 5 rolls, fits ACX2XXX series
-	360 83110 00 Replacement thermal printer paper, 5 rolls, fits ACX1120 and ACX1150
-	360 82175 00 Preventative maintenance kit for ACX1180
13	026 80776 00 Combo filter kit for ACX1120H, ACX1150 & 1150H, ACX1250 - 3/8" MFL
-	360 83255 00 Vehicle database activation license
-	360 83256 00 Phone app activation license





# Fluid Exchange Systems

A full line of fluid exchange systems designed to extract used or contaminated fluids with no messy cleanup.

Products in this section:

- ATX – Transmission fluid exchange systems
- BFX – Brake fluid exchange systems
- MCX – Coolant exchange systems
- VCX – Vacuum coolant exchange systems
- FHS – Fluid handling systems
- EV-1 – Exhaust ventilation systems



## Transmission Fluid Exchange

### ATX-3

400 80009 00

#### Features:

- "Dipstick" or "Cooler" mode
- Start engine indicator
- Electronic diode illuminated keypad
- Fluid flow direction indicator
- Transmission diagnostic pressure gauge
- New and used fluid sight glasses
- Automatic fluid level adjustment +/- 1/2 quarts
- Digital weight scale
- Patented bypass circuit
- Fast full exchange service times of 2-5 minutes and 8-14 minutes in "Dipstick" mode



ATX-3

### ATX-280

See Account Manager for P/N

#### Features:

- 7" touchscreen LCD display
- Graphical interface
- Integrated database
- Automatic oil flow direction detection
- WiFi connection
- Remote printing capability
- App for remote display
- Interchangeable tank
- Fast full exchange service times of 2-5 minutes and 6-10 minutes in "Dipstick" mode



ATX-280

# Model specifications

Specification	ATX-3	ATX-280
<b>Adapters</b>	Includes standard adapter kit	Includes standard adapter kit
<b>Controls</b>	Microprocessor with digital keypad & light emitting diodes	7" touch screen LCD display
<b>Dimensions (H x W x D)</b>	45 in x 28 in x 26.5 in (112 cm x 70 cm x 67 cm)	47 in x 29 in x 29 in (120 cm x 74 cm x 74 cm)
<b>Fluid tanks / types</b>	26 quarts (24.6 liters) each - both new & used fluids	25 quarts (23.6 liters) each - both new & used fluids
<b>Hoses</b>	10 ft. (3 m) black & red (exchange); 8 ft. (2.5 m) black (empty used tank) ATX-3+Boost also includes 5 ft. (1.5 m) clear, attached to 8 ft. (2.5 m) black hose for dipstick mode	10 ft. (3 m) service hoses, 5 ft. (1.5 m) for draining the waste oil); also includes 5 ft. (1.5m) clear, attached to 5 ft. (1.5m) black hose for dipstick mode
<b>New fluid pump</b>	Positive displacement gear pump, 4 quarts (3.8 liters) per minute/ includes diaphragm pump, 7.2 quarts (6.84 liters) per min.	2 X hydraulic oil pumps of 10 liters per min each; PWM-controlled
<b>Operating range</b>	Cooler Mode: 32°F to 122°F (0°C to 50°C) Dipstick Mode: 42°F to 122°F (5.5°C to 50°C)	41°F to 122°F (5°C to 50°C)
<b>Power source</b>	12 VDC - 10 Amp	110/230 V, 50-60Hz
<b>Process time</b>	3 to 6 minutes average	2 to 5 minutes
<b>Scale accuracy</b>	±0.03% over usable range	±0.03% over usable range
<b>Warranty</b>	1 year parts & labor	1 year parts & labor
<b>Weight</b>	244 lbs. (111 kg)	136 lbs. (62 kg)

# Adapters / accessories

	Part number	Model	Description
1	300 80048 00	ATX-3, ATX-280	ATX standard adapter kit
2	300 80049 00	ATX-3, ATX-280	Deluxe ATX adapter kit (includes many foreign vehicle adapters)
3	300 80051 00	ATX-3	Sight glass kit, sight glass bowl, filter, o-ring (2 ea.)
-	300 80129 00	ATX-3, ATX-280	Kit adapter, european - extended
-	300 80052 00	ATX-3, ATX-280	By-pass adapter hose



## Brake Fluid Exchange

### BFX-10

470 80016 00

#### General features:

- Fitted with an infinitely variable pressure regulator
- Suitable for ABS, ESP, EDS and SBC
- Hydraulic pump
- Pulsating fluid flow to pressurize air bubbles out of the braking system
- Automatic switch-off on empty container
- Pressure-less decoupling from vehicle
- Venting of device during container changeover not necessary

#### Distinguishing features:

- + Portable and light weight for easy hand held mobile use
- + One-man operation of the mobile device is possible
- + Two Universal adapters included



BFX-10

### BFX-20

425 80011 00 / 425 80014 00 (with adapter)

#### Distinguishing features:

- + Adapters included
- + Additionally fitted with the BFX PLUS extraction system
- + One-man operation of the mobile device is possible
- + Removable tool tray



BFX-20



Please scan the QR code to watch the BFX-20 set up video.

## Model specifications

Specification	BFX-10	BFX-20
Working pressure	5 - 50 psi	5 - 50 psi
Weight	15.4 lbs	46 lbs
Power supply	110V, 60Hz	110V, 60Hz
Length	15.3 in	16 in
Width	9.8 in	16 in
Height	16.1 in	40 in
Filling hose length	11.5 ft	11.3 ft
Maximum container size	13.8L / 1 gal	5L / 1.3 gal

## Adapters / accessories

	Part number	Description
1	026 80354 00	Brake fluid test strips, FASCAR® 100 strips
2	026 80734 00	Waste fluid collection bottle with bleeder connection and handle 1L
3	026 80735 00	Waste fluid collection bottle with quick connect fitting 1L
4	026 80736 00	New fluid container 5L
5	026 80791 00	In-line filter waste fluid suction hose
6	325 80118 00	Kit BFX standard adapters with case

1



2



2



4



5



6



More accessories on page 22.

## Multi-Coolant Fluid Exchange



MCX-2

### MCX-2

470 80030 00

#### General features:

- Compatible with all coolant types
- Two 7.5 gal new coolant tanks and one 15 gal waste tank
- Automatic pump shut-off
- Drip-proof tank connectors
- Service times of 3 minutes
- Visible fluid level indicators
- Easy to read gauges
- Powered by 12V power supply clips

### MCX-2F

470 80031 00

#### Distinguishing features:

- + Includes flush bypass loop & flow indicator

### MCX-2HD

470 80032 00

#### Distinguishing features:

- + Larger capacity fill tanks and step adapters

## Model specifications

Specification	
<b>Adapters</b>	Step adapters: universal; 2 sets; 1-1/4 in to 1-3/4 in range (3.2 cm to 4.4 cm) diameter / Hose adapters: universal; 2 hoses, 1-1/4 in to 1-3/8 in (3.2 cm to 3.5 cm) and 1-1/2 in to 1-3/4 in. (3.8 cm to 4.4 cm) diameter
<b>Coolant exchange</b>	92 to 98% single pass, average exchange for most vehicles
<b>Dimensions (H x W x D)</b>	45 in x 38 in x 22.5 in (114 cm x 97 cm x 57 cm)
<b>Fluid tanks / types</b>	Contains two 7.5 gal new coolant tanks
<b>Hoses</b>	8 ft (2.4 m) green (new fluid) hose and 8 ft (2.4 m) black (used fluid) hose with clear section. 10 ft clear (system pressure relief) hose
<b>Hose connection</b>	3/8 in (9.5 mm); quick connect/disconnect
<b>Operating range</b>	32°F to 122°F (0°C to 50°C)
<b>Power source</b>	12 VDC - 10 Amp
<b>Process time</b>	<3 minutes average (full exchange)
<b>Pumps</b>	2 gal. (7.9 liter) per minute fill: diaphragm type / drain: impeller type
<b>Warranty</b>	1 year parts & labor
<b>Weight</b>	170 lbs. (77 kg)

## Adapters / accessories

	Part number	Model	Description
-	370 80002 00	MCX-2, MCX-2F	Step adapter, 3/8", 1/2"
-	370 80003 00	MCX-2, MCX-2F	Step adapter, 5/8", 3 7/8"
-	370 80004 00	MCX-2, MCX-2F	Step adapter 1.125" To 1.375"
-	370 80005 00	MCX-2, MCX-2F	Step adapter 1.50" To 1.75"
-	370 80019 00	MCX-2, MCX-2F	Kit standard with MCX machines, hoses, adapters, hose clamps, wand
<b>1</b>	370 80033 00	MCX-2	Flush hose assembly
-	370 80048 00	MCX-2, MCX-2F	Step adapter 2" to 2.5"
<b>2</b>	370 80172 00	MCX-2, MCX-2F	Adapter, BMW 3 & 5 series, 1999 & newer
<b>3</b>	370 80173 00	MCX-2, MCX-2F	Adapter, Saturn pressurized reservoir
<b>4</b>	370 80175 00	MCX-2, MCX-2F	Adapter Audi S4, 2001 V6 twin turbo
-	370 80204 00	MCX-2, MCX-2F	Waste tank, 15 gal. Includes fitting, float switch, auto shut-off
-	370 80239 00	MCX-2, MCX-2F	Adapter, Ford 6.4L & 6.7L diesel
-	370 80252 00	MCX-2, MCX-2F	Fill tank, 7 gal. Includes fitting, tube, filter, check valve
-	370 80123 00	MCX-2HD	Heavy duty adapter kit

1



2



3



4



## Vacuum Coolant Exchange

### VCX-1

470 80019 00

#### General features:

- Color coded function valves
- Easy coolant selection/changeover
- Fluid flow direction indicator
- Fast service times of 5-15 minutes
- Vacuum gauge
- Pressure relief valve on waste fluid cylinder
- No-leak end cap design
- Powered by shop air

#### Distinguishing features:

- + Two (2) cylinders: one (1) waste, one (1) new

### VCX-4

470 80020 00

#### Distinguishing features:

- + Four (4) cylinders: two (2) waste, two (2) new



VCX-1



VCX-4

## Model specifications

Specification	VCX-1	VCX-4
<b>Adapters</b>	2 cone plugs; 8 in (20 cm) hose adapter	2 cone plugs; 8 in (20 cm) hose adapter
<b>Controls</b>	Ball valves w/ color-match system	Ball valves w/ color-match system
<b>Coolant cylinders</b>	20 quart (18.9 liter) each	20 quart (18.9 liter) each
<b>Dimensions (H x W x D)</b>	63 in x 28 in x 22.5 in (160 cm x 71 cm x 57 cm)	63 in x 28 in x 29 in (160 cm x 71 cm x 74 cm)
<b>Fluid tanks / types</b>	Any coolant type	Any coolant type
<b>Hoses</b>	Clear, wire reinforced 10 ft. (3 m)	Clear, wire reinforced 10 ft. (3 m)
<b>New fluid pump</b>	Venturi vacuum generator; 28 inHg (0.95 bar) maximum	Venturi vacuum generator; 28 inHg (0.95 bar) maximum
<b>Power source</b>	Shop air, 55 to 110 psi (3.8 to 76 bar)	Shop air, 55 to 110 psi (3.8 to 76 bar)
<b>Process time</b>	5 to 15 minutes average	5 to 15 minutes average
<b>Warranty</b>	1 year—parts & labor	1 year—parts & labor
<b>Weight</b>	166 lb. (75 kg)	200 lb. (91 kg)

## Adapters / accessories

Part number	Description
-	060 81215 00 Cone plug adapter
1	370 80071 00 Cone and hose adapter kit
-	370 80095 00 Radiator pressure relief adapter kit

1



## Multi-Fluid Exchange

### FHS-100

035 80921 00

#### Features:

- Choice of either filling or removing fluids - simple change with a quick turn of the control knob
- Oil extraction tube for dipstick tube extraction
- Brake fluid adapter for brake bleeding
- General purpose tube with shut-off valve and semi-rigid flex end
- Rigid tube attachment for filling of front or rear differentials, transmissions, transfer cases or pumps
- Interchangeable attachments using a single-handed operating coupler on top of the unit
- Includes adapters



## Model specifications

Technical feature	Specification
Dimensions (H x W x D)	24 in x 10 in x 10 in (60.96 cm x 25.4 cm x 25.4 cm)
Fluid tank capacity	6.0L (1.5 gal)
Power source	Air
Max pressure	120 PSIG
Weight	7 lbs (3.18 KG)
Warranty	1 year-parts & labor

## Adapters / accessories

Description	
1	Brake bleeding tube adapter
2	Dipstick tube adapter
3	General purpose tube adapter

1



2



3



# Exhaust Ventilation System

## EV-1

435 80001 00

### Features:

- Compact design with locking casters
- Powerful motor
- Low noise rating
- Heat-resistant hose
- Spring loaded for height adjustment



## Model specifications

Technical feature	Specification
A-weighted surface noise rating	Corrected LpAm = 73 dB(A)
Flow capacity	270 CFM (460 CMH)
Fuses	Qty. (2); 16 amp time delayed; 0.39 in x 1.49 in (10 mm x 38 mm)
Hose	40 ft. (12 m) long; 5 in (12.7 cm) diameter
Motor	110 VAC (0.75 HP)
Power source	Minimum 6 amp
Warranty	1 year-parts & labor

## Adapters / accessories

Part number	Description
1 335 80001 00	Dual exhaust adapter kit

1



## FluidPRO® Fluid Exchange Systems parts &amp; accessories

Part number	Model	Description
000 80110 00	ATX-3, ATX-280	ATX adapter kit, Volkswagen / Ford, vehicles with DSG trans
000 80117 00	ATX-3, ATX-280	ATX adapter 56/56a, BMW X5-X6, 2007-2009
025 88001 00	BFX-10, BFX-20	Adapter BA01, three tab, twist on with expandable o-ring
025 88002 00	BFX-10, BFX-20	Adapter BA02, two tab, twist on with expandable o-ring
025 88003 00	BFX-10, BFX-20	Adapter BA03, three tab plastic twist cap
025 88004 00	BFX-10, BFX-20	BFX adapter BA04, three tab plastic twist cap
025 88005 00	BFX-10, BFX-20	BFX adapter BA05, for threaded master cylinder reservoirs
025 88006 00	BFX-10, BFX-20	BFX adapter BA07, all vehicles with a round master cylinder.
025 88007 00	BFX-10, BFX-20	BFX adapter BA08, vehicles with reservoirs with round opening
025 88008 00	BFX-10, BFX-20	BFX adapter BA09, Honda reservoirs with round opening
025 88009 00	BFX-10, BFX-20	BFX adapter BA010, Toyota reservoirs with small round opening
025 88010 00	BFX-10, BFX-20	BFX adapter BA011, Toyota reservoirs with large round opening
025 88011 00	BFX-10, BFX-20	BFX adapter BA012, universal cast
025 88012 00	BFX-10, BFX-20	BFX adapter kit BA014, hydraulic clutch flush kit.
025 88014 00	BFX-10, BFX-20	BFX adapter BA013, Nissan Altima, Xterra
025 80326 00	MCX-2, MCX-2F	Fuse, special low blow
026 80250 00	MCX-2, MCX-2F	Sight glass bowl, includes filter, o-ring, filter housing
370 80052 00	MCX-2, MCX-2F	Sticks PH measuring - bottle of 70
370 80049 00	MCX-2, MCX-2F	90° hose adapter, 1-1/4" to 1-3/8"
370 80050 00	MCX-2, MCX-2F	90° hose adapter 90°, 1-1/2" to 1-3/4"
370 80051 00	MCX-2, MCX-2F	90° hose adapter 90°, 2" to 2-1/2"
370 80165 00	MCX-2, MCX-2F	Impeller kit, early model with 3-screw pump cover, Jabsco pump
370 80166 00	MCX-2, MCX-2F	Impeller kit, current model with 4-screw pump cover
370 80169 00	MCX-2, MCX-2F	Wand, complete
370 80185 00	MCX-2, MCX-2F	Waste tank assembly, round
370 80047 00	MCX-2, MCX-2F	Assembly adapter insulated 1.5 To 1.75 MCX



Please scan the QR code to view all available fluid exchange parts and accessories.



## Sanitation and deodorizing

The OzonePRO is a high-capacity, portable Ozone generator, and in certified lab tests demonstrated up to a 99.7% reduction in the number of active bovine coronaviruses after a 35-minute cleaning cycle.



## Ozone Generator

The **OzonePRO**, a high-capacity (5,000 mg/h) portable **Ozone Generator**, demonstrated up to a **99.7% reduction in the number of active bovine coronaviruses** after a 35-minute cleaning cycle, in certified laboratory tests conducted by Eurofins Biolab.

Every environment has different requirements for how long and how much ozone should be generated during a sanitization process, depending on the specific **volume of air, temperature and humidity, the interiors' composition, and cleaning level**. The MAHLE exclusive **Multi-function Sensor** controls every step of the sanitizing process based on the vehicle's environmental and internal parameters. It continuously measures and controls the ozone concentrations produced in the environment and keeps levels constant while simultaneously avoiding excessive ozone volumes.

The design and precise engineering of the OzonePRO ensure proper sanitation is achieved thanks to the extensive expertise of MAHLE, a global leader in the manufacture of automotive filtration systems.

### Smart operability guaranteed by MAHLE.

Adding OzonePRO as part of your work routine is super simple.

Extremely portable and weighing just under 9lbs, the OzonePRO can easily be used inside a vehicle's cabin, thanks to a 12V cigarette lighter socket. Just place the unit inside the area to be sanitized, connect the power supply, press Start, and the device will do the rest, informing the technician when the sanitization process is complete.

Like all the other devices from MAHLE Aftermarket, **OzonePRO has its own app, O3 Easy**. The app allows technicians to manage the device and remotely monitor its processes.

A final **Sanitation Report** can be printed or sent to the customer at the end of the process, thus adding even more value to already excellent service.

### Features:

- Easy to use, safe and 100% environmentally friendly
- Removes odors without the need for chemicals
- Built for use in car, bus, and truck interiors
- Ideal solution for dealerships and shops
- Comes equipped with its own app – O3 Easy
- Extremely portable, weighing under 9lbs
- Powered by a vehicle's 12V cigarette lighter socket
- Available in AC or DC power supply versions



## Model specifications

Specification	
Capacity	5,000 mg/h
Bluetooth	+
Sensor	Ozone, temperature, humidity, barometric pressure
Status indicators	LED
Remote control App	Apple App Store / Google Play Store
Power	70 W
Power supply	120v/220v power supply optional
Dimensions	14 in x 11 in x 11.33 in (360 mm x 280 mm x 288 mm)
Weight	6 lb. 10 oz (3 kg)

## Products & accessories

Part number	Description
490 80003 00	OzonePRO generator w/AC power supply combo
490 80001 00	OzonePRO generator 12VDC
490 80002 00	AC to DC power supply 220V/120V



Please scan the QR code to watch the overview video of this equipment.



# Heavy Duty Lift Equipment

A full line of the highest quality hydraulic and pneumatic equipment available for the professional service technician.

Products in this section:

- Air lifts
- Axle jacks
- Brake service
- Component lifts
- Engine stands
- Fluid handling
- Forklift jacks
- Locknut sockets
- Mobile column lifts
- Service jacks
- Shop cranes
- Shop presses
- Vehicle support stands
- Vehicle lifts
- Wheel dollies
- Wheel end service



# Wireless Mobile Column Lifts

## CML-7 / CML-9 / CML-9W

485 80094 00 / 485 80098 00 / 485 80102 00

### Features:

- Heavy Duty Lifting Capacity - 14,000 lb (CML-7) and 19,000 lb (CML-9) per column capacity options. Wide base available in 19,000 lb capacity (CML-9W)
- Intelligent patented wireless smart lift technology
- Simple tablet-based touch screen with onboard manuals, videos, and internet
- Broad application, heavy-duty through light-duty vehicles
- Fully adjustable carriage, 12" forks supports wheel diameter from 5" to 24.5"
- Patent-pending down-stop visual safety system
- Adjustable lift height up to 69" (1753 mm)
- 24-volt mobile column, with a wide, adjustable carriage for over-sized tire engagement
- Features the industry's original wireless communication system, state of the art touch screen graphic control system, and a patented self-centering adjustable carriage, providing the user with the most reliable and safe lifting environment
- No external wires or cords providing clear and safe access to the undercarriage of the vehicle
- When used at full operating height, the user is provided with a lift height of 69 inches of free-and-clear access perfect for preventative maintenance; transmission removal and installation; clutch replacements; and with single and paired operation make easy work of axle, brake, and wheel work
- Sold in sets of 2, 4, 6 or 8 allowing users a capacity range of 26,500 lbs to 148,000 lbs



Please scan the QR code to watch the overview video of this equipment.

## Mobile column lift specifications

	CML-7	CML-9	CML-9W
<b>Part number</b>	485 80094 00	485 80098 00	485 80102 00
<b>Capacity (each)</b>	14,000 lb (6,350 kg) – 7 ton	19,000 lb (8,165 kg) – 9.5 ton	19,000 lb (8,165 kg) – 9.5 ton
<b>Min / max wheel diameter</b>	5 in / 24.5 in (127 mm / 622 mm)	5 in / 24.5 in (127 mm / 622 mm)	4 in (102mm) – no max
<b>Min (2) / max (4) lift height</b>	32 in / 69 in (813 mm / 1,753 mm)	32 in / 69 in (813 mm / 1,753 mm)	32 in / 69 in (813 mm / 1,753 mm)
<b>Weight</b>	1,485 lb (674 kg)	1,510 lb (685 kg)	1,575 lb (714 kg)
<b>Height</b>	88.5 in (2,248 mm)	88.5 in (2,248 mm)	88.5 in (2,248 mm)
<b>Height (full lift)</b>	157.13 in (3,991 mm)	157.13 in (3,991 mm)	157.13 in (3,991 mm)



The patented Gray Wireless Portable Lift System improves a shop's safety, productivity, and flexibility. The wireless lift system family raises a wide variety of vehicles allowing technicians to safely and efficiently complete preventative maintenance tasks prior to major component repair.



## Mobile column lift adapters

	Part Number	Model Number	Description
-	480 80110 00	CAD-FL	Fork lift adapter
-	485 80111 00	CAD-FL3	3rd wheel fork lift adapter
1	485 80112 00	CAD-CB	Cross beam adapter
2	485 80113 00	CAD-EL	End lift adapter
3	485 80156 00	CAD-120ML	Trailer king pin adapter
4	485 80162 00	CAD-CBEX5	15" tall post kit for CAD-CB - height extension
5	485 80163 00	CAD-CBEX9	19.5" tall post kit for CAD-CB - height extension
6	485 80132 00	CAD-15FCO	Ford cab off adapter
7	485 80131 00	CAD-240ML	Snow plow adapter

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## Mobile column lift accessories

	Part Number	Model Number	Description
1	485 80106 00	CML-LED	LED light kit
2	485 80126 00	CAR-20	2,000 lb rear axle restraint
3	485 80164 00	CML-CRFK	Cord reel retrofit kit
4	485 80157 00	CML-4PL	Wrap around protective cover

1



2



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4



# High Rise Vehicle Support Stands

## CSS-7H

485 80107 00

### General features:

- The safest high-rise vehicle support stand in the industry
- Gas-spring assisted lift post
- Gas shock technology makes it easy to reach contact and starting heights
- 5 1/2" lift pad screw adjustable range

### Distinguishing features:

- + 7.5 ton support capacity

## CSS-9H

485 80108 00

### Distinguishing features:

- + 9 ton support capacity

## CSS-10H

485 80109 00

### Distinguishing features:

- + 10 ton support capacity



CSS-7H



CSS-10H



## Model specifications

Specification	CVS-7H	CVS-9H	CVS-10H
Capacity (each)	14,000 lb (6,350 kg)	18,000 lb (8,165 kg)	20,000 lb (9,072 kg)
Base	21.8 in x 21.8 in (55 cm x 55 cm)	-	21.8 in x 21.8 in (55 cm x 55 cm)
Minimum start height	53.1 in (135 cm)	48.8 in (124 cm)	53.4 in (136 cm)
Maximum lift height	72.1 in (183 cm)	84 in (213 cm)	72.1 in (183 cm)
Adjustment increments	2.8 in (7 cm)	2.8 in (7 cm)	2.8 in (7 cm)
Screw extension	3 in (8 cm)	5.5 in (14 cm)	2.8 in (7 cm)
Weight	105 lb (48 kg)	145 lb (66 kg)	115 lb (52 kg)

## Air Lifts

### CBJ-10A

485 80019 00

#### Features:

- Designed for spring, tire, and brake work on agricultural sprayers and equipment
- 100% air operated
- Built-in vehicle support stand feature
- Multiple width saddle options included
- Removable handle
- Can be used in pairs with the air valve T-connector



Manufactured by



## Model specifications

Specification	CBC-J-10A
Capacity	20,000 lb (9,072 kg)
Minimum start height	50 in (127 cm)
Minimum start height with wide saddle	50 in (126 cm)
Maximum lift height	68 in (172 cm)
Maximum lift height with wide saddle	67 in (169 cm)
Saddle width	6.25 in (16 cm)
Wide saddle width	9.875 in (25 cm)
Pin increment positions	2.5 in (6.35 cm)
Stroke	9625 (24 cm)
Width	26 in (66 cm)
Length	27.5 in (70 cm)
Weight	290 lb (132 kg)
Required air pressure	200 psi

## CLS-10

485 80017 00

### General features:

- Integrated lift and support stand
- 100% air operated
- Removable handle with two wheels
- Optional air valve tee connector

### Distinguishing features:

+ 10 ton

## CLS-15

485 80018 00

### Distinguishing features:

+ 15 ton



## Model specifications

Specification	CLS-10	CLS-15
Capacity	20,000 lb (9,072 kg)	30,000 lb (13,608 kg)
Minimum start height	17.5 in (44 cm)	176 in (45 cm)
Maximum lift height w/ extension	52.5 in (133 cm)	52.3 in (133 cm)
Maximum lift height w/o extension	37.5 in (95 cm)	37.3 in (95 cm)
Cylinder bore	12 in (30 cm)	14 in (36 cm)
Required air pressure	200 psi (13.8 bar)	200 psi (13.8 bar)
Overall length w/ handle	48 in (122 cm)	58.5 in (149 cm)
Overall length w/o handle	19 in (48 cm)	25.5 in (65 cm)
Wheel diameter	5 in (13 cm)	5 in (13 cm)
Stroke	10 in (25 cm)	10 in (25 cm)
Inside saddle width	4.5 in (11 cm)	4.8 in (12 cm)
Overall saddle width	5.3 in (13 cm)	5.5 in (14 cm)
Extension tubes	Square	Square
Handle length	29 in (74 cm)	36.5 in (93 cm)
Weight	138 lb (63 kg)	230 lb (104 kg)

## Air Lifts

### CWL-10

485 80089 00

#### General features:

- Built-in vehicle support stand feature allows complete open access under the vehicle
- Dual trigger control valve allows synchronized raising and lowering of vehicle
- US Patent #D357,106 & 5,484,134

#### Distinguishing Features:

- + Handles wheel sizes from 21" to 24.5"
- + Optional small wheel adapters to accommodate 14" to 21" wheels

### CWL-15

485 80090 00

#### Distinguishing features:

- + Handles wheel sizes from 21" to 24.5"
- + Optional small wheel adapters to accommodate 14" to 21" wheels

### CWL-20

485 80091 00

#### Distinguishing features:

- + Handles wheel sizes 19.5" to 24.5"
- + Small wheel adapters included to accommodate 16" to 19.5" wheels

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CWL-10



CWL-15



CWL-20

## Model specifications

Specification	CWL-10	CWL-15	CWL-20
Capacity per set	20,000 lb (9,072 kg)	30,000 lb (13,608 kg)	40,000 lb (18,143 kg)
Minimum start height	Floor level	Floor level	Floor level
Maximum lift height	24 in (61 cm)	24 in (61 cm)	30 in (76 cm)
Power	Air	Air	Air
Required air pressure	160 psi (11 bar)	160 psi (11 bar)	160 psi (11 bar)
Stroke	24 in (61 cm)	24 in (61 cm)	30 in (76 cm)
Minimum wheel diameter (w/ adapters)	16 in (41 cm)	16 in (41 cm)	14 in (36 cm)
Minimum wheel diameter (w/o adapters)	19.5 in (50 cm)	19.5 in (50 cm)	21 in (53 cm)
Maximum wheel diameter	24.5 in (62 cm)	24.5 in (62 cm)	24.5 in (62 cm)
Dimensions – in (H x W x D)	53.3 in x 416 in x 44.3 in	53.3 in x 416 in x 44.3 in	63 in x 45 in x 44 in
Dimensions – cm (H x W x D)	135 cm x 106 cm x 112 cm	135 cm x 106 cm x 112 cm	160 cm x 114 cm x 112 cm
Weight	1,000 lb (454 kg)	1,500 lb (680 kg)	1,965 lb (891 kg)

## Adapters / accessories

Part number	Description
485 80092 00	Small wheel adapter for 16"-19" wheels

## Axle Jacks



### CAJ-25

485 80051 00

#### Features:

- QuickLift® feature, internal design raises the ram to the load at a quicker rate of speed
- Low starting height of 8" allows for easy positioning and spotting underneath low profile vehicles
- Patent pending air ram retract feature allows the user to reset the ram back to minimum starting height without reconnecting the hose

#### Distinguishing features:

- + 25 ton

### CAJ-25LP

485 80053 00

#### Distinguishing features:

- + Large pad

### CAJ-25S

485 80052 00

#### Distinguishing features:

- + Short handle

### CAJ-35

485 80054 00

#### Distinguishing features:

- + 35 ton

Manufactured by



## Model specifications

Specification	CAJ-25	CAJ-25LP	CAJ-25S	CAJ-35
Capacity	50,000 lb (22,680 kg)	50,000 lb (22,680 kg)	50,000 lb (22,680 kg)	70,000 lb (31,751 kg)
Minimum start height	8 in (20 cm)	-	8 in (20 cm)	-
Maximum lift height	21 in (53 cm)	-	21 in (53 cm)	-
Power source	Air / hydraulic	-	Air / hydraulic	-
Required air pressure	90 - 120 psi (6.2 - 8.3 bar)	-	90 - 120 psi (6.2 - 8.3 bar)	110 - 200 psi (7.7 - 13.8 bar)
Stroke	5.1 in (13 cm)	5.1 in (13 cm)	5.1 in (13 cm)	5.1 in (13 cm)
Extension screw adjustment	4.9 in (12 cm)	-	4.9 in (12 cm)	-
Frame width	12 in (30 cm)	-	12 in (30 cm)	-
Frame length	20 in (51 cm)	-	20 in (51 cm)	-
Wheel diameter	8 in (20 cm)	-	8 in (20 cm)	-
Handle length	53 in (135 cm)	-	23 in (58 cm)	-
Weight	124 lb (56 kg)	120 lb (54 kg)	124 lb (56 kg)	146 lb (66 kg)
Maximum air pressure	-	200 psi (13.8 bar)	-	-
Starting height (SH)	-	8.7 in (22 cm)	-	-
SH w/ short lift pad	-	11 in (28 cm)	-	-
SH w/ tall lift pad	-	13.7 in (35 cm)	-	-
SH w/ short and tall lift pad	-	16 in (41 cm)	-	-
Lifting height (LH)	-	136 in (35 cm)	-	-
LH w/ short lift pad	-	16.2 in (41 cm)	-	-
LH w/ tall lift pad	-	18.8 in (48 cm)	-	-
LH w/ short and tall lift pad	-	21.1 in (54 cm)	-	-
Lift pad diameter	-	3.5 in (9 cm)	-	-
Lift pad start height	-	-	-	9.3 in (24 cm)
Lift pad start height w/ adapter	-	-	-	11.9 in (30 cm)
Screw adjustment	-	-	-	5 in (13 cm)
Length (handle horizontal)	-	-	-	71 in (180 cm)
Width (at wheels)	-	-	-	14.3 in (36 cm)
Overall height (handle vertical)	-	-	-	58.5 in (149 cm)

## Clutch Jacks

### CCL-300

485 80044 00

#### Features:

- 300 lb. lifting capacity
- 360° rotating head allowing flexibility and convenience
- Hydraulic power system provides precise adjustment and the swivel casters permit easy movement
- Fold back feature allows technicians to easily remove the jack from underneath the vehicle
- Optional adapters are available to make other common jobs easier and safer
- US Patent #6,189,864,B1



CCL-300

### CCL-300H

485 80048 00

#### Features:

- High rise
- 300 lb. lifting capacity
- 360° rotating head allowing flexibility and convenience
- Hydraulic power system provides precise adjustment and the swivel casters permit easy movement
- Fold back feature allows technicians to easily remove the jack from underneath the vehicle
- Optional adapters are available to make other common jobs easier and safer
- US Patent #6,189,864,B1



CCL-300H

Manufactured by



MADE IN THE U.S.A.

## Model specifications

Specification	CCL-300	CCL-300H
Capacity	300 lb (136 kg)	300 lb (136 kg)
Minimum start height	15 in (38 cm)	40 in (102 cm)
Maximum lift height	39 in (99 cm)	80.5 in (204 cm)
Power	N/A	1st Stage Air / 2nd Stage Hydraulic
Required air pressure	N/A	100 to 160 psi (6.9 to 11.0 bar)
Head rotation	360°	360°
Dimensions (W x L)	22 x 41 in (56 x 104 cm)	41 x 41 in (104 x 104 cm)
Supplied spine shaft	2 in (5 cm)	2 in (5 cm)
Weight	134 lb (61 kg)	105 lb (48 kg)

## Adapters / accessories

	Part number	Model	Description
1	485 80050 00	CAD-300BC	Battery / compressor adapter (only for use with CCL-300H)
2	485 80049 00	CAD-300EV	Trailer / evap tray adapter (only for use with CCL-300H)
-	485 80043 00	CAD-134CL	1 3/4" spline
-	485 80045 00	CAD-312CL	12" height adapter
3	485 80046 00	CAD-300BD	Brake drum adapter
4	485 80047 00	CAD-214CL	2" 14 tooth spline
-	485 80040 00	CAD-2000FW	Flywheel adapter
-	485 80158 00	CAD-10TC	2" 10 tooth spline adapter
-	485 80173 00	CAD-18TED	18 tooth spline adapter - Eaton Endurant & Detroit DT12 transmissions
-	485 80174 00	CAD-24TIM	24 tooth spline adapter - Mack M-Drive & Volvo I-Shift transmissions



## Automotive Transmission Jack

### ATJ-1000H

485 80025 00

#### Features:

- Two-stage design: 1st stage 100% air operated for speed; 2nd stage hydraulic for precise control
- Swivel casters make for easy maneuverability
- Nylon Speed-Strap™ quickly and conveniently secures the load
- Heavy-duty acme threaded screws provide greater bearing surface for easier tilt adjustments
- Additional adapters available



## Model specifications

Specification	ATJ-1000H
Capacity	1,000 lb (454 kg)
Minimum start height	34.5 in (88 cm)
Maximum lift height	72 in (183 cm)
Power	1st stage air / 2nd stage air, hydraulic
Required air pressure	90 to 160 psi (6.2 to 11.0 bar)
Head plate dimension	11.5 x 11.5 in (29 x 29 cm)
Tilt (forward - rear - side to side)	40° / 20° / 10°
Caster diameter	4 in (10 cm)
Weight	125 lb (57 kg)

## Adapters / accessories

	Part number	Model	Description
1	485 80030 00	AAD-1000K	All-purpose adapter kit
2	485 80027 00	AAD-1045	#45 adapter
3	485 80026 00	AAD-1090	#90 adapter
4	485 80029 00	AAD-1004	4T80E adapter
-	485 80028 00	AAD-1002	2" height adapter

1



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## Commercial Transmission Jacks

### CTJ-2200 / 2200TC

485 80031 00 / 485 80032 00 (w/TCHS kit)

#### General features:

- Heavy duty casters
- Large head plate
- Forward, rear, and side tilt adjustments
- Four adjustable quick ratcheting brackets
- Manual / hydraulic

#### Distinguishing features:

- + CTJ-2200TC includes truck component handling system (TCHS) kit\*

### CTJ-2200A / 2200ATC

485 80033 00 / 485 80034 00 (w/TCHS kit)

#### Distinguishing features:

- + 2-stage design: 1st stage 100% air operated for speed; 2nd stage air / hydraulic for precise control
- + CTJ-2200ATC includes truck component handling system (TCHS) kit\*

*\*The Truck Component Handling System (TCHS) offers a versatile universal adapter solution that can be configured to handle an abundance of commercial vehicle components including but not limited to drive shafts, differentials, transmissions, and axle assemblies. (See page 44.)*



Manufactured by



## CTJ-2700H

485 80035 00

### Features:

- Low 30" start height
- 2-stage design: 1st stage 100% air operated for speed; 2nd stage air / hydraulic for precise control
- Lockable / steerable casters
- Large head plate
- Includes truck component handling system (TCHS) kit\*



Manufactured by

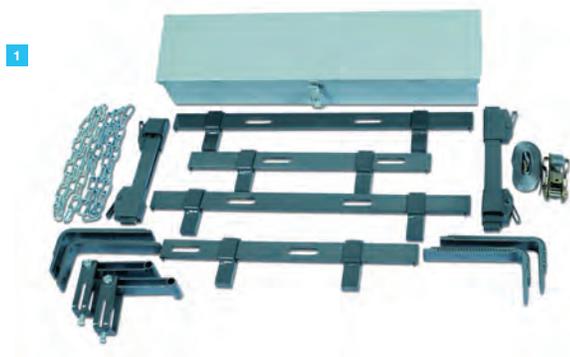


## Commercial transmission jack specifications

Specification	CTJ-2200	CTJ-2200A	CTJ-2700H
Capacity	2,200 lb (1,001 kg)	2,200 lb (1,001 kg)	2,700 lb (1,225 kg)
Minimum start height	8 in (20 cm)	8 in (20 cm)	30 in (76 cm)
Maximum lift height	34 in (86 cm)	34 in (86 cm)	72 in (183 cm)
Power	Manual / hydraulic	Air / hydraulic	1st stage air / 2nd stage air, hydraulic
Required air pressure	90 to 200 psi (6.2 to 13.8 bar)	90 to 200 psi (6.2 to 13.8 bar)	110 psi (76 bar)
Power (RAM) travel	26 in (66 cm)	26 in (66 cm)	-
Head plate dimension	11.5 x 17 in (29 x 43 cm)	11.5 x 17 in (29 x 43 cm)	11.5 x 17 in (29 x 43 cm)
Tilt (forward - rear - side to side)	10° / 0° / 0°	10° / 0° / 0°	10° / 0° / 0°
Dimensions (W x L)	28.3 x 44.5 in (72 x 113 cm)	28.3 x 44.5 in (72 x 113 cm)	34.5 x 42 x 49.3 in (88 x 107 x 125 cm)
Handle length	24.3 in (62 cm)	24.3 in (62 cm)	44.5 in (113 cm)
Caster diameter	4 in (10 cm)	4 in (10 cm)	8 in (20 cm)
Weight	305 lb (138 kg)	305 lb (138 kg)	670 lb (304 kg)

## Adapters / accessories

	Part number	Model	Description
1	485 80042 00	CAD-2000TC	TCHS universal adapter kit* (includes brackets, chains, sling straps, tool box)
-	485 80038 00	CAD-2000DF	Differential adapter
2	485 80037 00	CAD-2000CL	Clutch adapter
-	485 80039 00	CAD-2000EF	Eaton fuller transmission adapter
-	485 80036 00	CAD-2000BD	Brake drum adapter
3	485 80040 00	CAD-2000FW	Flywheel adapter
4	485 80041 00	CAD-2000KP	King pin adapter (wheel end)
5	485 80154 00	CAD-10DBA	Disc brake caliper adapter
6	485 80140 00	CAD-25DLA	Driveline adapter
7	485 80155 00	CAD-EVB	Electric vehicle battery pack adapter – electric vans
8	485 80138 00	CAD-DPFH	Horizontal DPF adapter
9	485 80139 00	CAD-DPF1	1-Box DPF adapter
10	485 80136 00	CAD-HRDIF	Flange/half-round yoke adapter
11	485 80141 00	CAD-MDDIF	Medium duty differential adapter



## Engine Stands

### AES-1000

485 80084 00

#### Features:

- 1,000 lb. capacity
- Adjustable attachment arms
- Laterally adjusts creating a flexible yet sturdy work platform
- 360° rotation and locking wheels make it perfect for engine rebuilds

### CES-2000

485 80083 00

#### Features:

- 2,000 lb. capacity
- Fully adjustable to capture a variety of engines and components
- Solid platform for HD rebuilds
- 360° rotation
- Locking wheels for stability

### CES-6000

485 80125 00

#### Features:

- 6,000 lb. capacity
- Handle for easy movement during fleet services
- Locking screws to keep the engine stand stationary
- Accommodates any engine transmission or axle carrier (when equipped with universal engine adapter\* P/N 485 80142 00)
- 360° rotation



AES-1000



CES-2000



CES-6000

Manufactured by



## Model specifications

Specification	AES-1000	CES-2000	CES-6000
Capacity	1,000 lb (454 kg)	2,000 lb (907 kg)	6,000 lb (2721 kg)
Height to center line	41 in (104 cm)	41 in (104 cm)	39 in (99 cm)
Maximum overall length	41.5 in (105 cm)	84.3 in (214 cm)	66 in (168 cm)
Overall width	41 in (104 cm)	41 in (104 cm)	49 in (124 cm)
Maximum overall height	44.3 to 44.5 in (112 to 113 cm)	57.5 in (146 cm)	50 in (127 cm)
Front wheels	4 in (10 cm) swivel with brake	4 in (10 cm) swivel with brake	8" (20 cm) fixed
Rear wheels	5 in (13 cm) fixed	5 in (13 cm) fixed	6 in (15 cm) swivel
Handle length	32 in (81 cm)	12 in (30 cm)	12 in (30 cm)
Maximum engine swing radius	31 in (79 cm)	31 in (79 cm)	42 in (107 cm)
Length inside headplates	-	Adjusts from 29.3 - 56 in (74 - 142 cm)	-

## Adapters / accessories (for CES-6000 only)

	Part number	Model	Description	Fitment
1	485 80142 00	CAD-6KUEA	Universal engine adapter*	Universal fitment for all engines, transmissions, and axle carriers
-	485 80143 00	CAD-6KDET	Detroit Diesel multi series adapter	53, 71, 92, 8.2L series engines
2	485 80144 00	CAD-6KS60	Detroit Diesel 60 series engine adapter	Detroit Diesel 60 series engines
-	485 80145 00	CAD-6KCMS	Cummins Multi series adapter	NH, NTC, NTE, N14, 855, 378 V6 & L10 6 cylinder, 504, 555, 903, KT 1150 series engines
-	485 80146 00	CAD-6KLMS	Cummins L-10 & M-11 series	Cummins L-10 & M-11 series engines
-	485 80147 00	CAD-6KCBS	Cummins B series	Cummins B series engines
3	485 80148 00	CAD-6KCCA	Cummins C series	Cummins C series engines
-	485 80149 00	CAD-6KCAT	CAT Diesel	1673, 3306, 1674, 1693, 3406 Inline 6, 1100, 3208, & 3408 V8 series engines
4	485 80150 00	CAD-6KINT	International	4-152, 4-196, V-304, V-345, V-392, MV-404, MV-446, DV-550, D 9.0L, 6.9L, DT-360, DT-466 series engines
-	485 80151 00	CAD-6KJDP	John Deere Powertech	PowerTech 4.5L & 6.8L series engines



## Filter Crushers



AFC-9

CFC-16

### AFC-9

485 80081 00

#### Features:

- Accommodates up to 4 spin-on oil filters simultaneously
- Interlocking feature prevents door from opening until the ram is fully retracted
- Removable catch basin
- 100% air operated
- Mounting stand included

### CFC-16

485 80082 00

#### Features:

- Accommodates up to 4 spin-on oil filters simultaneously
- Interlocking feature prevents door from opening until the ram is fully retracted
- Removable catch basin
- 100% air operated
- Mounting stand included

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## Model specifications

Specification	CCL-300	CCL-300H
Dimensions (H x W x D)	69.5 in x 15 in x 16.8 in (177 cm x 38 cm x 43 cm)	85.5 in x 20.5 in x 16.8 in (217 cm x 52 cm x 43 cm)
Stand dimensions (H x W x D)	57 in x 29 in x 23 in (145 cm x 74 cm x 58 cm)	61 in x 29 in x 27 in
Weight	242 lb (110 kg)	282 lb (128 kg)
Crushing chamber	9 in (23 cm)	16 in (4064 cm)
Dimensions (H x W x D)	9 in x 8 in x 8 in (23 cm x 20 cm x 20 cm)	16.3 in x 10 in x 8 in (41 cm x 25 cm x 20 cm)
Air inlet	1/4 female npt	1/4 female npt
Air pressure	100 to 160 psi (6.9 to 11.0 bar)	100 to 200 psi (6.9 to 13.8 bar)
Catch basin connection	3/4 female npt	3/4 female npt
Crushing force	Air Pressure Required	Air Pressure Required
Crushing force: 12,000 lb / 6 tons	112 psi (7.7 bar)	112 psi (7.7 bar)
Crushing force: 14,000 lb / 7 tons	129 psi (8.9 bar)	129 psi (8.9 bar)
Crushing force: 16,000 lb / 8 tons	147 psi (10.1 bar)	147 psi (10.1 bar)
Crushing force: 18,000 lb / 9 tons	165 psi (11.4 bar)	165 psi (11.4 bar)
Crushing force: 20,000 lb / 10 tons	183 psi (12.6 bar)	183 psi (12.6 bar)
Crushing force: 22,000 lb / 11 tons	200 psi (13.8 bar)	200 psi (13.8 bar)

## Fluid Handlers



CFH-15AF



CFH-15OL

### CFH-15AF

485 80079 00

#### Features:

- For anti-freeze
- Three swivel casters
- Welded body construction
- Air pressurized system - uses shop air
- Factory set air regulator and "pop-off" valve
- Low profile design of 9"
- Reusable 100 micron filter included

### CFH-15OL

485 80078 00

#### Features:

- For oil
- Three swivel casters
- Welded body construction
- Air pressurized system - uses shop air
- Factory set air regulator and "pop-off" valve
- Low profile design of 9"

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## Model specifications

Specification	
Capacity	15 gal (57 liter)
Overall height	9 in (23 cm)
Overall diameter	30 in (76 cm)
Catch pan diameter	24 in (61 cm)
Catch pan depth	2.4 in (6 cm)
Drain hose length	120 in (305 cm)
Drain hose diameter (I.D.)	0.8 in (2 cm)
Drain shut-off	0.8 in (2 cm)
Swivel caster diameter	3 in (8 cm)
Regulator	12 psi (0.8 bar)
Pop off valve	15 psi (1.0 bar)
Weight	90 lb (41 kg)

## Adapters / accessories

	Part number	Model	Description
1	485 80080 00	CFH-15K	Fluid handler height extension adapter

1



## Forklift Jacks



CFL-4

CFL-7

### CFL-4 / 4A

485 80085 00 / 485 80086 00 (air assist)

#### Features:

- 4 ton
- Two position lift pad that easily adjusts to handle flat or edged surfaces
- Low starting height of 2¼" allows maximum flexibility
- Hold-to-Run™ release knob provides a slow descent rate with precise operator control

### CFL-7 / 7A

485 80087 00 / 485 80088 00 (air assist)

#### Features:

- 7.5 ton
- Two position lift pad that easily adjusts to handle flat or edged surfaces
- Low starting height of 2¼" allows maximum flexibility
- Hold-to-Run™ release knob provides a slow descent rate with precise operator control



## Model specifications

Specification	CFL-4	CFL-4A	CFL-7	CFL-7A
Capacity	8,000 lb (3,629 kg)	8,000 lb (3,629 kg)	15,442 lb (7,004 kg)	15,442 lb (7,004 kg)
Maximum lift height	16 in (41 cm)	16 in (41 cm)	16 in (41 cm)	16 in (41 cm)
Power	Hydraulic	Air / hydraulic	Hydraulic	Air / hydraulic
Required air pressure	-	155 psi (10.7 bar)	-	155 psi (10.7 bar)
Reach (raised position)	7 in (18 cm)	7 in (18 cm)	7 in (18 cm)	7 in (18 cm)
<b>Distance from hydraulic cylinder to lift pad:</b>				
Width	8 in (20 cm)	8 in (20 cm)	10 in (25 cm)	10 in (25 cm)
Starting pad height (lift arm notch)	2.3 in (5.8 cm)	2.3 in (5.8 cm)	2.3 in (5.8 cm)	2.3 in (5.8 cm)
Starting pad height (serrated lift pad)	2.5 in (6.3 cm)	2.5 in (6.3 cm)	2.5 in (6.3 cm)	2.5 in (6.3 cm)
Weight	68 lb (31 kg)	71 lb (32 kg)	93 lb (42 kg)	98 lb (44 kg)

# Locknut Sockets

## Features:

- Black Armor Coating™ protects sockets against rust and corrosion for increased product longevity
- 10 year warranty
- 3/4" square drive for manual tools
- High strength steel
- Several kit options: 6pt, 8pt, truck wheel service kit (most popular from 6 and 8pt kits)



Part #	Description	6pt Kit	8pt Kit	Service Kit	Model
085 80012 00	6pt - 2-1/2"	■		■	CTO-62500
085 80013 00	6pt - 2-3/4"	■		■	CTO-62750
085 80014 00	6pt - 3-3/4"	■			CTO-63750
085 80015 00	6pt - 3-1/8"	■			CTO-63125
085 80016 00	6pt - 4"	■		■	CTO-64000
085 80017 00	6pt - 2-3/32"	■			CTO-62093
085 80018 00	6pt - 2-1/4"	■			CTO-62250
085 80019 00	6pt - 2-3/8"	■			CTO-62375R
085 80020 00	6pt - 2-9/16"	■		■	CTO-62562R
085 80021 00	6pt - 2-9/16"	■		■	CTO-62562
085 80022 00	6pt - 2-3/8"	■			CTO-62375
085 80023 00	6pt - 3"	■			CTO-63000
085 80024 00	6pt - 2-5/8"	■		■	CTO-62630
085 80025 00	6pt - 2-7/8"	■		■	CTO-62880
085 80026 00	6pt - 3-1/4"	■		■	CTO-63250
085 80027 00	6pt - 3-1/2"	■		■	CTO-63500
085 80028 00	6pt - 3-7/8"	■			CTO-63880
085 80029 00	6pt - 4-1/8"	■			CTO-64125
085 80030 00	6pt - 4-3/8"	■		■	CTO-64375
085 80031 00	6pt - 4-7/8"	■			CTO-64880

Part #	Description	6pt Kit	8pt Kit	Service Kit	Model
085 80032 00	6pt - 5-1/4"	■			CTO-65250
085 80033 00	8pt - 3-3/4"		■		CTO-83750
085 80034 00	8pt - 2-3/8"		■		CTO-82375
085 80035 00	8pt - 2-9/16"		■		CTO-82562
085 80036 00	8pt - 2-3/4"		■		CTO-82750
085 80037 00	8pt - 3"		■		CTO-83000
085 80038 00	8pt - 2-7/8"		■		CTO-82880
085 80039 00	8pt - 3-1/8"		■		CTO-83125
085 80040 00	8pt - 3-1/4"		■	■	CTO-83250
085 80041 00	8pt - 3-1/2"		■		CTO-83500
085 80042 00	8pt - 3-3/8"		■		CTO-83375
085 80043 00	8pt - 3-13/16"		■		CTO-83810
085 80044 00	8pt - 3-7/8"		■	■	CTO-83880
085 80045 00	8pt - 4-3/8"		■		CTO-84375
085 80046 00	8pt - 4-1/2"		■		CTO-84500
085 80047 00	8pt - 4-7/8"		■		CTO-84880
485 80127 00	6pt Full Kit				CTO-60K
485 80128 00	8pt Full Kit				CTO-80K
485 80129 00	Service Kit				CTO-68KWS
085 80048 00**	Display Board				CTO-68DB



Please scan the QR code to watch the overview video of this equipment.

## Service Jacks

### CSJ-3

485 80022 00

#### Features:

- 3 ton
- A low start height combined with a high lift height
- Heavy duty steel frame design
- Manual pump feature included
- Large front wheels and long-life heavy duty rear swivel casters

### CSJ-6A

485 80024 00

#### Features:

- 6 ton
- A low start height combined with a high lift height
- Heavy duty steel frame design
- Manual pump feature included
- Large front wheels and long-life heavy duty rear swivel casters



CSJ-3

### CSJ-10A

485 80023 00

#### Features:

- 10 ton
- A low start height combined with a high lift height
- Heavy duty steel frame design
- Manual pump feature included
- Large front wheels and long-life heavy-duty rear swivel casters

Manufactured by



CSJ-6A

## Model specifications

Specification	CSJ-3	CSJ-6A	CSJ-10A
Maximum capacity	6,000 lb (2,721 kg)	12,000 lb (5,443 kg)	20,000 lb (9,072 kg)
Minimum start height	4.25 in (11 cm)	4.8 in (12 cm)	7 in (18 cm)
Maximum lift height	23.75 in (60 cm)	23.3 in (59 cm)	27 in (69 cm)
Power	Hydraulic / manual	Air / hydraulic / manual	Air / hydraulic / manual
Required air pressure	-	90 to 175 psi (6.2 to 12.1 bar)	90 to 175 psi (6.2 to 12.1 bar)
Chassis dimensions (H x L)	7.25 in x 34 in (18 cm x 86 cm)	9.8 in x 48 in (25 cm x 122 cm)	10 in x 53.5 (25 cm x 136 cm)
Handle length	45 in (114 cm)	47.8 in (121 cm)	47 in (119 cm)
Dimensions (W x L)	16 in x 81 in (41 cm x 206 cm)	18.5 in x 95.3 in (47cm x 242 cm)	21.9 in x 101.8 in (56 cm x 259 cm)
Overall reach	75.5 in (191.77 cm)	87 in (221 cm)	93 in (236 cm)
Front caster diameter	4 in (10 cm)	4.3 in (11 cm)	5 in (13 cm)
Rear swivel caster diameter	3 in (8 cm)	4 in (10 cm)	4 in (10 cm)
Saddle diameter	6.5 in (17 cm)	7.4 in (19 cm)	8 in (20 cm)
Front width caster to caster	13.5 in (34 cm)	16.9 in (43 cm)	17.1 in (43 cm)
Rear width bracket to bracket	16 in (41 cm)	19.9 in (51 cm)	20.1 in (51 cm)
Weight	410 lb (186 kg)	256 lb (116 kg)	410 lb (186 kg)

## Shop Cranes



CSC-2200A

### CSC-2200 / 2200A

485 80070 00 / 485 80071 00 (air assist)

#### Features:

- Capacity up to 2,200 lbs
- Unique large caster design
- Easy adjustable leg width
- Can be purchased with a manual or air /hydraulic pump

### CSC-4400 / 4400A

485 80073 00 / 485 80074 00 (air assist)

#### Features:

- Capacity up to 4,400 lbs
- Unique large caster design
- Easy adjustable leg width
- Can be purchased with a manual or air /hydraulic pump

Manufactured by



## Model specifications

Specification	CSC-2200 / CSC-2200A	CSC-4400 / CSC-4400A
Capacity retracted	2,200 lb (998 kg)	4,400 lb (1,996 kg)
Capacity center	1,900 lb (862 kg)	3,800 lb (1,724 kg)
Capacity extended	1,650 lb (748 kg)	3,300 lb (1,497 kg)
Max boom height (retracted / extended)	114 in / 125 in (290 cm / 318 cm)	119 in / 130 in (302 cm / 330 cm)
Overall boom height (horizontal)	83 in (211 cm)	84 in (213 cm)
Boom reach (retracted / extended)	33 in / 48 in (84 cm / 122 cm)	35.8 in / 50.8 in (91 cm / 129 cm)
Overall length	82 in (208 cm)	82 in (208 cm)
Minimum throat width	22 in (56 cm)	22 in (56 cm)
Leg length (inside)	55 in (140 cm)	55 in (140 cm)
Inside leg width (1 / 2 / 3)	22 in / 36 in / 50 in (56 cm / 91 cm / 127 cm)	22 in / 36 in / 50 in (56 cm / 91 cm / 127 cm)
Leg height	8.1 in (21 cm)	8.1 in (21 cm)
Wheel diameter	6 in (15 cm)	6 in (15 cm)

## Adapters / accessories

Part number	Model	Description
485 80076 00	<b>CPS-6000</b>	6,000 lb load positioning sling
485 80077 00	<b>CPS-10000</b>	10,000 lb load positioning sling



### Features:

- Lifetime warranty
- Made from US Steel
- Includes chains
- Comes Acme threaded

Specification	CPS-6000	CPS-10000
Capacity	6,000 lb	10,000 lb (4,536 kg)
Weight	74 lb (34 kg)	115 lb (52 kg)
Spread	30 - 46 in (76 - 117 cm)	44-56 in (112 cm - 142 cm)
Adjustment increments	4 in (10 cm)	3 in (76)
Dimensions (H x W) or (H x W x L)	15.4 in x 5 in (39 cm x 30 cm)	16.1 in x 5.3 in (41 cm x 13 cm)
Tilt adjustment (maximum)	30°	30°
Chain grade	80	80
Chain size	5/16 in (.79 cm)	5/16 in (.79 cm)
Hook height	18 in - 42 in (45 cm - 106 cm)	18 in - 42 in

## Shop Presses

### CBP-10 / 10A

485 80055 00 / 485 80056 00 (air assist)

#### Features:

- 10 ton bench shop press
- 1.5" diameter ram has a two-way mountable air/hydraulic or manual pump
- Easily adjusted bolster with six positions and a wide throat
- Available bench mounted or purchased with an integrated stand / safety gates

### CSP-10 / 10A

485 80058 00 / 485 80059 00 (air assist)

#### Features:

- 10 ton
- 1.5" diameter ram has a two-way mountable air/hydraulic or manual pump
- Easily adjusted bolster with six positions and a wide throat
- Available bench mounted or purchased with an integrated stand / safety gates

### CSP-25 / 25A

485 80062 00 / 485 80063 00 (air assist)

#### Features:

- 25 ton
- 1.5" diameter ram has a two-way mountable air/hydraulic or manual pump
- Easily adjusted bolster with six positions and a wide throat
- Available bench mounted or purchased with an integrated stand / safety gates

### CSP-75 / 75K

485 80066 00 / 485 80067 00 (with accessory kit)

#### Features:

- 75 ton
- 6 position adjustable bolster
- 4-way mountable pump
- Winch cable for raising and lowering the bolster
- Gray engineered and built power units

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CBP-10

CSP-10

CSP-25

CSP-75

## Model specifications

Specification	CBP-10	CBP-10A	CSP-10	CSP-25
Capacity	20,000 lb (9,072 kg)	20,000 lb (9,072 kg)	20,000 lbs (9,072 kg)	50,000 lb (22,680 kg)
Cylinder stroke	10 in (25 cm)	10 in (25 cm)	10 in (25.4 cm)	6.3 in (15.9 cm)
Weight	130 lb (59 kg)	130 lb (59 kg)	180 lb (81.7 kg)	510 lb (231 kg)
Adjustment increments	6 in (15.2cm)	6 in (15.2cm)	6 in (15.2 cm)	4.3 in (10.8 cm)
Dimensions (W x D)	25.1 in x 7.1 in (64 cm x 18 cm)	25.1 in x 7.1 in (64 cm x 18 cm)	25.1 in x 28 in (63.8 cm x 71.1 cm)	40.5 in x 70.4 in (102.9 cm x 178.8 cm)

Specification	CSP-75
Capacity	75 tons (68,039 kg)
Power source	Air / hydraulic
Stroke	8.8 in (22.2 cm)
Horizontal ram travel	32 in (81 cm)
Throat width	50 in (127 cm)
Inside / outside throat depth	8 in (20 cm) / 14 in (25 cm)
Required air pressure	120 to 200 psi (8.3 to 13.8 bar)
Adjustment increments	6 in (15 cm)
Vertical throat minimum / max	9.5 in (24.1 cm) / 39.5 in (100.3 cm)
Dimensions (H x W x D)	85 in x 78 in x 44 in (216 cm x 198 cm x 112 cm)

## Adapters / accessories

Part number	Model	Description
485 80057 00	BSP-10 / 10A	Safety guard for 10 ton bench shop press
485 80060 00	CSP-10 / 10A	Accessory kit for 10 ton shop press
485 80061 00	CSP-10 / 10A	Safety guard for 10 ton shop press
485 80064 00	CSP-25 / 25A	Safety guard for 25 ton shop press
485 80065 00	CSP-25 / 25A	Accessory kit for 25 ton shop press
485 80068 00	CSP-75	Mountable guard for 75 ton shop press (each side)
485 80069 00	CSP-75	Accessory kit for 75 ton press

## Vehicle Lifts



## CAL-4

485 80166 00

### Features:

- Allows for safe lifting and support of drive axles
- Change all tires with a single jack movement
- Eliminates the need to go under the vehicle to place Jacks or support stands
- Downstops and pin increments every 3"
- Low starting height to clear low hanging suspension
- 100% air operation

Manufactured by



## Model specifications

Specification	
Capacity	8,000 lb (3628 kg)
Stroke	17 in (43.2 cm)
Minimum start height	7.9 in (20.1 cm)
Maximum lift height	23.5 in (59.7 cm)
Power	Air
Required air pressure	125 psi ( 862 Bar)
Forward reach (CL to CL)	44 in (112 cm)
Overall length	70.25 in (178.4 cm)
Overall width	39.5 in (100.3 cm)
Overall height	50.75 in (129.5 cm)
Weight	700 lb (317.5 kg)

## Adapters / accessories

	Part number	Model	Description
1	485 80126 00	CAR-20	2,000 lb Rear Axle Support/Restraint





## CAL-10

485 80120 00

### Features:

- Large pneumatic wheels
- Adjustable lifting saddles can easily be raised and extended to a variety of positions
- Two-stage air valve to allow for raising and lowering the jack

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## Model specifications

Specification	
Capacity	20,000 lb (9,072 kg)
Stroke	30 in (76 cm)
Minimum start height	14 in (36 cm)
Maximum lift height	50 in (127 cm)
Power	Air
Required air pressure	200 psi (13.8 bar)
Forward reach (CL to CL)	17 in (43 cm)
Overall length	43 in (109 cm)
Overall width	37 in (94 cm)
Overall height	66 in (166 cm)
Saddle spread	32 in to 43 in (81 cm to 109 cm)
Weight	755 lb (342 kg)

## Vehicle Support Stands

### CSS-3 / 3T

485 80160 00

#### Features:

- 3 ton support capacity
- Manual insert, load retention pin
- Tabbed bottom for superior stability
- Sold in pairs
- Pin includes flanged design to ensure proper locking

### CSS-7 / 7T

485 80004 00 / 485 80005 00 (tall)

#### Distinguishing features:

- + 7.5 ton support capacity
- + Tall and high-rise versions available

### CSS-10 / 10T

485 80006 00 / 485 80007 00 (tall)

#### Distinguishing features:

- + 10 ton support capacity
- + Tall and high-rise versions available

### CSS-12 / 12T

485 80008 00 / 485 80009 00 (tall)

#### Distinguishing features:

- + 12 ton support capacity
- + Tall and high-rise versions available

### CSS-25 / 25T

485 80010 00 / 485 80011 00 (tall)

#### Distinguishing features:

- + 25 ton support capacity
- + Tall and high-rise versions available

Manufactured by



CSS-7



CSS-10



CSS-12



CSS-25



CSS-10T

## CSS-35

485 80012 00

### Features:

- 35 ton support capacity
- Manual insert, load retention pin
- Tabbed bottom for superior stability
- Sold in pairs
- Pin includes flanged design to ensure proper locking

## CSS-35P

485 80014 00

### Distinguishing features:

- + With plate

## CSS-35T

485 80013 00

### Distinguishing features:

- + Tall version

## CSS-35A

485 80015 00

### Distinguishing features:

- + With air assist

## CSS-35AT

485 80016 00

### Distinguishing features:

- + Tall version with air assist



See page 62 for support stand specifications.

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CSS-35T

CSS-35A

## Vehicle support stand specifications

Specification	CSS-3	CSS-7	CSS-10	CSS-12	CSS-25
<b>Capacity</b>	6,000 lb (2722 kg)	15,435 lb (7,001 kg)	20,000 lb (9,072 kg)	24,000 lb (10,886 kg)	50,000 lb (22,680 kg)
<b>Minimum start height</b>	9.5 in (25 cm)	9.5 in (25 cm)	20 in (51 cm)	20 in (51 cm)	12 in (30 cm)
<b>Maximum lift height</b>	16 in (41 cm)	16 in (41 cm)	32 in (81 cm)	32 in (81 cm)	20 in (51 cm)
<b>Adjustment increments</b>	1 in (3 cm)	1 in (3 cm)	1 in (3 cm)	1 in (3 cm)	1.5 in (4 cm)
<b>Weight (per pair)</b>	41 lb (186 kg)	32 lb (15 kg)	70 lb (32 kg)	70 lb (32 kg)	62 lb (28 kg)

Specification	CSS-3T	CSS-7T	CSS-10T	CSS-12T	CSS-25T
<b>Capacity</b>	6,000 lb (2722 kg)	15,435 lb (7,001 kg)	20,000 lb (9,072 kg)	24,000 lb (10,886 kg)	50,000 lb (22,680 kg)
<b>Minimum start height</b>	12 in (30 cm)	12 in (30 cm)	30 in (76.2 cm)	30 in (76.2 cm)	20 in (51 cm)
<b>Maximum lift height</b>	20 in (51 cm)	20 in (51 cm)	52 in (132 cm)	52 in (132 cm)	32 in (81 cm)
<b>Adjustment increments</b>	1.5 in (4 cm)	1.5 in (4 cm)	1 in (3 cm)	1 in (3 cm)	1.5 in (4 cm)
<b>Weight (per pair)</b>	54 lb (24.5 kg)	38 lb (17 kg)	158 lb (72 kg)	154 lb (70 kg)	112 lb (51 kg)

Specification	CSS-35	CSS-35P	CSS-35T	CSS-35A	CSS-35AT
<b>Capacity</b>	70,000 lb (31,751 kg)				
<b>Minimum start height</b>	13.5 in (34 cm)	13.5 in (34 cm)	21 in (53 cm)	20.3 in (51.4 cm)	316 in (80.2 cm)
<b>Maximum lift height</b>	21 in (53 cm)	21 in (53 cm)	33.3 in (85 cm)	34.8 in (88.2 cm)	55.4 in (140.7 cm)
<b>Adjustment increments</b>	1.5 in (4 cm)	1.5 in (4 cm)	1.5 in (4 cm)	1 in (2.5 cm)	1 in (2.5 cm)
<b>Weight (per pair)</b>	84 lb (38 kg)	84 lb (38 kg)	129 lb (59 kg)	136 lb (61.7 kg)	194 lb (87 kg)

## Non-Skid Truck Ramp

### CTR-20

485 80021 00

#### Features:

- 20,000 lbs of capacity per ramp with a 9" total ramp height
- Retractable handle and self-lowering wheels
- Non-skid base to prevent unintended movement of ramp during loading
- Welded steel frame construction
- Raised tire gripping surface



## Model specifications

Specification	CTR-20
Capacity (each)	20,000 lb (9,072 kg)
Overall length	51 in (130 cm)
Overall height	9 in (23 cm)
Overall width	18.5 in (47 cm)
Tread width	15 in (38 cm)
Handle length	34.5 in (88 cm)
Wheel diameter	5 in (13 cm)
Weight (per pair)	340 lb (154 kg)

## Wheel Dollies



### CWD-600

485 80165 00

#### Features:

- Two handle design aids maneuverability and effortless access to the hub
- Safe and efficient removal of complete wheel assemblies for both single and dual wheels
- Included wheel support pins allow for complete wheel assemblies to be rotated and locked into any position



## Model specifications

Specification	CWD-600
Capacity	600 lb (272 kg)
Minimum tire diameter	30 in (76.2 cm)
Maximum tire diameter	47 in (119.4 cm)
Stroke	6.5 in (16.5 cm)
Width	46 in to 57 in (116 cm to 145 cm)
Depth	48 in (121.9 cm)
Height	40.75 in (103.5 cm)
Weight	341 lb (154.7 kg)



## CWD-1500

485 80114 00

### Features:

- Internal bearing for smooth rotation of the arms
- Offset column for open work space
- Fore and aft tilt

Manufactured by



## Model specifications

Specification	CWD-1500
Capacity	1,500 lb (680 kg)
Maximum lift height	8 in (20 cm)
Power	Hydraulic
Lift arm speed	24 in (61 cm)
Tilt (forward / rear)	2 in / 5 in (5 cm / 13 cm)
Dimensions (H x W x L)	30 in x 36 in x 39 in (76 cm x 91 cm x 99 cm)
Chain length	72 in (183 cm)
Weight	120 lb (54 kg)

## Adapters / accessories

Part number	Description
485 80115 00	Small wheel adapter arm

## Wheel End Service

### CBD-200

485 80152 00

#### Features:

- Handles air disc brake calipers and discs, brake drums and complete hub assemblies
- Tool tray for tools and hardware
- Includes caliper extension and wheel end adapter
- Handles and four swivel casters for maneuverability

Manufactured by



Shown with optional rotor adapter.



Shown with caliper adapter.

## Model specifications

Specification	CBD-200
Capacity	200 lb (90.7 kg)
Maximum lift height (top of tool post)	44 in (104 cm)
Start height (top of tool post)	16 in (105 cm)
Width	35.875 in (111 cm)
Length	29.25 in (74 cm)
Weight	205 lb (92.9 kg)
Rotor adapter capacity	175 lb (97 kg)
Caliper adapter capacity	100 lb (45 kg)

## Adapters / accessories

	Part number	Description
1	485 80153 00	Brake drum adapter
2	485 80167 00	Rotor adapter with strap
3	485 80168 00	90° Long reach caliper adapter
4	485 80169 00	Left hand caliper adapter
-	485 80170 00	225mm wheel end adapter
-	485 80171 00	335mm wheel end adapter

1



2



3



4













# Why MAHLE Service Solutions?

*Over 30 million vehicles a year are tested or serviced with a MAHLE Service Solutions product in over 25,000 dealer and aftermarket service shops around the world...*

MAHLE Aftermarket Inc., Service Solutions division specializes in the development, manufacturing and distribution of automotive services, tools and maintenance equipment, including vehicle diagnostics, air conditioning service, fluid exchange, nitrogen tire inflation systems, and hydraulic and pneumatic lift equipment.

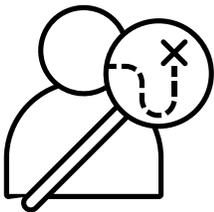
Formerly known as RTI Technologies, MAHLE Service Solutions continues its legacy of building shop equipment for the most

stringent OEM and aftermarket needs. Along with this expertise, MAHLE Service Solutions combines the know-how of MAHLE Behr with automotive thermal management and MAHLE Powertrain with automotive test systems. Each of these three entities have more than 25 years of R&D and technology deployment experience providing advanced solutions for OE manufacturers

In addition to the high-quality products offered through its Service Solutions division, MAHLE Aftermarket provides a comprehensive and well-developed service network to ensure quick and professional technical support and training for repair shops.

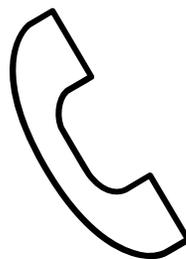


## Need Assistance?



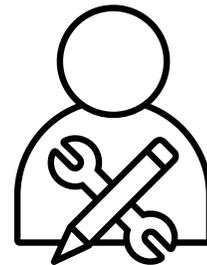
### Technical support?

Connect with a technical support representative at **800-468-2321** or [tech.mss@mahle.com](mailto:tech.mss@mahle.com).



### Questions or find a distributor?

Contact the customer service department at **800-468-2321** or [sales.mss@mahle.com](mailto:sales.mss@mahle.com).



### Request installation or training?

Contact the customer service department at **800-468-2321** or [sales.mss@mahle.com](mailto:sales.mss@mahle.com).

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