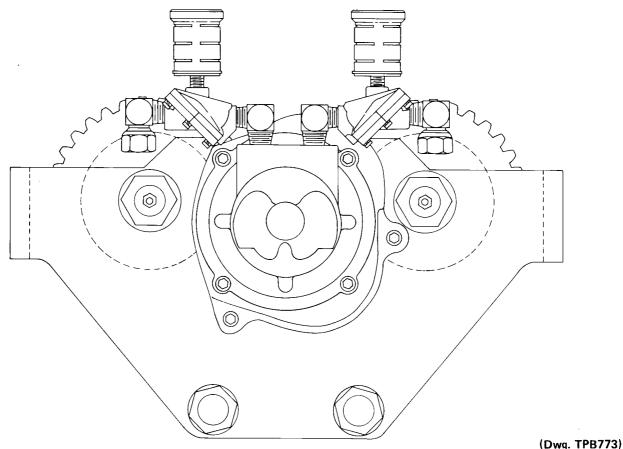
for SIX TON MOTOR DRIVEN TROLLEYS

TA6A-K430 Standard; Taper Tread Wheels; 3.33" to 7.25" Wide I-beams TA6A-K430T Standard; Flat Tread Wheels; 3.25" to 7.25" Wide Flat-beams TA6A-K1430 Spark-Resistant; Taper Tread Wheels; 3.33" to 7.25" Wide I-beams TA6A-K1430T Spark-Resistant; Flat Tread Wheels; 3.25" to 7.25" Wide Flat-beams

Always operate, inspect and maintain this Trolley in accordance with American National Standards Institute Safety Code (ANSI B30.11, B30.16) and any other applicable safety codes and regulations.

FOR TOP PERFORMANCE AND MAXIMUM DURABILITY OF PARTS, OPERATE THIS MOTOR DRIVEN TROLLEY AT 90 psig (6.2 bar/620 kPa) AIR PRESSURE WITH 1/2" (13 mm) MINIMUM AIR SUPPLY HOSE.

READ ALL INSTRUCTIONS BEFORE INSTALLING, OPERATING OR REPAIRING THIS MOTOR DRIVEN TROLLEY.



Refer All Communications to the Nearest Ingersoll-Rand Office or Distributor.
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HOW TO ORDER REPAIR PARTS FOR YOUR MOTOR DRIVEN TROLLEY

Your Motor Driven Trolley is designed and constructed to give you long, trouble-free service. In time it may become necessary to order and install new parts to replace those that have been subject to wear. For prompt service and genuine Ingersoll-Rand parts, place orders with your nearest Ingersoll-Rand Distributor. The use of other than Ingersoll-Rand replacement parts may result in decreased Trolley performance, and may invalidate all warranties.

When ordering parts, give your Distributor the following data:

- 1. Complete model number of the Motor Driven Trolley as it appears on the nameplate.
- 2. Complete part number, part name and quantity needed as shown on the pages of this manual.

If it becomes necessary to return the complete Motor Driven Trolley or certain parts to the factory, contact the Distributor from whom you purchased the Trolley, or the nearest Ingersoll-Rand Distributor in your locality.

INSTALLING THE MOTOR DRIVEN TROLLEY

Make certain your Motor Driven Trolley is properly installed. A little extra time and effort in doing so can contribute a lot toward preventing accidents and helping you get the best service possible.

For optimum performance, furnish filtered and lubricated air at 90 psig (6.2 bar/620 kPa) air pressure to the Trolley. Motor Driven Trolleys are furnished with either taper tread wheels or flat tread wheels. Taper tread wheels are used on tapered beams such as I-beams while flat tread wheels are used on flat beams such as monorails and wide flange beams.

Always make certain the beam on which the Trolley is mounted is strong enough to support the combined weight of Trolley and Hoist, plus the weight of a maximum rated load of the Hoist, plus a factor of at least 500% of the combined weights. These Motor Driven Trolleys are to operate with a maximum load of six metric tons.

The Side Plates (35 or 36) must be spaced so that the wheel flanges extend beyond the width of the beam flange. The wheel flanges must be 1/8 to 3/16 inches (3.2 to 4.7 mm) wider than the beam flange for straight beams and 3/16 to 1/4 inches (4.7 to 6.3 mm) wider for curved beams.

The load must be under the center line of the Trolley and the center line of the supporting beam. To make certain that this condition exists, an equal number of Trolley Mounting Spacers (52) must be located between the Trolley Side Plate and the mounting lug on the Hoist in all four locations. If necessary, to obtain proper adjustment, the number of Spacers on one Side Plate may differ in quantity from the other Side Plate by a quantity of only one. However, the quantity of Spacers used on any one Side Plate must be identical. The remaining Spacers must be equally distributed on the outside of the Side Plates. Warning: At least one Mounting Spacer must be used between the head of each Trolley Mounting Bolt (50) and the Side Plate, and between each Mounting Bolt Nut (51) and the Side Plate. Failure to do this could cause the Hoist to fall when used improperly.

After installation, operate the Trolley over the entire length of the beam with a capacity load suspended a few inches off the floor to make certain that adjustment and operation are satisfactory. If the Side Plates can be moved closer together while maintaining satisfactory operation, do so by removing an equal number of Trolley Mounting Spacers from each side.

After the Trolley is properly spaced and mounted, tighten the Mounting Bolt Nuts (51) to 250 ft-lb (339 N m) of torque. For air supply to the Trolley, install a tee in the air supply line ahead of the Hoist. Connect the air supply hose for the Trolley to the tee and, if a single motor Pendent Throttle is used, to the center pipe connection on the Pendent Throttle Handle (100).

Direction of Trolley travel is determined by connection of the two outside control hoses from the Pendent Throttle Handle to the Trolley. If you want the Trolley to travel to the left when the left-hand Pendent Throttle Lever (102) is depressed, connect the Control Hose (108) leading from the left-hand side of the Pendent Throttle Handle to the right-hand connection on the Trolley. Connect the Control Hose leading from the right-hand side of the Pendent Throttle Handle to the left-hand side of the Trolley.

Always make certain that the pipe tapped air ports on the motor are toward the top of the Trolley. Failure to properly orient the air ports will affect the operating characteristics of the Trolley.

LUBRICATION

When installing a Motor Driven Trolley, always use an air line filter-lubricator in the air supply line mounted as close to the Trolley as practical. A filter-lubricator large enough to service both the Hoist and Trolley is normally mounted ahead of the tee to accommodate both units. Use a filter-lubricator having a pipe tap inlet and outlet at least as large as the Hoist inlet. Adjust the lubricator to provide a slight oil mist in the exhaust.

LUBRICANTS

Oil: Ingersoll-Rand No. 50 Oil or a good quality SAE 20 or 20W nondetergent motor oil. A good quality SAE 10 or 10W nondetergent motor oil may be used when temperatures remain below 50° Fahrenheit (10° Celsius).

Grease: Ingersoll-Rand No. 68 Grease or a good quality No. 2 multi-purpose grease.

Grease: Ingersoll-Rand No. 70 Grease or a good quality No. 2 extreme pressure multi-purpose grease.

LUBRICATION SCHEDULE

Time Interval	Lubricant	Component	Procedure
Regularly	Ingersoll-Rand No. 50 Oil	In-line lubricator	Fill and maintain the oil level of the lubricator reservoir.
Each 200 hours	Ingersoll-Rand No. 68 Grease	Wheel Bearings	Inject 30 cc of grease into each Grease Fitting (48).
Each 500 hours or whenever the Trolley is dis- assembled	Ingersoll-Rand No. 70 Grease	Gearing and bearings	Disassemble the Motor and Gear Case as instructed in the disassembly instructions. Wipe the old grease from the gears and then liberally coat all the gears and bearings with grease. Reassemble the Trolley as instructed in the assembly instructions.

DISASSEMBLY

WARNING: DISCONNECT THE AIR SUPPLY HOSE TO THE HOIST AND MOTOR DRIVEN TROLLEY BEFORE PERFORMING ANY MAINTENANCE OR REPAIRS ON THE HOIST OR TROLLEY. REMOVE THE HOIST AND ALL LOADS IF THE TROLLEY MUST BE DISASSEMBLED.

General Instructions

- 1. Do not disassemble the Motor Driven Trolley any further than necessary to replace a worn or damaged part.
- 2. Do not remove any part which is a press fit in or on a subassembly unless the removal of that part is necessary for replacement or repairs.
- 3. Do not disassemble this Trolley unless you have a complete set of new gaskets and seals on hand for replacement.
- 4. Whenever grasping a part in a vise always use leather-covered or copper-covered vise jaws to protect the surface of the part and help prevent distortion. This is particularly true of threaded members and housings.

Disassembly of the Motor

- 1. Disconnect all piping at both motor inlets.
- 2. Unscrew the Motor Mounting Cap Screws (15) and withdraw the motor from the Gear Case (21).
- 3. Unscrew the Fronthead Cap Screws (13) and withdraw the Cylinder (1) and Fronthead Seal (12).
- 4. Remove the Vanes (4) from the slots in the Rotor (3).
- 5. Slide the Rotor off the Rotor Shaft (6) and remove the Rotor Key (5). Note: If the Rotor does not readily slide off the Rotor Shaft, hold the Rotor and tap on the plain end of the Rotor Shaft with a plastic hammer.
- 6. Remove the Front Rotor Shaft Bearing Retainer (9) from the Fronthead (10).
- 7. Grasp the splined end of the Rotor Shaft, and pull the Rotor Shaft and Front Rotor Shaft Bearing (8) from the Fronthead.
- 8. If the Front Rotor Shaft Bearing is to be removed from the Rotor Shaft, remove the Rotor Shaft Retainer (7) and slide or press the Bearing from the Rotor Shaft.

Disassembly of the Gearing

- 1. If the motor does not require disassembly, unscrew the Motor Mounting Cap Screws (15), withdraw the motor from the Gear Case (21) and set the motor aside intact.
- 2. Using snap ring pliers, remove Drive Gear Retaining Ring (34) and slide the Drive Gear (32) off the shaft of the Output Gear (30).
- 3. Unscrew the Gear Case Mounting Screws (25) and remove the Gear Case (21) and Gear Case Cover (23) from the Motor Side Plate (35). Keep the Gear Case Cover in position against the Gear Case and set the Gear Case on a workbench with the Cover upward.
- 4. If the Drive Gear Bearing (33) must be replaced, pull or press it from the Side Plate.
- 5. Separate the Gear Case Cover from the Gear Case and remove the Gear Case Gasket (22).
- 6. Lift the Output Gear (30) and Output Gear Thrust Washer (31A) out of the Gear Case.
- 7. Lift the Intermediate Gear Assembly (27) and Intermediate Gear Washers (29) out of the Gear Case. Note the positions of the Washers.
- 8. If the Intermediate Gear Bearings (28) require replacement, press one Bearing from the Gear Case and the other from the Gear Case Cover.
- 9. If the Output Gear Bearing (31) must be replaced, press it from the Gear Case.

Disassembly of the Trolley Wheel

- 1. Using an impact wrench, loosen and remove the Trolley Wheel Shaft Nut (40). Remove the Shaft Nut Lock Washer (41) and the Wheel Shaft Washer (49) from the Trolley Wheel Shaft (39) and pull the assembled Trolley Wheel (37 or 38) and Shaft out of Side Plate (35 or 36).
- 2. Slide the Wheel Shaft Spacer (47) off the Wheel Shaft.
- 3. Remove the four Wheel Cap Screws (45) and Wheel Cap Screw Nuts (46).
- 4. Remove the Wheel Bearing Plate (44) and Wheel Bearing Cover (42). Push on the threaded end of Trolley Wheel Shaft to remove it from the Wheel.
- 5. If the Trolley Wheel Bearing (43) must be replaced, press it from the Trolley Wheel.
- 6. Repeat this procedure on the remaining Trolley Wheels.

ASSEMBLY

General Instructions

- 1. Always press on the inner ring of a ball-type bearing when installing the bearing on a shaft.
- 2. Always press on the outer ring of a ball-type bearing when installing the bearing in a bearing recess.
- 3. Always press on the stamped end of a needle-type bearing when installing the bearing in a bearing recess.
- 4. Whenever grasping a part in a vise, always use leather-covered or copper-covered vise jaws to protect the surface of the part and help prevent distortion. This is particularly true of threaded members and housings.

Assembly of the Trolley Wheel

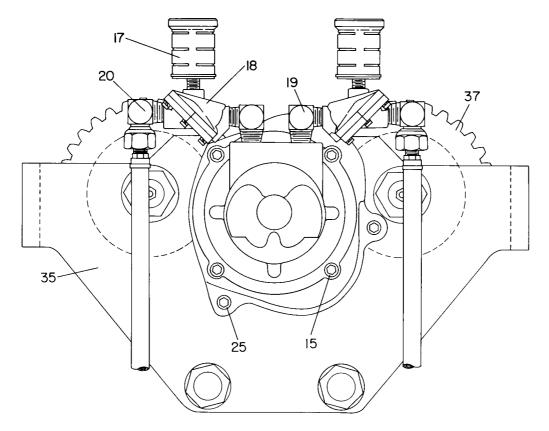
- 1. The Trolley Wheel Bearing (43) is a slide or light press fit into the Trolley Wheel (37 or 38). Install the Bearing in the Wheel with the shielded side of the Bearing toward the large wheel flange.
- 2. Insert the Trolley Wheel Shaft (39) into the Wheel Bearing with the threaded end of the Shaft toward the large wheel flange.
- 3. Install the Wheel Bearing Plate (44) on the threaded end of the Shaft against the hub of the Wheel.
- 4. Position the Wheel Bearing Cover (42), concave side first, against the hub on the nonflanged side of the Wheel.
- 5. Insert the four Wheel Cap Screws (45), from the Bearing Cover side of the Wheel, through the Cover, Wheel and Bearing Plate.
- 6. Install the four Wheel Cap Screw Nuts (46) on the Screws and tighten them securely.
- 7. Install a Wheel Shaft Spacer (47) on the Wheel Shaft and insert the Shaft through the Side Plate. Note: Geared Trolley Wheels (37) must be installed on the Motor Side Plate (35) while Plain Trolley Wheels (38) must be installed on Plain Side Plates (36), Mount the Geared Wheel on the side of the Motor Side Plate opposite the recess for the Drive Gear Bearing (33).
- 8. Install a Wheel Shaft Washer (49), Shaft Nut Lock Washer (41) and Trolley Wheel Shaft Nut (40) on the threaded end of the Shaft. Tighten the Nut to 250 ft-lb (339 N m) torque. An impact wrench may be used to begin tightening the Nut.
- 9. If the Grease Fitting (48) was removed from the Wheel Shaft, install it in the end of the Shaft and inject 30 cc of Ingersoll-Rand No. 68 Grease into the Wheel Bearing.
- 10. Repeat this procedure for the remaining Trolley Wheels.

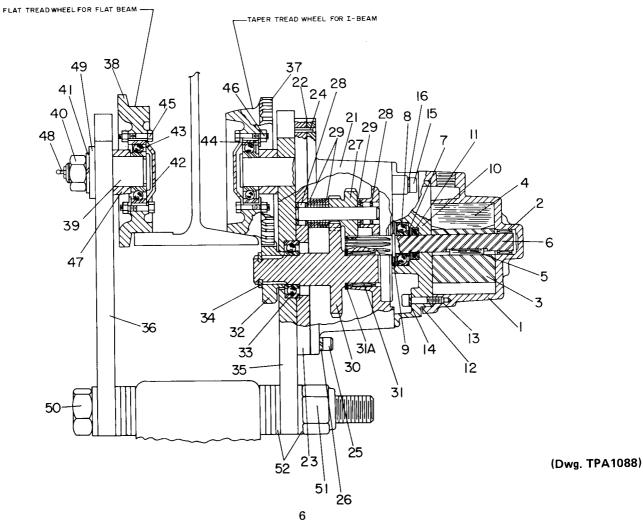
Assembly of the Gearing

- 1. With the motor end of the Gear Case (21) resting on the table of an arbor press, press a new Output Gear Bearing (31) into the Gear Case if the old Bearing was removed.
- 2. Likewise, press a new Intermediate Gear Bearing (28) into the Gear Case if the old Bearing was removed.
- 3. Press the other Intermediate Gear Bearing into the Gear Case Cover (23).
- 4. Pack all three Bearings with Ingersoll-Rand No. 70 Grease.
- 5. Install one Intermediate Gear Washer (29) on the shaft of the Intermediate Gear Assembly (27) against the large gear and insert the shaft with the Washer into the Intermediate Gear Bearing in the Gear Case.
- 6. Install the seven remaining Intermediate Gear Washers on the shaft of the Intermediate Gear Assembly against the small gear.
- 7. Install the Output Gear Thrust Washer (31A) on the short shaft of the Output Gear (30) and insert the shaft with the Washer into the Output Gear Bearing in the Gear Case. Make certain the Output Gear meshes with the small gear of the Intermediate Gear Assembly.
- 8. Pack the Gear Case with Ingersoll-Rand No. 70 Grease.
- 9. Place the Gear Case Gasket (22) against the Gear Case and position the Gear Case Cover against the Gasket and Gear Case. Make certain the Gear Case Alignment Pins (24) enter the holes in the Cover and the bolt holes are aligned.
- 10. Install the Drive Gear Bearing (33) in the Motor Side Plate (35). The Bearing may be a light press or slide fit into the recess.
- 11. Position the Gear Case and Cover against the Side Plate making certain the Drive Gear Bearing enters the recess in the Gear Case Cover and the bolt holes are aligned.
- 12. Install the three Gear Case Mounting Screws (25) and Mounting Screw Lock Washers (26). Tighten the Screws to 20 ft-lb (27 N m) torque.
- 13. Slide the Drive Gear (32) onto the shaft of the Output Gear and install the Drive Gear Retaining Ring (34). Coat the Drive Gear with Ingersoll-Rand No. 70 Grease.
- 14. If the motor was not disassembled, liberally coat the splined end of the Rotor Shaft (6) with Ingersoll-Rand No. 70 Grease.
- 15. Mount the assembled motor on the Gear Case so that the Rotor Shaft meshes with the Intermediate Gear, and so that the motor inlets face the top of the Trolley.
- 16. Install the Motor Mounting Cap Screws (15) and Lock Washers (16). Tighten the Motor Mounting Cap Screws to 11 ft-lb (15 N m) of torque.

Assembly of the Motor

- 1. If the Rear Rotor Shaft Bearing (2) was removed from the Cylinder (1), press a new Bearing into the recess at the bottom of the Cylinder until the trailing edge of the Bearing is flush or slightly below flush with the face of the bearing recess. Pack the Bearing with Ingersoll-Rand No. 68 Grease.
- 2. If the Rotor Shaft Seal (11) was removed from the Fronthead (10), press a new Seal, open side first, into the Fronthead until it seats.
- 3. Press the Front Rotor Shaft Bearing (8), shielded side first, on the plain end of the Rotor Shaft (6) until it seats against the shoulder near the splined end of the shaft.
- 4. Install the Rotor Shaft Retainer (7) in the groove on the Rotor Shaft.
- 5. Insert the plain end of the Rotor Shaft through the Rotor Shaft Seal and Fronthead until the Front Rotor Shaft Bearing seats in the bearing recess in the Fronthead.
- 6. Install the Front Rotor Shaft Bearing Retainer (9) in the groove of the bearing recess in the Fronthead.
- 7. Grasp the splined end of the Rotor Shaft in copper-covered vise jaws so that the Rotor Shaft is vertical with the plain end upward.
- 8. Place the Rotor Key (5) in the key slot in the Rotor Shaft.
- 9. Slide the Rotor (3) on the Rotor Shaft until it contacts the Fronthead. Note: The Rotor must just contact the Fronthead; it must not bind against the Fronthead.
- 10. Wipe each Vane (4) with a film of light machine oil, and place a Vane in each slot in the Rotor.
- 11. Place the Fronthead Seal (12) over the cylinder pilot on the Fronthead.
- 12. Place the Cylinder, open end first, down over the Rotor so that the Rotor Shaft enters the Rear Rotor Shaft Bearing in the Cylinder.
- 13. Install the Fronthead Cap Screws (13) and Lock Washers (14). Tighten the Cap Screws to 15 ft-lb (20 N m) of torque.
- 14. Liberally coat the splined end of the Rotor Shaft with Ingersoll-Rand No. 70 Grease.
- 15. Mount the assembled motor on the Gear Case so that the Rotor Shaft meshes with the Intermediate Gear, and so that the motor inlets face the top of the Trolley.
- 16. Install the Motor Mounting Cap Screws (15) and Lock Washers (16). Tighten the Motor Mounting Cap Screws to 11 ft-lb (15 N m) of torque.
- 17. Install the Mufflers (17), Quick-Exhaust Valves (18), Elbows (19) and Hose Unions (20) on the motor. Note: The side of the Quick-Exhaust Valves marked "CYL" must be toward the motor. The mufflers may be turned upward.



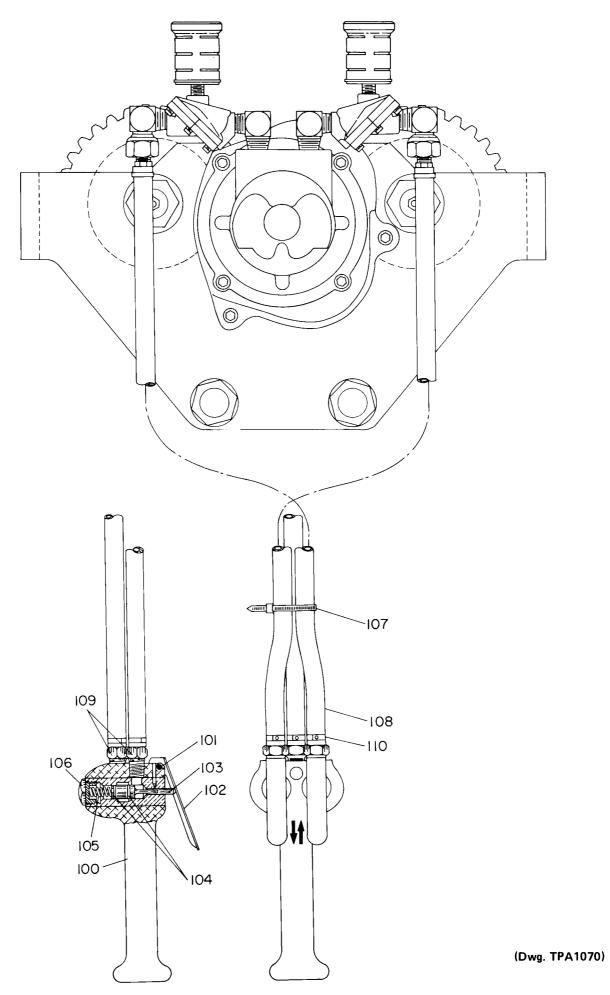


		<u> </u>
	Cylinder Assembly	MVA017-A3
▲ 1	Cylinder Assembly.	MVA008-22
• 2	Rear Rotor Shaft Bearing	
3	Rotor	MVA017-53
• 4	Vane Packet (set of 6 Vanes)	MVA017-42 - 6
5	Rotor Key	J5-754
	ROLUL Rey.	TA3-52
6	Rotor Shaft	MVA008-218
7	Rotor Shaft Retainer	
• 8	Front Rotor Shaft Bearing	R2H-97
9	Front Rotor Shaft Bearing Retainer	S12-118
•	Fronthead Assembly	MVA008-A240A
10	Rotor Shaft Seal	M0V010AA-271
• 11	Rotor Shaft Seal	MVA008-103
• 12	Fronthead Seal	
13	Fronthead Cap Screw (4)	R3F-7
14	Fronthead Cap Screw Lock Washer (4)	8U-58
_	Motor Mounting Cap Screw (4)	834-638
15	Motor Mounting Cap Sciew (4).	34U-58
16	Mounting Screw Lock Washer (4)	
17	Muffler (2)	TA223A-311
18	Quick-Exhaust Valve (2)	MR-939
19	3/8" x 90° Elbow (2)	TA3-161
	3/8" x 90 Hose Union (2)	TA3-129
20	5/0 A 70 Hose Omon (2)	TA3-353A
21	Gear Case	TA3-354A
• 22	Gear Case Gasket	
23	Gear Case Cover	TA6-502
24	Gear Case Alignment Pin (2)	510-669A
	Gear Case Mounting Screw (3)	AHC68-22
25	Gear Case Mounting Sciew (3)	D02-321
26	Mounting Screw Lock Washer (3)	TA6-10
27	Intermediate Gear Assembly	
28	Intermediate Gear Bearing (2)	HRA20A-318
29	Intermediate Gear Washer (8)	TA6-596
30	Output Gear	TA6-843
	Output Gear Bearing	20BM-399A
31	Output Gear Bearing.	CE110-596
31 <i>A</i>	Output Gear Thrust Washer	
32	Drive Gear	TA6-028
33	Drive Gear Bearing	SS800-22
34	Drive Gear Retaining Ring	CE220-631
35	Motor Side Plate	į
33	standard	TA6-430
	standard	TA6A-1430
	spark-resistant	1A0A-1430
36	Plain Side Plate	
	standard	TP6A-430
	spark-resistant	TP6A-1430
27	Geared Trolley Wheel (2)	ľ
37	standard taper tread	D10-472B
		D10-T472B
	standard flat tread	•
	spark-resistant taper tread	D10-1472B
	spark-resistant flat tread	D10-T1472B
38	Plain Trolley Wheel (2)	
30	standard taper tread	D10-431B
	standard flat tread	D10-T431B
	standard flat tread	D10-1431B
	spark-resistant taper tread	1
	spark-resistant flat tread	D10-T1431B
39	Trolley Wheel Shaft (4)	D10-435A
40	Trolley Wheel Shaft Nut (4)	D10-305A
41	Shaft Nut Lock Washer (4)	WASHER LOCK:1.50
42	Wheel Bearing Cover (4)	D10-954
42	Trolley Wheel Bearing (4)	D10-956
	Wheel Bearing Plate (4)	D10-955
• 44	Wheel Cap Screw (16)	
45	Wheel Cap Screw (16)	
46	wheel Cap Screw Nutl (10)	
47	Wheel Shaft Spacer (4)	
48	Wheel Shaft Grease Fitting (4)	WASHER-1.50
49	Wheel Shaft Washer (4)	
50	Trolley Mounting Bolt (2).	1
51	Mounting Bolt Nut (2)	· ·
52	Trolley Mounting Spacer (72)	D10-442
*	Caution Tag	TP200-943
*	Nameplate Drive Screw (4)	R4K-302

Not illustrated.

To keep downtime to a minimum, it is desirable to have on hand certain repair parts. We recommend that you stock one (pair or set) of each part indicated by a bullet (•) for every four tools in service.

An entire Motor can be replaced by ordering a Replacement Motor Assembly (Part No. TA3) which includes items 1 through 14 plus a Nameplate (Part No. MVA008-301) and two Nameplate Screws (Part No. MVA008-302).



PART NUMBER FOR ORDERING -

Pendent Throttle Handle and Hose Assembly (for Trolley motor with 7 ft. Hose) Pendent Throttle Handle Assembly	MR-A269-7 MR-269A DLC-120A
•	
Throttle Lever Pin	DLC-120A
	*
Lever Pin Retaining Screw (2)	HRE20A-68
Retaining Screw Lock Washer (2)	D02-138
Pendent Throttle Lever (2)	MR-273
Pendent Throttle Valve (2)	MR-264
Pendent Throttle Valve Seal Ring (2 for each Valve)	AF120-289
Pendent Throttle Valve Spring (2)	D01-51A
Pendent Throttle Valve Cap (2)	D02-180A
Hose Binder (3 required for 7 ft. Hose; 1 required for each additional 2 ft. of Hose)	HRE20A-283
Hose (specify total length required)	BH6A
Hose Nipple (2 required for each Hose)	RV1-46
Hose Clamp (2 required for each Hose)	B-1
	Lever Pin Retaining Screw (2). Retaining Screw Lock Washer (2). Pendent Throttle Lever (2). Pendent Throttle Valve (2). Pendent Throttle Valve Seal Ring (2 for each Valve). Pendent Throttle Valve Spring (2). Pendent Throttle Valve Cap (2). Hose Binder (3 required for 7 ft. Hose; 1 required for each additional 2 ft. of Hose). Hose (specify total length required). Hose Nipple (2 required for each Hose).

- * Not illustrated.
- To keep downtime to a minimum, it is desirable to have on hand certain repair parts. We recommend that you stock one (pair or set) of each part indicated by a bullet (●) for every four tools in service.
- + Hose Clamps (Part No. B-1) are Punch-Lok Hose Clamps which require a special installation tool. If an installation tool is not available, order Hose Clamps (Part No. K6U-4) which are worm gear clamps that are screwdriver installed.

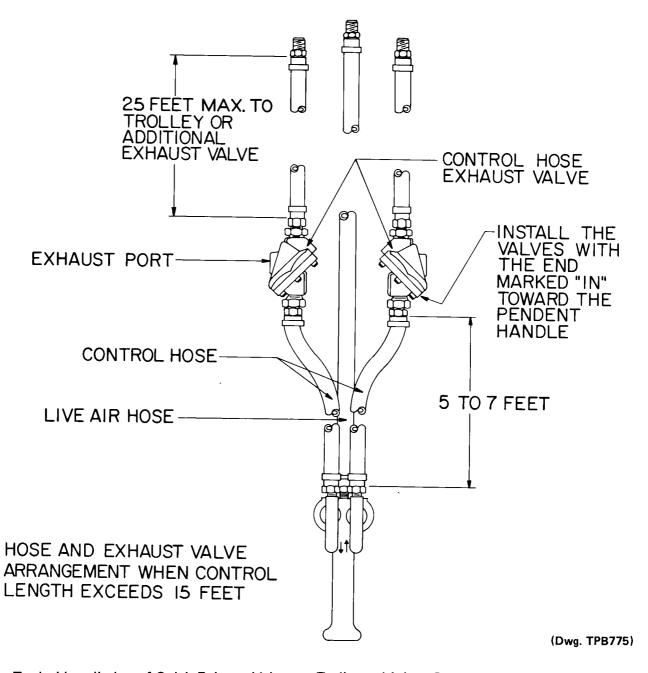
KITS AND ACCESSORIES

Hook-on Trolley Kit: Used to convert 6 ton plain rigid Trolleys and powered rigid Trolleys to hook-on type for use with hook mounted Hoists.

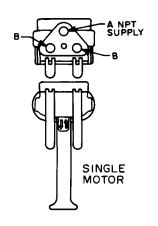
No. TP6-K426 (03706413)

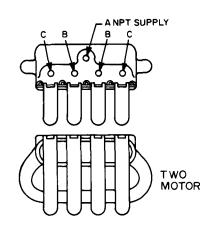
Quick-Exhaust Kit: Recommended when Pendent Hoses exceed 15 feet in length. Includes Valve, fittings and clamps for one 3/8" I. D. Control Hose. Install the first pair of Valves between 5 and 7 feet from the Pendent Handle. Any additional Valves should equally divide the remaining hose length.

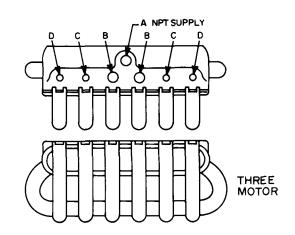
Kit Number	Pendent Length	Recommended Quantity
MR-K939-6	15 ft. or less	0
(03706504)	16 ft. to 30 ft.	1 pair (2 Kits)
(03/06304)	31 ft. to 55 ft.	2 pair (4 Kits)
	56 ft. to 80 ft.	3 pair (6 Kits)



Typical installation of Quick-Exhaust Valves on Trolleys with long Pendent Control Hoses







(Dwg. TPC484)

PENDENT HANDLES

		Dimensions (NPT Air Inlet)			
Туре	Part Number	A in.	B in.	C in.	D in.
Single Motor	MLK-A269A	1/8	1/8		
	MR-269A	3/8	3/8		
	C6H20A-A169B	1/2	1/2		
Two Motor	PILOT-A122B	3/8	1/8	1/8	
	HRA-A122B	3/8	1/8	3/8	
	MR-A122A	3/8	3/8	3/8	
	C6H20A-A122B	1/2	1/2	3/8	
Three Motor	PILOT-A132B	3/8	1/8	1/8	1/8
	HRA-A132B	3/8	1/8	3/8	3/8
	MR-A132A	3/8	3/8	3/8	3/8
	C6H20A-A132B	1/2	1/2	3/8	3/8

Note: When a pendent controlled Hoist is purchased with pendent controlled Power Trolley Tractor or Crane Propelling Motor, the required two or three Motor Pendent is furnished at no extra price in place of the individual Pendents.

APPROXIMATE AIR FLOW RATES

NPT Air Inlet in.	SCFM
1/8	* 15
3/8	100
1/2	200

★ For pilot air only.

