



High Pressure

Hot Water Cleaners for Inlet Port Cleaning



These machines deliver up to 210 F water at 2,000 PSI at a rate of 5 gallons per minute. Water is heated by a diesel fuel oil fired burner. These kits include both the special and general purpose wands, necessary hoses and protective clothing. These kits allow a crew of two men to completely clean inlet ports in on a 16 cylinder engine, including engine assembly and disassembly in an 8 hour shift. These kits are also most useful for other locomotive cleaning jobs.

Kit #	Spare Parts #	Pump Drive Description
T23320	T23470	208V 60HZ 3PH Motor
T23340	T23460	230V 60HZ 3PH Motor
T23330	T23440	230V 50HZ 3PH Motor
T23380	T23410	Gas Engine (Battery Start)
T23390	T23400	Diesel Engine (Battery Start)
T23270	Ref. 1	Straight Wand
T23280	Ref. 2	90 degree Wand

T18500

Dry Abrasive Blast Cleaning Machine



This blast machine is used to clean carbon, varnish, rust or other buildup from engine components. Compressed air to the blast nozzle is controlled by a switch activated by the operators elbow. An air pressure regulator is provided to adjust blast intensity. A dust collection system is provided by with a slip out tray for removal of debris. Glass bead media is used where components are to be cleaned without affecting their critical dimensions

Height 95" Depth 66" Width 50"

Domestic Voltage: 230V 3PH 60CY for blower motor
115V 1PH 60CY for control circuit

Export Voltage: 230V 3PH 50CY for blower motor
230V 1PH 50CY for control circuit

NOTE: AT 80PSI, approximately 85 CFM of air is required to power this machine. This demand can be supplied by a 20hp air compressor minimum for constant duty operation.

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- 1 T50121 Gauge
 - 2 T50330 Tee
 - 3 T50341 Nipple
 - 4 T50142 Release Valve
 - 5 T50131 Check Valve
 - 6 T50192 Filter
 - 7 T50171 Socket
 - 8 T50181 Plug
 - 9 T50160 EMD Adapter - complete w/plug
 - 10 T50420 GE Adapter - complete w/plug
 - 11 T50010 ALCO Adapter - complete w/plug
 - 12 T50960 Governor Stop Block
 - 13 T22711 Storage Box

T55100

Brake Valve Lifter (Used With a Hoist) For EMD Locomotives



This lifter used with a hoist allows for safe and easy removal and installation of brake valves. The head of the lifter is equipped with a swivel that allows for easy alignment of the brake valve to its mounting bulkhead.

T55100-DH

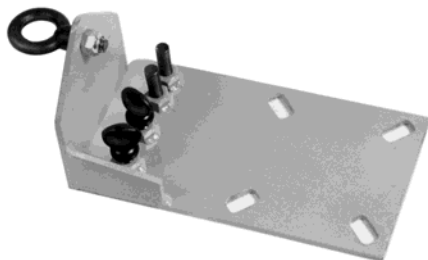
Brake Valve Lifter (Pivot Style With Wheels) For EMD Locomotives



This brake valve lifter incorporates wheels to allow safe installation and removal of brake valves. The head of the lifter is also equipped with a swivel allowing easy alignment of the brake valve to the bulkhead. Very little force is required to lift and position the brake valve using this lifter.

T55591

EMD Water Pump Lifter



This lifter was designed to aid installation and removal of EMD water pumps. Two water pump guide pins and two attachment screws are provided to minimize change-out time. The lifter provides level operation.

T55690

EMD Starter Motor Lifter



This tool takes the back work out of removing and installing EMD starter motors. It is used with a hoist and a person to counter lift the motor while another person installs the mounting bolts in the starter motor flange

T56092

Radiator Bank Lifter - EMD Locomotives

This lifter was developed to pick up various EMD radiator bank lifters on road type locomotives. Four pick up points are provided and they are connected to slide rings on the main tube allowing for proper pick up spacing. Also shown separately is the T57060 lifting cleat.



T57120

EMD Brake Slack Adjusting Socket



The Brake Slack Adjusting Socket (Item #2 Shown Here) is equipped with a 1/2" female square input that can be driven with a standard ratchet and has a 3 1/16" output that drives EMD slack adjusters

T57170

C Frame Manipulator With Manual Hydraulic Pump

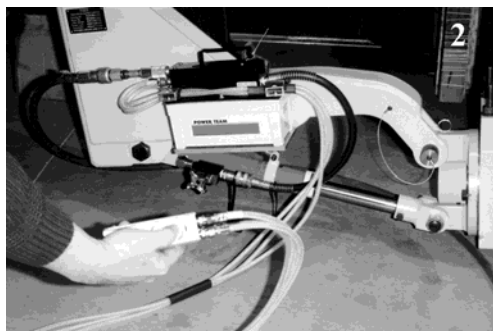


Designed for safe and easy removal and installation of EMD power assemblies, air compressors, auxiliary generators, inertial filters, as well as several new applications. This photo shows the manipulator complete with hydraulic pump, hose and ram without the specialized attachments necessary for the specific applications. Four pick up points are provided on the top member to aid various applications, and a slip pin with safety clip is provided for ease of moving the clevis from point to point.

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- | | | |
|----|---------------------------|---|
| 1 | T57170 | "C" Frame Manipulator |
| 2 | T57170APP | "C" Frame Manipulator with Air Powered Remote Control Pump |
| 3 | T57170SC | "C" Frame Manipulator Storage Cart |
| 4 | T57211 | Power Assembly Jacking Tool |
| 5 | T57200 | Power Assembly Adapter |
| 6 | T58621 | Power Assembly Adapter |
| 7 | T57182 | Air Compressor Removal and Installation Appliance |
| 8 | T57371 | Auxiliary Generator Lifter for GP38 Engine |
| 9 | T57800 | Turbocharger Aftercooler Air Duct Removal and Installation Tool |
| 10 | T57600 | Lube Oil Cooler Lifter |
| 11 | T58942 | SD70 MAC Air Compressor Removal and Installation Tool |
| 12 | T57360 | Inertial Filter Lifter |
| 13 | T58610 | Roots Blower Lifter |
| 14 | T57374 | Auxiliary Generator Lifter - Modern EMD Engines except GP38 |
| 15 | T57181-37 | GE Air Compressor Lifter - 37" Long |
| 16 | T59990 | GE Oil Cooler Lifter - Upright Oil Coolers |
| 17 | T59860 | GE Auxiliary Generator Lifter |

T57170-APP

"C" Frame Manipulator w/Air Powered Pump



T57170PG

Extended Width "C" Frame Manipulator



We were recently approached by a customer that was looking to utilize our "C" Frame Manipulator With Interchangable Appliances for their maintenance needs. However the current standard design would not work for them due to interference issues. We were able to design, build, and certify this modified version of our "C" Frame Manipulator that would work based on their space constraints.

T57170SC1

Storage Cart for "C" Frame Manipulator



This platform has been improved per suggestion from railway mechanical personnel to include a step and hand hold rail that accommodates repositioning the pick-up clevis on top of the "C" Frame Manipulator. Second, a catch cleat has been added to the "C" Frame that engages the new style rear support of the storage platform. These changes were made to ease mounting the "C" Frame Manipulator into position on the platform. The "C" Frame can be placed on the platform using any of the four pick-up positions.

T57182

EMD Air Compressor Removal and Installation Adapter for "C" Frame Manipulator - Non SD70 Locomotives



For use with the "C" Frame Manipulator. This appliance adds to the safety and speed of removing and replacing air compressors in the carbody.

NOTE: The pickup point of the "C" Frame for this application is the outboard most hole provided in the top rail as marked.

T57221

Inertial Filter Lifter With Sling for EMD Engines



This lifter is used to remove and install inertial filters on EMD locomotives. The pick up point allows for level lifting and a lip supports the bottom of the filter so as to minimize any distortion of the filter during lifting. The top flange of the lifter accommodates three bolts, washers and nuts to minimize stress on the mounting flange of the filter. The lifter comes equipped with the lifting sling shown.

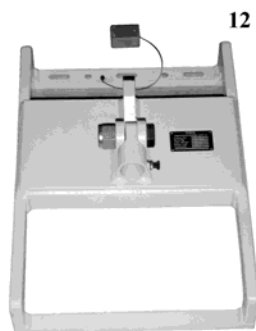
T57280

EMD Aftercooler Core Lifter



T57360

Inertial Filter Lifting Adapter for "C" Frame Manipulator - EMD Locomotives



The T57360 Inertial Filter Lifter connects to the filter in the same way the T57220 lifter does. The bottom lip is placed under the filters face and supports it during the lift, also protecting against distortion. The top flange of the lifter also accommodates three bolts to minimize stress.

This lifter also has a "wooden" block attached to a wire cable to act as a spacer so the machinist can keep his fingers away from any positions where they might be pinched.

T57371M

GP38 Locomotive Auxiliary Generator Lifting Attachment for "C" Frame Manipulator

This adapter is complete with backing plate. This allows for sandwiching of the auxiliary generator mounting bracket between the adapter and backing plate for pickup attachment. The adapter comes with three grade 8 mounting screws. Once attached to the auxiliary generator mounting bracket, the adapter is easily connected to the "C" Frame Manipulator.

This particular appliance is for the GP38 only.

T57374

Auxiliary Generator Lifting Adapter for "C" Frame Manipulator - for EMD GP's (minus GP-38) and SD's (minus 7's and 9's)

This adapter is complete with backing plate. This allows for sandwiching of the auxiliary generator mounting bracket between the adapter and backing plate for pick up attachment. The adapter comes with three grade 8 mounting bolts. Once attached to the auxiliary generator mounting bracket, the adapter is easily connected to the "C" Frame Manipulator. This appliance is for all modern GP's and SD's (not including 7's and 9's) except for the GP-38 which is serviced with the T57371.

T57561

11' Long Cantilever Lifter - Multiple Use - Rated At 700 lbs

The T57561 - 11 foot long cantilever lifter is rated 700 lbs. and is used for heavier locomotive components such as auxiliary generators. It weighs approximately 65 lbs.

T57660

Lube Oil Cooler Lifting Adapter for "C" Frame Manipulator - EMD Locomotives



This lifter features two snugging screws at the far end to ensure a proper clasp of the oil cooler to be changed. A near end adjustable clamp can be turned over to clamp various oil cooler thicknesses. The lifter also incorporates a swivel mechanism that allows for proper positioning of the oil cooler when removing and installing.

T58040

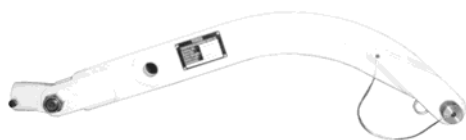
EMD Main Alternator Lifter



This lifter was designed to lift EMD main alternators from car bodies. It is equipped with six grade 8 lifting bolts of the proper length that screw into the alternator lifting pad.

T58610

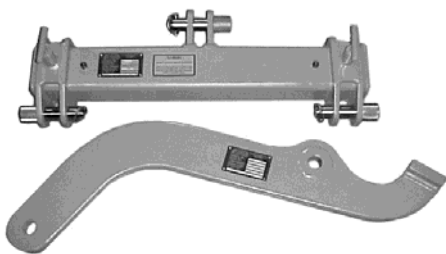
EMD Roots Blower Lifting Attachment for "C" Frame Manipulator



The T58610 Roots Blower Lifter comes complete with the mounting plate (shown below) which bolts to the blower, and the "C" Frame arm (above) which connects to the swivel pick up on the mounting plate.

T58942

Air Compressor Lifting Adapter for "C" Frame Manipulator - EMD SD70 MAC



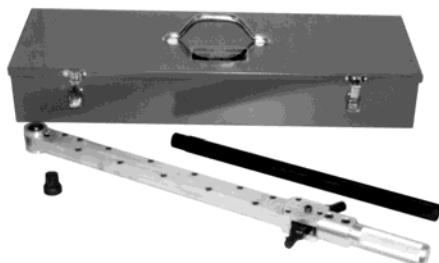
This appliance has two components which allows safe and easy lifting of air compressors for SD70 MAC Engines.

The extension connects to the compressor with the two side mounting pins, and is lifted with the arm which is mounted on the "C" Frame Manipulator.

Note: Thelifter was modified with a sliding member and several holes providing a series of pickup points to ensure a level lift. (not shown in picture)

T59110

EMD Roots Blower Ratchet Wrench Kit

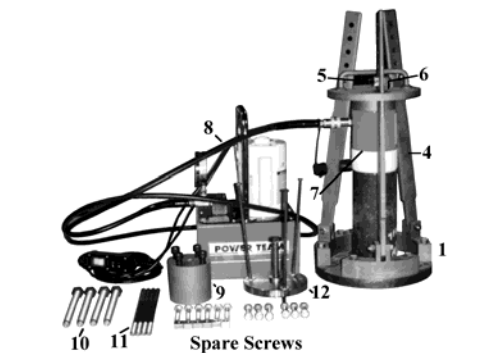


This kit was designed to accommodate hard to reach nuts and bolts on EMD Roots Blowers. The kit consists of a "walking dog" type wrench with a rocker input, a drive handle and a 3/4" male to 3/4" female socket. The kit comes with a heavy duty storage box. A T16491 Torque Handle can be used on the input spud to torque the bolts. Set torque with a shop torque analyzer.

T59380

Alternator Bearing Housing Puller Kit for EMD AR10 Alternators - With 115V Electric Hydraulic Pump

This kit is used when AR10 Alternator Bearings have to be replaced.



- [T59380-1](#) Puller Cleat (3 required)
- [T59380-2](#) Puller Cleat to Bearing Housing Screws (6 req.) Should be replaced after each use
- [T59380-3](#) Puller Cleat to Arm Screw (3 required)
- [T59380-4](#) Puller Arm (3 required)
- [T59380-5](#) Anchor Plate Screw Assembly (3 required)
- [T59380-6](#) Anchor Plate
- [T59380-7](#) Ram
- [T59380-8](#) Hose
- [T59380-9](#) Spacer with Screws
- [T59380-10](#) 12" Long 3/4"-10 Screws (4 required)
- [T59380-11](#) Guide Pins (4 required)
- [T59380-12](#) Puller Plate for Outer Collar with Screws
- [T59380-13](#) Center Forcing Screw 6" 3/4"-10 (1 required)
- [T59380-14](#) Anchor Bolts 12" 3/8"-16 Bolts (3 required)

T62660

Hinge Type EMD Water Pump Lifter



This "hinge type" lifter mounts onto the EMD water pump using the hardware provided. (4 nuts are welded to the surface to store bolts and pins when not in use) This lifter was designed to attach the inlet face of the water pump while in the shipping container. After the lifter is mounted on the water pump the safety latch is placed over the lip to secure the lifter arm. The pick-up eye is also equipped with a swivel hoist ring allowing the lifter to turn freely.

T62930

EMD Engine Aftercooler Lifter



This lifter incorporates two custom turned 3/8"-24 heavy duty bolts to lift the engine aftercooler. Three pick up points are available - horizontal, vertical and tilted for installation/removal (the latter two positions use the shackle provided). The knurled handle is used to ease the lift in position. WLL 375 Lbs.

T63680

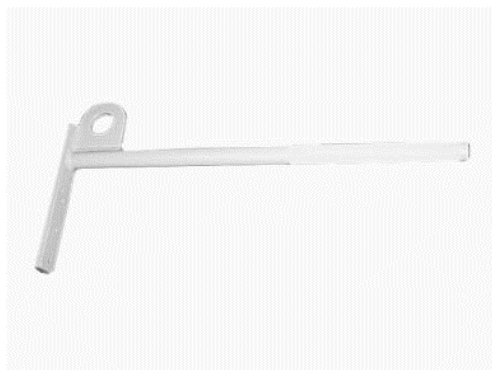
Air Compressor Lifter for EMD SD70 and SD80 MAC Locomotives



This lifter is used for the installation/removal of SD70 and SD80 MAC Air Compressors. There are two separate mounting plates and six bolt holes to secure the 1/2" grade 8 bolts into the compressor. The rated load is 2,300 Lbs.

T63930

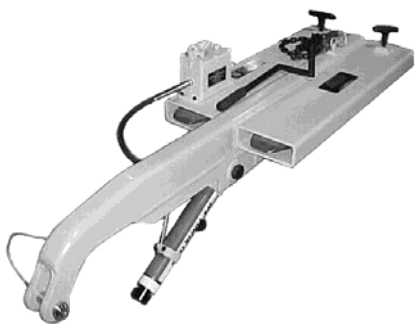
EMD Intercooler Lifter



This lifter is used for removal/installation of EMD Intercoolers with the cab on. Three holes are drilled on the mounting face to accommodate mounting bolts and the load is guided using the knurled handle.

T64790

Forklift Appliance Lifter With Manual Hydraulic Pump- Accomodates All Attachments for T57170 "C" Frame Manipulator



This tool was designed to accommodate regular "C" Frame attachments onto a forklift fixture. There are "T" Handle brakes that engage the top of the forks and a safety chain that is installed around the mast. The nose section is identical to a "C" Frame Manipulator and the appliances are installed the same way. The T64790 comes complete with pump and ram.

T65580

EMD Water Pump Wrench Set



T66510

Aftercooler Lifter for EMD SD-70ACE Locomotives



T66580

EMD SD60, SD70 Blower Puller Stud Set



T66590

EMD SD 70 ACE Air Compressor Lifter

