Form 6333 First Edition October, 1975

INSTRUCTIONS AND REPAIR PART LIST

for

SERIES C6CA AND C620C ONE TON CAPACITY AIR MOTOR DRIVEN OVERHEAD HOISTS

STANDARD HEADROOM SIZES

Standard	Spark-Resistant
C6CA15	C6CA15SR
C6CA25	C620C20SR
C620C20	C620C32SR
C620C32	C620C40SR
C620C40	C620C60SR
C620C60	C620C100SR
C620C100	

LOW HEADROOM SIZES

Standard	Spark-Resistant
C620C20LH	C620C20LR
C620C32LH	C620C32LR
C620C100LH	C620C100LR

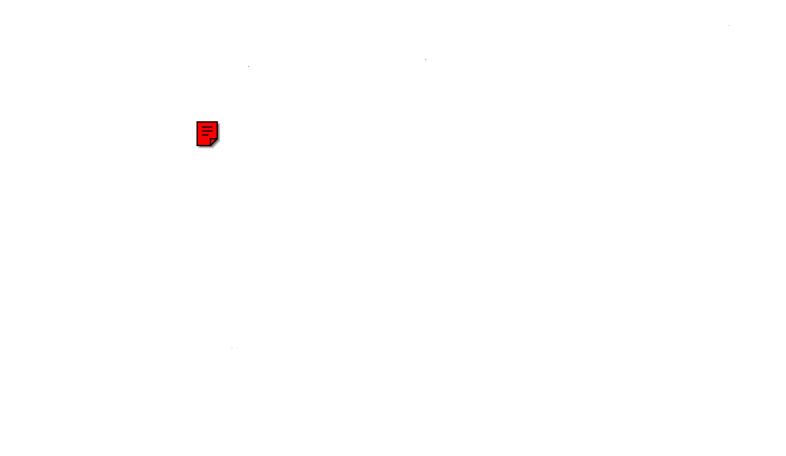
SUPERSEDED HOISTS STANDARD HEADROOM SIZES

Standard	Standard	Spark-Resistant
C6H20A15	C6H20B14	C6H20A15SR
C6H20A22	C6H20B20	C6H20A22SR
C6H20A28	C6H20B32	C6H20A28SR
C6H20A35		C6H20A35SR
C6H20A40		C6H20A40SR
C6H20A60		C6H20A60SR
C6H20A100		C6H20A100B

LOW HEADROOM SIZES

Standard	Spark-Resistant
C6H20A15LH	C6H20A15LR
C6H20A22LH	C6H20A22LR
C6H20A35LH	C6H20A35LR





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SAFE OPERATING PRACTICES

The two most important aspects of safe Hoist operation are: (1) Allow only qualified people to operate a Hoist, and (2) Subject each Hoist to a regular inspection and maintenance procedure.

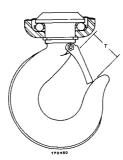
A qualified operator must be physically competent. He must have no health condition which might affect his ability to react, and he must have good hearing, vision and depth perception. The qualified Hoist operator must be carefully instructed in his duties and must understand the operation of the Hoist, including a study of the manufacturer's literature. He must thoroughly understand proper methods of hitching loads. He should have a good attitude regarding safety and should refuse to operate under unsafe conditions.

Regular inspection procedures should be set up, rigidly adhered to and recorded by or under the direction of a qualified person. On Hoists in continuous service, inspection should be made at the beginning of each shift. The items to be checked include, but are not limited to:

- a. Lubrication according to manufacturer's instructions.
- b. Brakes: Visually check for proper adjustment (see Brake Adjustment on page 4). Lift a capacity or near capacity load a few inches off the floor and check the ability of the braking system to stop and hold the load without excessive drift.
- c. Wire Rope and Hooks: Visually inspect the wire rope. Replace it at once if there is indication of fraying, or if it is crushed, cut or otherwise damaged.

Hooks should be checked for wear, increase in throat opening, and bending.

Note: Increased throat opening or a bent hook indicates overloading or abuse. Replace hooks having a 15% increase in throat or 10% bend. If the safety latch snaps past the tip of the hook, the hook is sprung and must be replaced. Check hook support bearings for lubrication or damage. See that they swivel easily and smoothly.



	"T" Throat Opening			
HOOK ASSEMBLY NUMBER	New		Disc	ard
	inches	mm	inches	mm
С6Н20А-АS377	1 1/4	32	17/16	36
C6H20A-ASR377	11/2	38	1 23/32	43
C6H20A-ABB377	1 1/4	32	17/16	36

Refer to Hook Replacement in MAINTENANCE Section.

- d. Controls: See that the controls function properly and return to neutral when released. Check the functioning of up and down stops by running the empty hook slowly to both extremes of travel. If the hook does not stop in its normal position, do not operate the Hoist until the cause of the trouble is located and corrected.
- e. General: Check to see that suspension fastenings are secure, unworn and undamaged. On trolley-mounted Hoists, check that trolley wheels track the rail properly and that wheels and rail are not excessively worn. Be alert for unusual visual or audible signs which could indicate a defect. Do not operate the Hoist until the defect has been determined and corrected.

Periodically, depending on the severity of the service:

- a. Inspect the top and bottom hooks with a magnetic particle or other crack detector.
- b. Check the hook thrust bearings for smoothness and ascertain that the hook nuts are properly tightened and locked.
- c. Check the condition of the trolley wheels and bearings by lifting a capacity load with the Hoist and slowly moving it along the track, paying particular attention for rough or bumpy operation.
- d. Check all bolts or fasteners used in the suspension of the Hoist.

OPERATING INSTRUCTIONS

- 1. Read the manufacturer's instructions before operating the Hoist.
- 2. Never lift a load greater than the rated capacity of the Hoist.
- 3. Never use the Hoist rope as a sling.
- 4. Always stand clear of the load.
- 5. Never use the Hoist for lifting or lowering people, and never stand on a suspended load.
- 6. Never carry loads over people.
- 7. Before each shift, check the Hoist for wear or damage. Check brakes, limit stops, etc.
- 8. Periodically inspect the Hoist thoroughly and replace worn or damaged parts.
- 9. Follow the lubrication instructions.
- 10. Do not attempt to repair load hooks. Replace them when we'n or damaged.
- 11. Never operate a Hoist when the load is not centered under the hook. Do not "side pull" or "yard".
- 12. Always rig the Hoist properly and carefully.
- 13. Never operate a Hoist with twisted, kinked or damaged wire rope.
- 14. Ease the slack out of the wire rope and sling when starting a lift. Do not jerk the load.
- 15. Keep the wire rope clean and well lubricated. Do not drag it or the hook on the floor.
- 16. Be certain there are no objects in the way of a load or hook when moving the Hoist.
- 17. Be certain the air supply is shut off before performing maintenance work on the Hoist.
- 18. Avoid swinging the load when moving the Hoist. Slowly start the trolley.
- 19. Keep the load block overhead when not in use.
- 20. Properly secure the Hoist before leaving it unattended.
- 21. Be certain the load is properly seated in the saddle of the hook. Do not tipload the hook as this leads to spreading and eventual failure of the hook.
- 22. Do not allow unqualified personnel to operate a Hoist.
- 23. Avoid collision or bumping of Hoists. Do not swing a suspended load.
- 24. Do not operate a Hoist if you are not physically fit to do so.
- 25. Do not do anything you believe may be unsafe.
- 26. Do not use the Hoist rope as a ground for welding. Do not attach a welding electrode to a Hoist or sling chain.
- 27. Do not divert your attention from the load while operating a Hoist.
- 28. Do not use up and down stops as a means of stopping a Hoist—these are emergency devices only.
- 29. Do not leave a load suspended for any extended period-never unattended.
- 30. Never splice a sling chain by inserting a bolt between links.
- 31. Do not force a chain or hook into place by hammering. Do not insert the point of the hook into a chain link.
- 32. Do not expose the sling chain to freezing temperatures, and do not apply sudden loads to a cold chain.

INSTALLATION

Proper installation is a prime factor in safe, efficient and trouble free operation. The following standards should be followed in planning and execution:

- 1. **Hoist Support**: Install the Hoist only after determining that the support is ample for loadings equal to at least **five times** the combined weights of the Hoist and rated load.
- 2. Air Supply: Compressor and supply line must have the capacity to maintain 80 psig (551 kPa) air pressure at the air inlet of the Hoist. We recommend:
 - a. 1" (25 mm) diameter, or larger, pipe or hose for the supply line.
 - b. That a No. EU-A267 Air Strainer, or a No. NFLU-16 Filter-Lubricator Unit be installed as close as practical to the Hoist. Note: Use of a Lubricator is not a substitute method of lubricating the motor. Instead it supplements the crank splash system. Procedures outlined under Lubrication must be followed even though air line lubrication is provided.
 - c. Use some type of support for supply hose to protect it and keep it out of the way. An Ingersoll-Rand AHC Hose Carrier is the finest system available. Hose Trolleys that operate on I-Beams or that operate on a special track are also available from Ingersoll-Rand. Various hose reels are also on the market. The Ingersoll-Rand Sales Engineer will be glad to assist you.
- 3. Lug Mounting: Design and construct mounting in accordance with the following standards:
 - a. Use bolts of maximum diameter that will pass through holes in mounting boss on the Hoist.
 - b. Use a lug or plate on each side of the boss.
 - c. Bolt lugs or plates solidly to the Hoist and support. If necessary, use spacers to maintain lugs parallel to each other.
 - d. Mounting must hold the Hoist so that the longitudinal centerline of the drum is level.

- 4. Top Hook: Be sure the support rests completely within the saddle of the hook and that it is centered directly above the hook shank. Do not attach the hook to any support that causes the Hoist to cant in any direction.
- 5. Trolleys: Observe the following guidelines when installing a trolley-mounted Hoist:
 - a. Make certain that the trolley is correct for the track.
 - b. Space trolley brackets so that the distance between the wheel flanges is 1/4" (6 mm) greater than the width of the track flange. Use equal spacers on each side of boss so that Hoist is centered under track. The correct amount of spacers is supplied with the Trolley for mounting a Hoist on an I-Beam or Flat-Tread Monorail with the specified flange width.
 - c. Use a 90° Angle Attachment if the application requires that the rope drum be at right angles to rather than in line with the track. The Attachment can be used on any Hoist with single mounting boss.

WARNING: Before shipment, all oil was drained from the Motor Case (1). A quantity of oil sufficient for one filling is contained in the can packed with the Hoist. Before operating the Hoist, close the Oil Cock (2) at the bottom of the Motor Case, remove the Vent Cap (3), and pour the entire contents of the can into the Motor Case. Remove the large pipe plug from the top of the Gear Case (140) and replace it with the Gear Case Vent Cap (149).

- d. Slowly move the Hoist (without load) from one end of the track to the other to ascertain that there is proper clearance and that the trolley operates smoothly. Apply a load to the Hoist and repeat.
- e. Provide stops on the track to prevent overtravel.
- 6. Muffler: A safety chain is furnished with each Ingersoll-Rand Muffler. Secure the end of the Chain under a cap screw so that the Muffler will not fall should it loosen or be broken from the Hoist.

LUBRICATION

Recommended Lubricants: (See special instructions for Hoists with Dual Brakes.)

Motor and Gearing

For ambient temperatures of 30° F to 80° F, use Ingersoll-Rand Medium Oil No. 50, or SAE 30 Motor Oil, or any non-emulsifying, non-detergent, rust-inhibiting, oxygen-stable oil meeting AGMA Standard No. 2.

For ambient temperatures below 30° F, use SAE 20 or 20W Motor Oil, or a non-emulsifying, non-detergent, rust-inhibiting, oxygen-stable oil of equivalent viscosity.

For ambient temperatures above 80° F, use SAE 40 Motor Oil, or any non-emulsifying, non-detergent, rust-inhibiting, oxygen-stable oil meeting AGMA Standard No. 3.

For Hoists with Dual Brakes, use Ingersoll-Rand No. 10 Oil in the Gear Case to obtain proper load brake functioning. (Note: The only fully acceptable substitute for Ingersoll-Rand Oil No. 10 is Mobil-Kote No. 501).

Sheaves, Valve Chest and Trolley Wheels:

Use Ingersoll-Rand Lubricant No. 28 or No. 2 Multi-Purpose Grease.

Maintain Oil Level in Motor Case and Gear Case

At regular intervals, depending on the service to which the Hoist is subjected, check the oil in the Motor Case as follows:

- 1. After the Hoist has been idle for several hours, open the Oil Cock (2) at the bottom of the Motor Case (1) and allow the accumulated water to drain out; then close.
- 2. Open the Oil Cock in the side of the Motor Case and unscrew the Vent Cap (3) from the top of the Motor Case.
- 3. Add sufficient oil through the top opening to raise the oil level to the line on the sight glass or even with the open Oil Cock in the side of the Motor Case. At regular intervals, check the Oil Level Gauge in the Gear Case.

If necessary, add the recommended oil to maintain the oil level at the line on the glass.

Weekly, or as experience indicates, inject 2 or 3 strokes of the recommended grease into all Grease Fittings.

MAINTENANCE

Keep the Wire Rope tightly wound on the grooved Rope Drum (96). Before putting a grooved-drum Hoist in service and periodically thereafter, run the Hoist in the lowering direction as far as the down-stop will permit. Apply a load to the Hook and rewind the Rope on the Drum. During storage, shipment or if the Hoist is used primarily for lowering loads, the Wire Rope tends to uncoil. If not corrected, loops will form which may in time cross over one another and cause serious damage.

Adjustment of Diaphragm Brake

Screw the Brake Adjusting Nuts (173) along the brake plate studs until there is 1/32" to 1/16" play of the Brake Plunger (177) on the studs.

Hook Replacement

In the original design, and continuing into 1975, the Hook Nut was locked on the shank of the Hook by upsetting the end of the shank after the Hook was installed in the Sheave Block or Top Hook Yoke. This is an effective method of locking, but it does make removal difficult if the Hook or Bearing must be replaced. Because of this, the Hook shank has been modified to include a cross hole, the Nut has been changed to a slotted type and a Lock Pin is used. The new style parts can be used, in combination, to replace the previous parts in the original Sheave Block or Yoke. To facilitate the installation of the Lock Pin, the small hole in the side of the Block now being furnished has been relocated to align with the cross hole in the hook shank. It may be necessary to drill a hole in the side of old style Sheave Blocks to allow installation of the new style Hook and Lock Pin.

Reverse Valve Removal

Unscrew the Throttle Valve Cap (49) and withdraw the Spring (48), Poppet Throttle Valve (43) and Ball (47) before attempting to withdraw the Reverse Valve (41) from the Reverse Valve Bushing (29).

Valve Chest Removal

Use two No. D02-932 Valve Chest Jack Bolts ($\frac{1}{2}$ "-13 thd. x 5 $\frac{1}{4}$ " long) to remove the Valve Chest (27) from the Motor Case (1).

Removal and Installation of the Reverse Valve Bushing

When pressing the Reverse Valve Bushing (29) from the Valve Chest (27), use an arbor that will clear the Bushing Key that projects into the Valve Chest bore. Always press against the bushing face that is flush with the cover side of the Valve Chest.

Always press a new Bushing, grooved end first, into the motor case side of the Valve Chest, making certain that the groove along the side of the Bushing is aligned with the Bushing Key. Press in the new Bushing until its leading face is flush with the cover side of the Valve Chest. Insert No. 23470 Throttle Valve Stem Reamer into the bottom bore of the Valve Chest from which the Poppet Throttle Valve was removed, and ream the hole in the wall of the Bushing to .505". If the Reverse Valve fits too tightly in the new Bushing, ream the Bushing 1.625".

Motor Removal

Should it ever become necessary to remove the Motor for repair or replacement of parts, do not remove the Stop Lever Bracket Screws (124). These Screws will retain the Motor Case Cover (90) on the Hoist Housing (92) so that the Motor can be removed without disturbing the Rope Drum (96) and related parts.

Crank Assembly

The two sections of the Crank (9) are joined and marked before final machining; only those parts with identical markings can be used together. If two or more Cranks are disassembled at the same time, be certain that only parts with identical markings are assembled together. Use a new Crank Taper Pin (10) each time a Crank is reassembled. Lightly strike the large end of the Crank Taper Pin to seat it in the Crank, and then spread the split end of the Pin.

Gear Case and Gearing

The Gear Case Cover (145) is retained on the Housing (92) by two socket head Gear Case Cover Retaining Screws so that the Gear Case (140) can be removed from the Hoist without disturbing the Rope Drum (96) and related parts. Use two 3/4"-10 thd. x 6" long jack bolts to pull the Drum Gear off the hub of the Rope Drum.

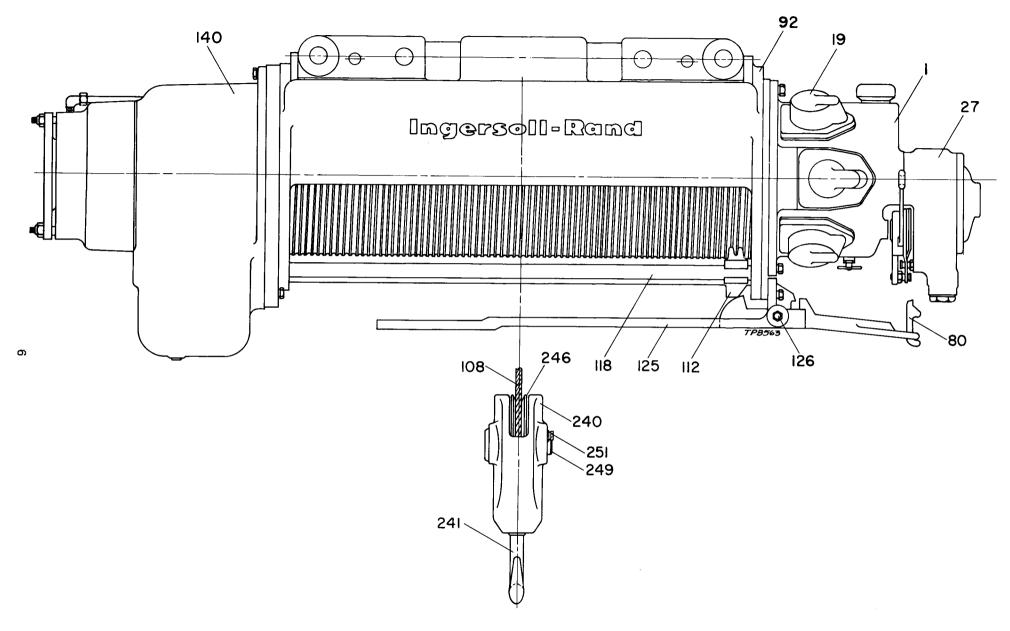
Press the Intermediate Shaft Inner Bearing (157) into the bearing recess in the Gear Case Cover (152) before pressing the Drum Gear onto the hub of the Rope Drum.

When assembling Mechanical Load Brake parts note that one side of the Brake Ratchet Assembly (165) and Load Brake Flange (160) is stamped with an "X". When these parts are assembled in the Gear Case make certain that both "X's" face the Gear Case Cover.

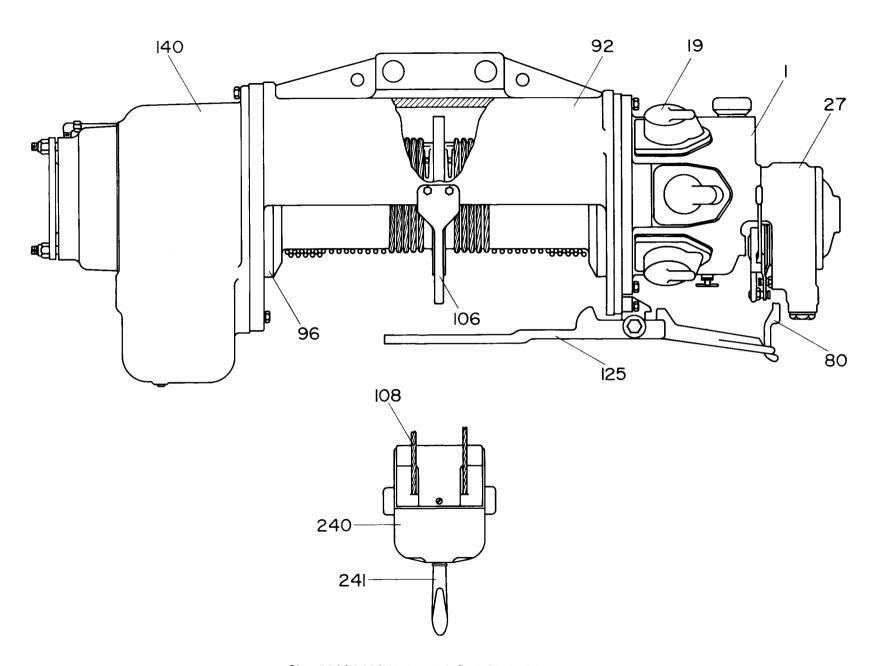
REPAIR PARTS

To keep costly downtime to a minimum, it is desirable to have on hand certain repair parts. To guide you in the stocking of repair parts, certain Illustration Numbers of the Repair Part List are marked with a bullet (●). We recommend that with parts so indicated, you stock one (pair or set) repair part for every four tools in service.

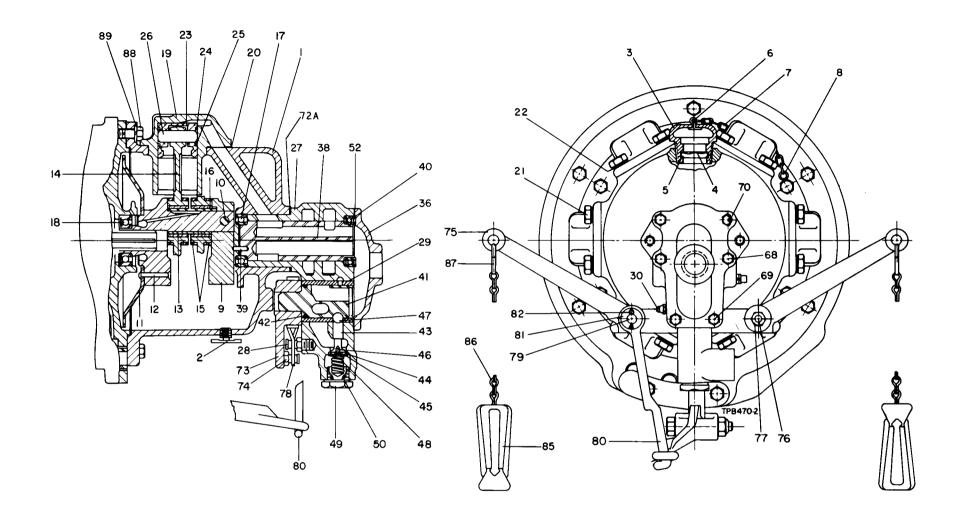
If the tools are being used in remote geographical areas, or are subject to unusually severe service, the items and quantities should be increased. Contact the nearest Ingersoll-Rand Company Branch for recommendations.



Size C620C60 Hoist with Pull-Chain Throttle



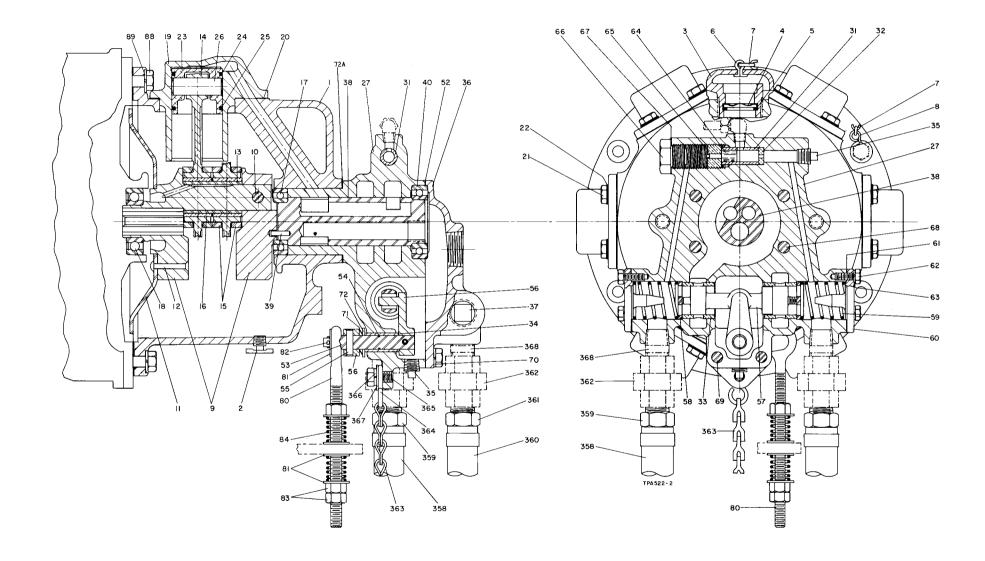
Size C620C100 Hoist with Pull-Chain Throttle



Six-Cylinder Hoist Motor with Pull-Chain Throttle Valve Chest

MOTOR PARTS

		PART NUMBER	FOR ORDERING
ILLUS.	PART NAME FOR ORDERING	TYPE OF	CONTROL
NUMBER (Do not use for ordering)	(Parts indented after an item are included with that item)	PULL-CHAIN THROTTLE	PENDENT THROTTLE OR REMOTE CONTROL
	Motor Assembly		
	for Hoist equipped with Diaphragm Brake	C6H20A-DA501	C6H20A-PDA501
	for Hoist equipped with Dual Brake	C6H20A-A501	C6H20A-PDA501
. 1	Motor Case	C6H20A-501	C6H20A-501
2	Oil Cock (2)	D02-308	D02-308
3	Vent Cap Assembly	D02-303A	D02-303A
4	Vent Cap Screen	D02-889	D02-889
5	Vent Cap Screen Retainer	6CND-233-1/2	6CND-233-1/2
6	Vent Cap Cotter	D02-893	D02-893
7	Vent Cap Chain	D02-891	D02-891
8	S-Hook	D02-421	D02-421
	Crank and Connecting Rod Assembly	C6H20A-A516	C6H20A-A516
9	Crank Assembly	C6H20A-B516	C6H20A-B516
10	Crank Taper Pin	D10-520	D10-520
11	Oil Splasher.	C6H20A-540	C6H20A-540
12	Oil Splasher Rivet (3)	C6H20A-541	C6H20A-541
13	Crank Pin Sleeve	C6H20A-519	C6H20A-519
14	Connecting Rod (6)	C6H20A-509	C6H20A-509
15	Connecting Rod Ring (4)	C6H20A-510	C6H20A-510
16	Connecting Rod Bushing (2)	C6H20A-511	C6H20A-511
17	Crank Bearing, Valve End (AFBMA No. 25BC10)	C6H20A-518	C6H20A-518
18	Crank Bearing, Spline End (AFBMA No. 30BC02JP)	C04-318	C04-318
19	Cylinder (6)	C6H20A-505	C6H20A-505
• 20	Cylinder Gasket (6)	C6H20A-507	C6H20A-507
21	Cylinder Cap Screw (24) (3/8"-16 thd. x 7/8" long)	D02-506	D02-506
22	Cylinder Cap Screw Washer (24) (3/8" copper washer)	D02-504	D02-504
23	Piston Assembly (6)	D02-513B	D02-513B
24	Piston Ring (one for each Piston)	D02-337A	D02-337A
25	Oil Regulating Piston Ring (one for each Piston)	D02-338	D02-338
26	Piston Wrist Pin (6)	D02-514	D02-514



Six-Cylinder Hoist Motor with Pendent Throttle or Remote Control Valve Chest

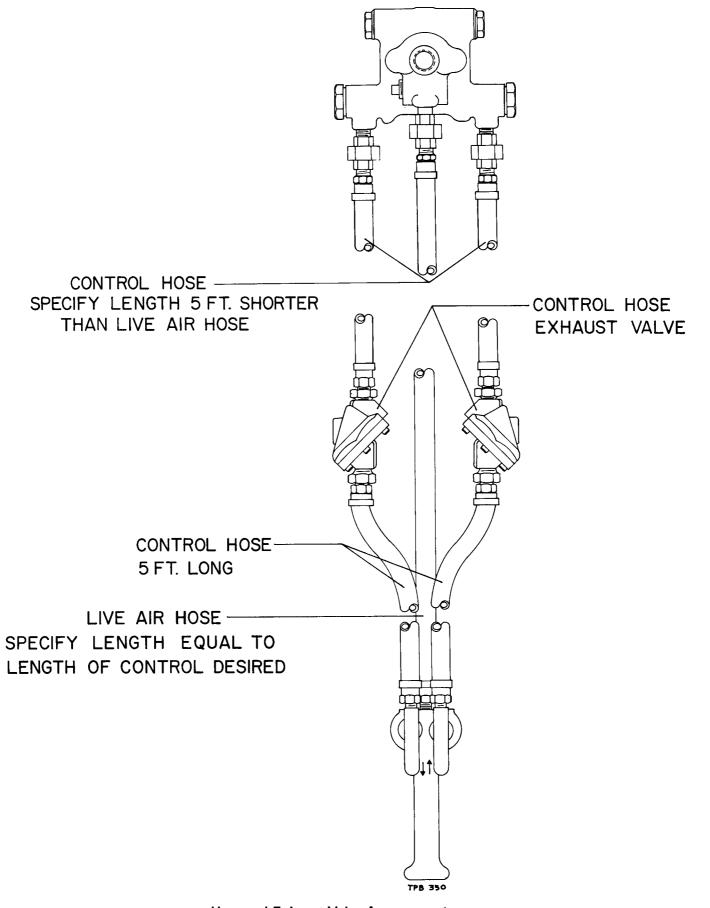
MOTOR PARTS (Continued)

		PART NUMBER FOR ORDERING		
ILLUSTRATION NUMBER (Do not use for ordering) PART NAME FOR ORDERING PART NAME FOR ORDERING (Parts indented after an item are included with that item)	PART NAME FOR ORDERING	TYPE OF	TYPE OF CONTROL	
	(Parts indented after an item are included with that item)	PULL-CHAIN THROTTLE	PENDENT THROTTLE OR REMOTE CONTROL	
	Valve Chest and Valve Assembly			
	for Hoist with Diaphragm Brake	C6H20A-DA545	C6H20A-A45	
	for Hoist with Dual Brake	C6H20A-A545	C6H20A-A45	
27	Valve Chest Assembly	C6H20A-B545	C6H20A-B45	
28	Throttle Lever Spring Stop Pin	D02-553		
• 29	Reverse Valve Bushing	C6H20A-945		
*	Reverse Valve Bushing Key	D02-538		
30	Grease Fitting	R1-188		
31	Brake Valve Bushing.		D10-63	
32	Brake Valve Disc.		D10-44	
• 33	Shuttle Valve Bushing (2)		C6H20A-247	
34	Stop Arm Shaft Bushing		C6H20A-243	
35	44" Pipe Plug (1 additional for Hoist with Diaphragm Brake)		D02-402	
36	Valve Chest Cover	C6H20A-546	C6H20A-241	
37	Air Inlet Plug.		22SR-165	
38	Rotary Valve Assembly	С6Н20А-А526	C6H20A-A526	
39	Rotary Valve Pin.	510-669A	510-669A	
• 40	Rotary Valve Tin. Rotary Valve Bearing (AFBMA No. 40BC10)	R4800-97	R4800-97	
41	Reverse Valve Assembly	K4800-57	K+600-57	
*1	for Hoist with Diaphragm Brake only	C6H20A-A744		
	for Hoist with Dual Brake	C6H2OA-A944		
• 42		C6H20A-948		
• 42	Reverse Valve Seal			
43	Poppet Throttle Valve Assembly	C6H20A-A940		
• 44	Poppet Throttle Valve Face	C6H20A-259		
45	Valve Face Cap	588-157		
46	Valve Face Cap Screw (No. 8-32 thd. x 3/8" long)	R10V-404		
47	Throttle Valve Ball (1/2" dia. steel ball)	D10-280		
• 48	Throttle Valve Spring	B01-11		
49	Throttle Valve Cap.	C6H20A-943		
50	Throttle Valve Cap Gasket	D02-239		
51	Brake Inlet Plug (1/8" pipe plug)	P250-368	OCH204 225	
• 52	Valve Chest Cover Gasket	C6H20A-928	C6H20A-236	
53	Stop Arm Shaft Assembly		C6H20A-A255	
• 54	Stop Arm Shaft Seal		R000BR-210	
55	Stop Arm Shaft Pin (2)		D01-256	
56	Stop Arm (2)		C6H20A-254	

^{*} Not illustrated.

MOTOR PARTS (Continued)

		PART NUMBER	FOR ORDERING	
ILLUSTRATION			TYPE OF CONTROL	
NUMBER (Do not use for ordering)	(Parts indented after an item are included with that item)	PULL-CHAIN THROTTLE	PENDENT THROTTLE OR REMOTE CONTROL	
57	Shuttle Valve	·,	C6H20A-246	
58	Shuttle Valve Washer (2)		C6H20A-248	
• 59	Shuttle Valve Spring (2).		C6H20A-250	
60	Shuttle Valve Cap (2)		C6H20A-238	
• 61	Shuttle Valve Cap Gasket (2).	.	C6H20A-239	
62	Shuttle Valve Cap Screw (6) (1/4"-20 thd. x 5/8" long)		R2N-103	
63	1/4" Lock Washer (6)		L01-67	
64	Brake Valve.		D10-62	
65	Brake Valve Seat.		D01-65	
66	Brake Valve Cap		D01-943	
● 67	Brake Valve Cap Brake Valve Cap Gasket		D01-946	
68	Valve Chest Screw (4) (3/8"-16 thd. x 4" long)	C6H20A-548	C6H20A-548	
69	Valve Chest Screw (4) (48 -16 thd. x 4 folig) Valve Chest Cover Screw (2) ($\frac{3}{8}$ "-16 thd. x $\frac{7}{8}$ " long).	D02-506	D02-506	
	3/8" Lock Washer (6)	D02-306 D02-321	D02-306 D02-321	
70 ● 71	Friction Spring (1 for Pull Chain; 2 for others)	D02-321 D01-268	D02-321 D01-268	
- /1		DU1-200	23-725	
72	Friction Spring Washer		C6H20A-128	
72A	Valve Chest Gasket	C6H20A-128	C6H2UA-128	
73	Throttle Control Arm Assembly	C6H20A-A555		
74	Throttle Lever Spring Stop Pin	D02-553		
75 7-5	Throttle Lever (2)	D02-556		
76	Throttle Lever Bolt	D02-411A		
77	Throttle Lever Bolt Nut (2) (1/2"-13 thd. jam nut)	D02-418A		
• 78	Throttle Lever Spring	D02-412B		
79	Stop Link Bolt	D02-523		
80	Stop Lever Link			
	Standard	C6H20A-424	D02-224	
	Spark-Resistant	C6H20A-R424	D02-1224	
81	Stop Link Washer (5 for Pendent Throttle; 1 for others)	D02-419	D02-419	
82	Stop Link Bolt Cotter (3/32" x 3/4")	D02-524	D02-524	
83	Stop Lever Link Nut (2)		D02-418	
84	Stop Lever Link Spring (2)		D02-106	
85	Throttle Handle (2)	MR-415		
86	Throttle Chain (length as specified)			
	Standard	D02-B413		
	Spark-Resistant	D02-B1413		
87	S-Hook (2 for each Throttle Chain).	D02-421		
88	Motor Case Cover Screw (6) (3/8"-16 thd. x 11/2")	23-717	23-717	
89	3/8" Lock Washer (18 for C6CA15, 15SR; C620C20, 20SR, 20LH, 20LR, 32, 32SR, 32LH, 32LR,			
	60 and 60SR; 21 for C620C100, 100SR, 100LH and 100LR; 22 for C6CA25)	D02-321	D02-321	



Hose and Exhaust Valve Arrangement When Control Length Exceeds 20 Feet

PENDENT THROTTLE HANDLE PARTS

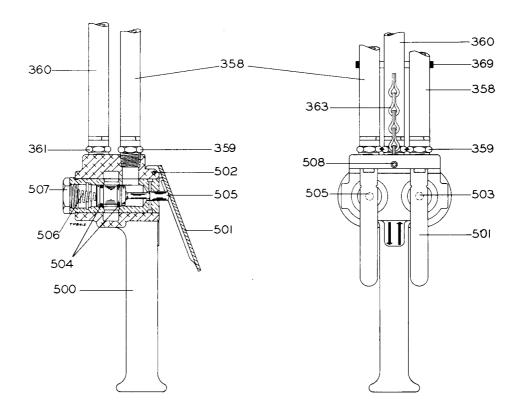


ILLUSTRATION NUMBER (Do not use for ordering)	PART NAME FOR ORDERING (Parts indented after an item are included with that item)	PART NUMBER FOR ORDERING
358	Control Hose Assembly (2) (length as specified)	C6H20A-AL930
359	Hose Nipple (2 for each Hose)	C6H20A-14
360	Live Air Hose Assembly (length as specified)	C6H20A-AL930
361	Hose Nipple (2)	C6H20A-14
362	Hose Union (3)	AAM-282
363	Pendent Throttle Chain (length as specified) (order Chain one inch shorter than Live	
	Air Hose)	D02-B413
364	S-Hook	D01-221
365	Pendent Throttle Chain Screw	D02-506
366	Chain Screw Lock Washer	D02-321
367	3/8" Plain Washer	D02-419
368	Pendent Throttle Inlet Nipple (3)	AAM-286
369	Hose Binder (3)	D10-927
○ 370	Control Hose Exhaust Valve (2)	C6H20A-939
500	Pendent Throttle Handle Assembly	C6H20A-A169
501	Pendent Throttle Lever (2)	C6H20A-273
502	Throttle Lever Pin	C6H20A-281
503	Pendent Throttle Raise Valve Assembly	C6H20A-A164
504	Pendent Throttle Valve Seal Ring (2)	AF160-289
505	Pendent Throttle Lower Valve Assembly	C6H20A-A165
504	Pendent Throttle Valve Seal Ring (2)	AF160-289
506	Pendent Throttle Valve Spring (2)	T01-308
507	Pendent Throttle Valve Cap (2)	C6H20A-180
508	Chain Anchor Pin Lock Screw	H54U-561
*	Throttle Chain Anchor Pin	R4-15

^{*} Not illustrated.

O Required when control length exceeds 20 feet. Locate Valves 5 feet from Handle as shown in illustration.

REMOTE CONTROL PARTS

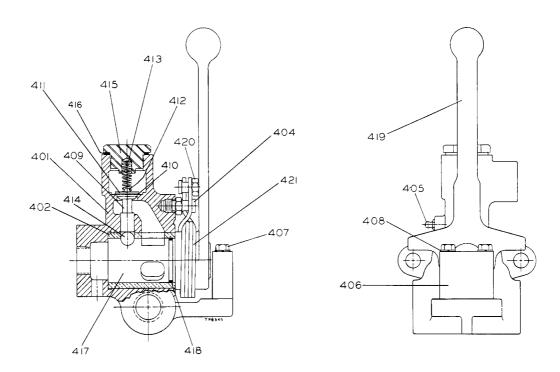
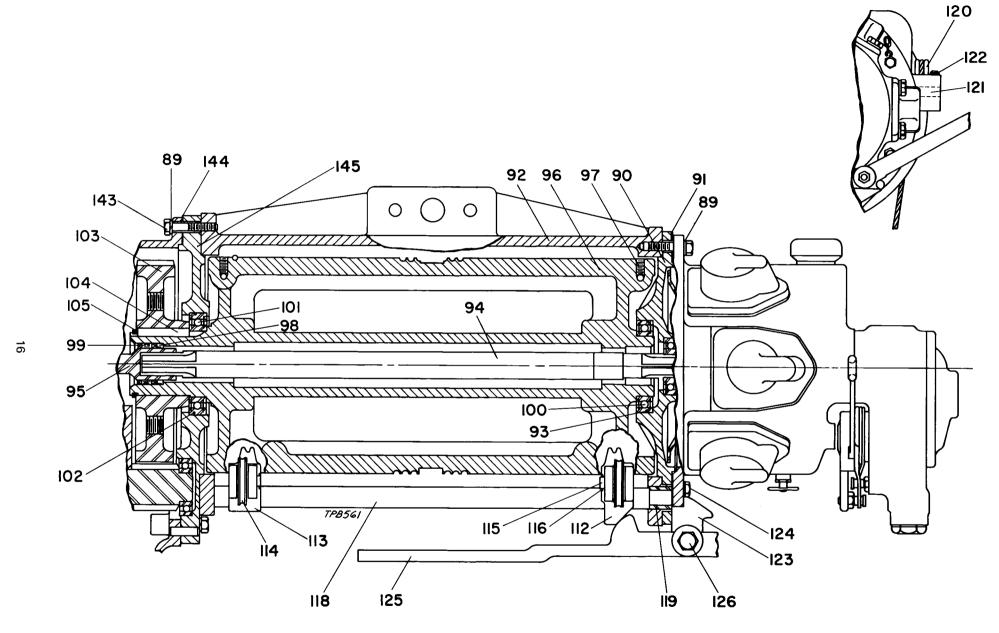
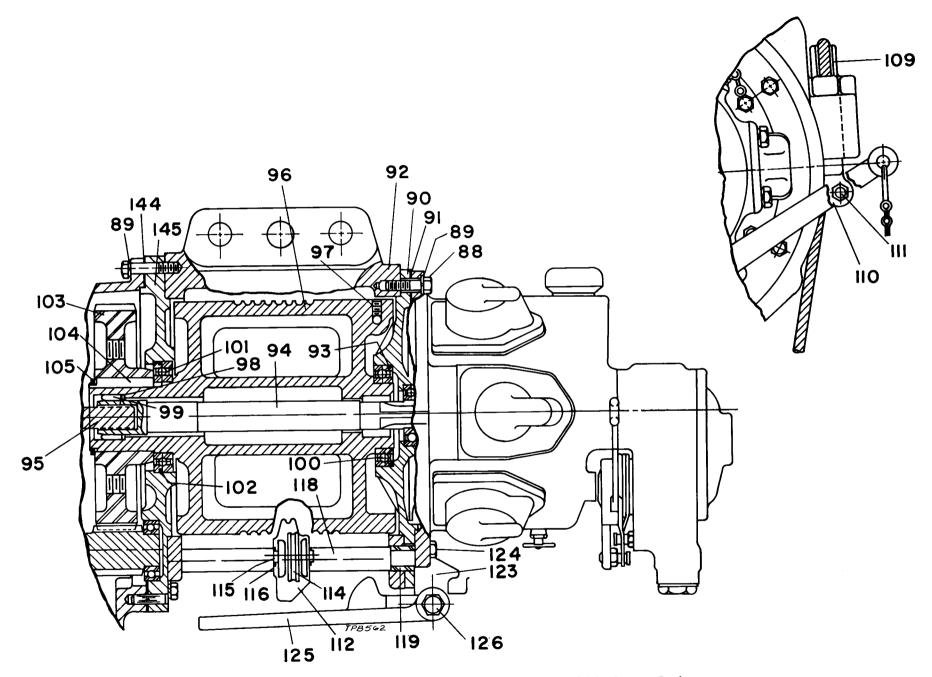


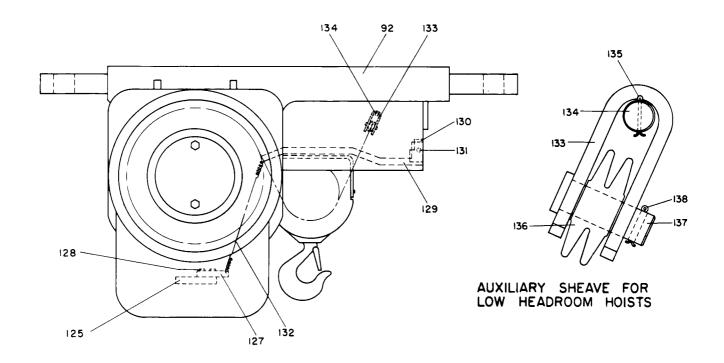
ILLUSTRATION NUMBER (Do not use for ordering)	PART NAME FOR ORDERING (Parts indented after an item are included with that item)	PART NUMBER FOR ORDERING
	Remote Control Station Assembly	C6H20A-A800
401	Remote Control Valve Body Assembly	C6H20A-B800
402	Reverse Valve Bushing	C6H20A-945
403	Reverse Valve Bushing Key	D02-538
404	Throttle Lever Spring Stop Pin	D02-553
405	Grease Fitting	R1-188
406	Reverse Valve Retainer	D02-687
407	Retainer Screw (2) (5/16"-18 thd. x 2 1/4" long)	G7-7A
408	5/16" Lock Washer (2)	T11-58
409	Remote Control Throttle Valve Assembly	C6H20A-A940
410	Remote Control Throttle Valve Face	C6H20A-259
411	Valve Face Cap	588-157
412	Face Cap Screw (No. 8-32 thd. x 3/8" long)	R10V-404
413	Throttle Valve Spring	B01-11
414	Throttle Valve Ball (1/2" dia. steel ball)	D10-280
415	Throttle Valve Cap	C6H20A-943
416	Valve Cap Gasket	D02-239
417	Remote Control Reverse Valve Assembly	C6H20A-A811
418	Reverse Valve Seal	C6H20A-948
419	Remote Control Throttle Lever Assembly	C6H20A-A815
420	Throttle Lever Spring Stop Pin	D02-553
421	Throttle Lever Spring	D02-412B



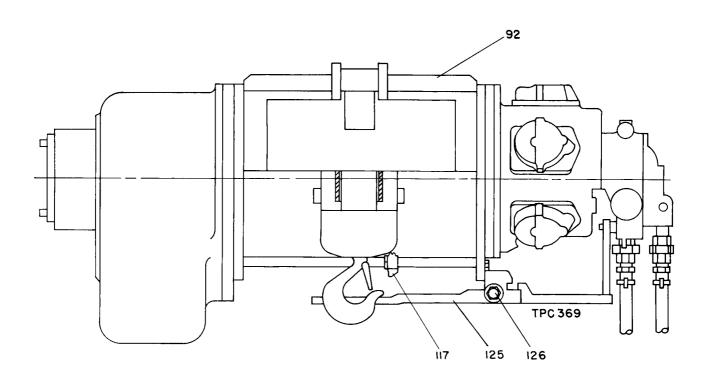
Standard Headroom Hoist with Pull-Chain Throttle (Construction typical of Size C620C20 and C620C32 Hoists).



Standard Headroom Hoist with Pull-Chain Throttle and Diaphragm Brake (Construction typical of Size C6CA15 and C620C40 Hoists).



Gear Case Side View of Low Headroom Hoist



Front End View of Low Headroom Hoist with Pendent Throttle or Remote Control

MAIN HOIST PARTS

ILLUSTRATION NUMBER (Do not use	PART NAME FOR ORDERING	PART NUMBER FOR
for ordering)	(Parts indented after an item are included with that item)	ORDERING
90	Motor Case Cover	C6H20A-502
• 91	Motor Case Cover Gasket	C6H20A-592
92	Hoist Housing	
	for Sizes C6CA15, 15SR and 25	C6CA-300
	for Sizes C620C20, 20SR, 40 and 40SR	C620C20-300
	for Sizes C620C32 and 32SR	C620C32-300
	for Sizes C620C60 and 60SR.	C620C60-300
	for Sizes C620C100 and 100SR	C620C100-300
	for Sizes C620C20LH, 20LR, 100LH and 100LR	C620C20-L300 C620C32-L300
• 93	Motor Case Cover Seal	C620C32-L300 C6H20A-104
94	Motor Shaft	C01120A-104
,	for Sizes C6CA15, 15SR and 25 with Diaphragm Brake only	C6CA-316
	for Sizes C6CA15, 15SR and 25 with Dual Brake	C6CA-716
	for Sizes C620C20, 20SR, 20LH, 20LR, 40, 40SR, 100, 100SR, 100LH	
	and 100LR with Diaphragm Brake only.	C620C20-316
	for Sizes C620C20, 20SR, 20LH, 20LR, 40, 40SR, 100, 100SR, 100LH	
	and 100LR with Dual Brake	C6H20A22-316
	for Sizes C620C32, 32SR, 32LH, 32LR, 60 and 60SR with Diaphragm	
	Brake only	C620C60-316
95	for Sizes C620C32, 32SR, 32LH, 32LR, 60 and 60SR with Dual Brake	C6H20A35-316
93	Motor Shaft Pinion for Hoists with Diaphragm Brake only	C6CA-319
	for Hoists with Dual Brake	C6H20A-319
96	Rope Drum Assembly	COMPONENT
	for Sizes C6CA15 and 15SR	C6CA15-A371
	for Size C6CA25	C6CA25-A324
	for Sizes C620C20, 20SR, 20LH and 20LR	C6H20B20-A371
	for Sizes C620C32, 32SR, 32LH and 32LR	C6H20B32-A371
	for Sizes C620C40 and 40SR	C6H20A40-A371
	for Sizes C620C60 and 60SR	C6H20A60-A371
07	for Sizes C620C100, 100SR, 100LH and 100LR	C6H20A100-A324
97	Rope Set Screw for Sizes C6CA15, 15SR, 25; C620C40, 40SR, 60 and 60SR (3); C620C20,	
	20SR, 20LH, 20LR, 32, 32SR, 32LH and 32LR (6)	C6H20A28-381
	for Sizes C620C100, 100SR, 100LH and 100LR (6)	C6H20A22-A381
• 98	Motor Shaft Seal	C6H20A-872
• 99	Motor Shaft Bearing (Torrington Roller Bearing No. JH-2212 or its equivalent)	C6H20A-589
100	Drum Bearing, Motor End (New Departure No. Z4993L12-X1241B or its equivalent)	C6H20A-467
101	Drum Bearing, Gear End (New Departure No. Z4993L14 or its equivalent)	C6H20A-466
102	Gear Case Cover Seal	C6H20A-103
103	Drum Gear	C6H20A-357
104	Drum Gear Key	C6H20A-323
105	Drum Gear Retainer	C6H20A-119
106	Drum Guard	000425200
	for Size C6CA25	C6CA25-298
107	Drum Guard Cap Screw (3/8"-16 thd. x 7/8") (4 for Size C6CA25; 3 for C620C100	C6H20A100-298
107	and 100SR)	D02-506

MAIN HOIST PARTS (Continued)

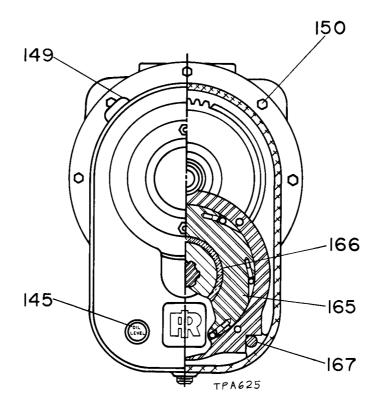
ILLUSTRATION NUMBER (Do not use for ordering)	PART NAME FOR ORDERING (Parts indented after an item are included with that item)	PART NUMBER FOR ORDERING
108	Wire Rope for Size C6CA15	C6CA15-372
	for Size C6CA15SR	C6CA15-372
	for Size C6CA25.	C6CA25-372
	for Size C620C20	C6H20B20-372
	for Size C620C20SR.	C6H20B20-R372
	for Size C620C20LH	C6H20B20-L372
	for Size C620C20LR	C6H20B20-LR372
	for Size C620C32	C6H20B32-372
	for Size C620C32SR	C6H20B32-R372
	for Size C620C32LH	C6H20B32-L372
	for Size C620C32LR	C6H20B32-LR372
	for Size C620C40	C6H20A40-372
	for Size C620C40SR	C6H20A40-R372 C6H20A60-372
	for Size C620C60SR.	C6H20A60-372 C6H20A60-R372
	for Size C620C100 and 100LH.	C6H20A100-372
,	for Size C620C100SR and 100LR.	C6H20A100-B72
*	Rope Clamp (for Sizes C6CA15, 15SR, 25; C620C40, 40SR, 60 and 60SR	D02-375
109	Rope Wedge	
	for Sizes C6CA15, 15SR, 25; C620C60 and 60SR	C6CA-373
	for Sizes C620C40 and 40SR	C620C-373
110	Wedge Block Rope Anchor (for Sizes C6CA15, 15SR, 25; C620C40, 40SR, 60 and	
	60SR)	C6H20A-374
111	3/8" Nut (for Sizes C6CA15, 15SR, 25; C620C40, 40SR, 60 and 60SR)	D02-418
112	Rope Guide, Motor End	CC1140D40 D400
	for Sizes C6CA15, 15SR; C620C20, 20SR, 32 and 32SR	C6H20B20-R790 C620C40-R790
113	Rope Guide, Gear End (for Sizes C620C20, 20SR, 32 and 32SR)	C620C40-R790 C6H20B20-R789
114	Rope Guide Roller	C01120D20-K709
114	for Sizes C6CA15, 15SR (1); C620C20, 20SR, 32 and 32SR (2)	C6H20A-792 -
	for Sizes C620C40, 40SR, 60 and 60SR	C640A-792
115	Guide Roller Pin	
	for Sizes C6CA15, 15SR (1); C620C20, 20SR, 32 and 32SR (2)	C6H20A-793
	for Sizes C620C40, 40SR, 60 and 60SR	C640A-793
116	Roller Pin Cotter (2 for Sizes C6CA15, 15SR; 4 for Sizes C620C20, 20SR, 32	
	and 32SR)	D02-524
*	Roller Pin Retainer (for Sizes C620C40, 40SR, 60 and 60SR) (2)	C640A-100
117	Stop Cam (for Sizes C620C20LH, 20LR, 32LH and 32LR)	C6H20B20-LR771
118	Guide Rod (2)	0.0.4.5.0.0.4
	for Sizes C6CA15 and 15SR	C6CA15-R791
	for Sizes C620C20, 20SR, 20LH, 20LR, 40 and 40SR for Sizes C620C32, 32SR, 32LH, 32LR, 60 and 60SR	C6H20A22-R791
119	Guide Rod Sleeve (used with grooved Rope Drums)	C6H20A35-R791 C6H20A-788
120	Equalizer Sheave (for Sizes C620C20, 20SR, 32, 32SR, 100 and 100SR)	C6H20B-638
121	Equalizer Sheave Shaft	0011202-000
- 	for Sizes C620C20, 20SR, 32, 32SR, 100 and 100SR	C6H20A-641
122	Equalizer Shaft Set Screw (for Sizes C620C20, 20SR, 32, 32SR, 100 and 100SR)	
	(5/16"-16 thd. x 3/4")	C6H20A-643
123	Stop Lever Bracket	C6H20A-905
124	Stop Lever Bracket Screw (2) ($\frac{3}{8}$ "-16 thd. x $\frac{1}{2}$ ")	23-717

^{*} Not illustrated.

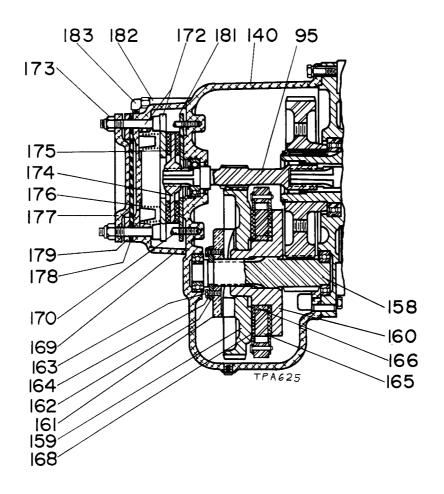
MAIN HOIST PARTS (Continued)

ILLUSTRATION NUMBER (Do not use for ordering)	PART NAME FOR ORDERING (Parts indented after an item are included with that item)	PART NUMBER FOR ORDERING
tor ordering/	(Farts indented after all item are included with that item)	ONDERING
125	Lower Safety Stop Lever	
	for Sizes C6CA15 and 25 with Pull Chain Throttle	
	Standard	C6CA-422
	Spark-Resistant	C6H20A22-R422
	for Sizes C6CA15 and 25 with Pendent Throttle or Remote Control Standard	C6CA-222
	Spark-Resistant	C6H20A22-R222
	for Sizes C620C20 and 100 with Pull Chain Throttle	
	Standard	C6H20A22-422
	Spark-Resistant	C6H20A22-R422
	for Sizes C620C20 and 100 with Pendent Throttle or Remote Control	CC1120 A 22 222
	Standard	C6H20A22-222 C6H20A22-R222
	for Sizes C620C32 and 40 with Pull Chain Throttle	C01120A22-R222
	Standard	C6H20A35-422
	Spark-Resistant	C6H20A35-R422
	for Sizes C620C32 and 40 with Pendent Throttle or Remote Control	
	Standard	C6H20A35-222
	Spark-Resistant	C6H20A35-R222
	Standard	C6H20A60-422
	Spark-Resistant	C6H20A60-R422
	for Size C620C60 with Pendent Throttle or Remote Control	
	Standard	C6H20A60-222
	Spark-Resistant	C6H20A60-R222
	for Sizes C620C20LH and 100LH with Pull Chain Throttle Standard	C620C20-L422
	Spark-Resistant	C620C20-LR422
	for Sizes C620C20LH and 100LH with Pendent Throttle or Remote Control	
	Standard	C620C20-L222
	Spark-Resistant	C620C20-LR222
	for Size C620C32LH with Pull Chain Throttle	C620C32-L422
	Standard	C620C32-L422 C620C32-LR422
	for Size C620C32LH with Pendent Throttle or Remote Control	C020C32-LR422
	Standard	C620C32-L222
	Spark-Resistant	C620C32-LR222
126	Stop Lever Bolt	710 4511
	Standard	D10-354A D02-1423
*	Spark-Resistant	D02-1423 D02-904
127	Stop Lever Plate (for Sizes C620C20LH, 32LH and 100LH)	D02 704
	Standard	C620C-L226
	Spark-Resistant	C620C-LR226
128	Stop Lever Plate Bolt (for Sizes C620C20LH, 20LR, 32LH, 32LR, 100LH and	D0 040
*	100LR) (2)	B8-240
"	Upper Stop Lever and Lower Stop Lever Plate)	5BM-278
129	Upper Stop Lever (for Sizes C620C20LH, 32LH and 100LH)	3BM 270
	Standard	C620C20-622
	Spark-Resistant	C620C20-R622
130	Stop Lever Mounting Block (for Sizes C620C20LH, 20LR, 32LH, 32LR, 100LH and	GC20G20 T 150
*	100LR)	C620C20-L159 B8-240
*	Mounting Block Bolt (2)	T11-58
131	5/ ₁₆ " Lock Washer (2)	D02-906
*	Lever Bolt Nut	WF171-13
132	Lever Chain	
	Standard	C620C-L773
100	Spark-Resistant	C620C-LR773 C620C-639
133 134	Auxiliary Sheave Yoke	C620C-639 C620C-608
135	Yoke Pin Cotter (2).	C6H2OA-146
136	Auxiliary Sheave	C6H20B-638
137	Auxiliary Sheave Shaft	C620C-641
138	Auxiliary Shaft Cotter	C6H20A-146

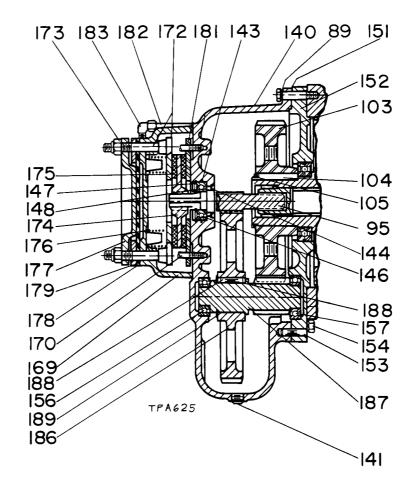
^{*} Not illustrated.



End View of Gear Case and Brake



Gear Case End of Hoist Equipped with Dual Brake



Gear Case End of Hoist Equipped with Diaphragm Brake

GEAR CASE AND BRAKE PARTS

ILLUSTRATION NUMBER (Do not use for ordering)	PART NAME FOR ORDERING (Parts indented after an item are included with that item)	PART NUMBER FOR ORDERING
140	Gear Case Assembly	
•	for Hoists with Diaphragm Brake only.	C6CA-A353
	for Hoists with Dual Brake	C6H20A-A353
141	1/4" Pipe Plug	R0H-377
*	1/2" Pipe Plug (for C6H20A-A353 Gear Case Assembly)	C6H20A-79
• 143	Pinion Outer Bearing Seal	R18-311
144	Pinion Outer Seal	C6H20A-271
145	Oil Level Gauge	C6H20A-16
146	Pinion Outer Bearing (AFBMA No. 25BC02JDD)	AM-318
147	Pinion Outer Bearing Retainer	C6H20A-48
148	Pinion Retainer	C6H20A-6
149	Gear Case Vent Cap	C6H20A-19
150	Gear Case Screw (7) (3/8"-16 thd. x 2")	D02-906
151	Gear Case Gasket	C6H20A-931
152	Gear Case Cover Assembly	C6H20A-A352
153	Gear Case Cover Dowel	HU-527
154	Gear Case Cover Screw (2) (3/8"-16 thd. x 13/8")	D02-312
*	Cover Retaining Screw (2)	21-702
156	Intermediate Shaft Outer Bearing (AFBMA No. 25BC02)	G7-24
<u>15</u> 7	Intermediate Shaft Inner Bearing (AFBMA No. 30BC02)	TA-22
y 158	Load Brake Intermediate Shaft	C6H20A-83
Mechanical Brake 160 161 162 163 164 165 166 167 167 167 167 167 167 167 167 167	Load Brake Gear	C6H20A-82
160	Load Brake Flange	C6H20A-84
<u>\$</u> 161	Load Brake Cam	C6H20A-88
162	Cam Retainer (2)	C6H20A-89
163	Cam Retainer Screw (4) (1/4"-20 thd. x 3/4")	R3-7
. <u>ÿ</u> 164	1/4" Lock Washer (4)	L01-67
165	Brake Ratchet Assembly	C6H20A-A86
5 166	Brake Ratchet Bushing	C6H20A-87
	Brake Ratchet Stop	C6H20A-81
168	Friction Disc (2)	C6H20A-85
169	Brake Housing	C6H20A-346
170 *	Brake Housing Cap Screw (4) (5/16"-18 thd. x 33/4")	C6H20A-344
	5/16" Lock Washer (8)	T11-58
172	Brake Plate	C6H20A-389
173	Brake Adjusting Nut (2) (1/2"-20 thd., self-locking)	FM-544
• 174	Brake Disc Assembly	C6H20A-A388
175	Brake Facing Assembly (2)	C6H20A-A385

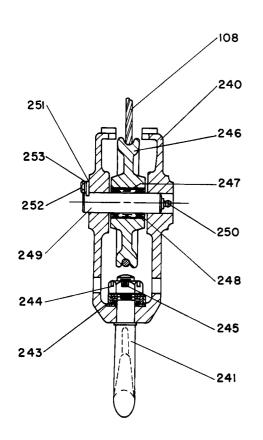
^{*} Not illustrated.

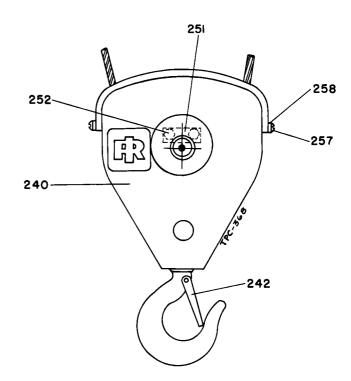
GEAR CASE AND BRAKE PARTS (Continued)

ILLUSTRATION NUMBER (Do not use for ordering)	PART NAME FOR ORDERING (Parts indented after an item are included with that item)	PART NUMBER FOR ORDERING
• 176	Brake Spring (4)	
U 170	for Hoists with Diaphragm Brake only	C6H20A-393
	for Hoists with Dual Brake	5H0-37
177	Brake Plunger	C6H20A-391
• 178	Brake Diaphragm	C6H20A-390
179	Brake Diaphragm Ring	C6H20A-395
*	Brake Diaphragm Screw (4) (5/16"-18 thd. x 1")	B8-240
181	Brake Thrust Ring	C6H20A-397
182	Brake Pipe	
	for Sizes C6CA15, 15SR and 25 with Pull Chain Throttle (36" - 914	
	mm long)	C6CA-401
	for Sizes C6CA15, 15SR and 25 with Pendent Throttle or Remote	
	Control (33" - 838 mm long)	C6CA-201
	for Sizes C620C20, 20SR, 40, 40SR, 100 and 100SR with Pull Chain	
	Throttle (46" - 1168 mm long)	C6H20A22-401
	for Sizes C620C20, 20SR, 40, 40SR, 100 and 100SR with Pendent Throttle	
	or Remote Control (43" - 1092 mm long)	C6H20A22-201
	for Sizes C620C32, 32SR, 60 and 60SR with Pull Chain Throttle	
	(54" - 1372 mm long)	C6H20A35-401
	for Sizes C620C32, 32SR, 60 and 60SR with Pendent Throttle or	
	Remote Control (51" - 1295 mm long)	C6H20A35-201
	for Sizes C620C20LH, 20LR, 100LH and 100LR with Pull Chain	
	Throttle (60" - 1524 mm long)	C620C20-L401
	for Sizes C620C20LH, 20LR, 100LH and 100LR with Pendent Throttle	
	or Remote Control (60" - 1524 mm long)	C620C20-L201
	for Sizes C620C32LH and 32LR with Pull Chain Throttle	
	(60" - 1524 mm long)	C620C32-L401
	for Sizes C620C32LH and 32LR with Pendent Throttle or Remote	0.00000
	Control (60" - 1524 mm long)	C620C32-L201
183	Brake Pipe Ell (2)	D02-400
*	Brake Pipe Strap (for Standard Headroom Hoists)	C6H20A-727
*	Brake Pipe Strap Screw (3/8"-16 thd. x 1/2")	DLC-752
★ 186	Intermediate Gear	C6H20A-364
★ 187	Intermediate Gear Shaft	C6CA-358
★ 188	Intermediate Gear Key	T11SH-386 K6U-362
* 189	Intermediate Gear Retaining Ring	NOU-302

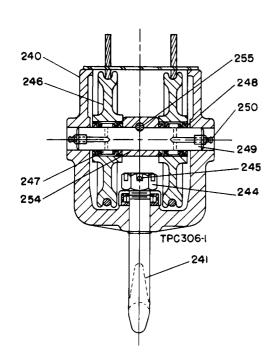
^{*} Not illustrated.

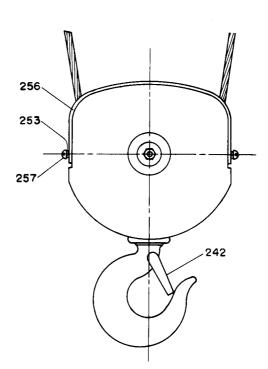
[★] Parts marked with a star (*) are not used on Hoists with Dual Brake.





Single Sheave Block and Hook Assembly





Double Sheave Block and Hook Assembly

SHEAVE BLOCK AND BOTTOM HOOK ASSEMBLY PARTS

ILLUSTRATION NUMBER	PART NAME FOR ORDERING	PART NUMBER FOR
(Do not use for ordering)	(Parts indented after an item are included with that item)	ORDERING
	Sheave Block and Hook Assembly	
	with Safety Hook for Single Sheave Type	
	Standard	C6H20A28-AS378
	Spark-Resistant	C6H20A28-ASR378
	Bullard-Burnham Safety Hook	C6H20A28-ABB378
	Standard	C6H20A22-AS378
	Spark-Resistant	C6H20A22-ASR378 C6H20A22-ABB378
240	Sheave Block	
	for Single Sheave Type	GC***** 0.0 0.70
	Standard	C6H20A28-378
	Spark-Resistant	C6H20A28-R378
	for Double Sheave Type	C6H20A22-378
	Standard	C6H20A22-378
	Spark-Resistant	C01120A22-R376
241	Safety Hook Assembly Standard	C6H20A-AS377
	Spark-Resistant	C6H20A-ASR377
	Bullard-Burnham Safety Hook	C6H2OA-ABB377
• 242	Hook Latch Kit (individual parts not sold separately)	001120111122011
■ 242	Standard	D01-S123
	Spark-Resistant	D02-S4055
243	Hook Bearing	
2.0	Standard	D01-379A
	Spark-Resistant	D02-379A
244	Slotted Nut	
	Standard	C620C40-305
	Spark-Resistant	D02-350A
245	Roll Pin	2000014 220
	Standard	20QDM-330 D02-1376
	Spark-Resistant	D02-1376
246	Sheave Assembly	C6CA25-A380
	for Size C6CA25	COCA25-A300
	for Sizes C6CA15, C620C40 and 60 Standard	C6H20A28-A380
	Spark-Resistant	C6H20A28-AR380
	for other Sizes	
	Standard	С6Н20В20-А380
	Spark-Resistant	C6H20B20-AR380
247	Sheave Bearing	
2	for Single Sheave Type (Torrington No. HF-182616 or its equivalent)	C6H20A28-753
	for Double Sheave Type (Torrington No. JH-1412 or its equivalent)	C6H20A22-753
248	Sheave Bearing Seal	
	for Single Sheave Type (2)	C6H20A28-754
	for Double Sheave Type (4)	C6H20A22-754
249	Sheave Shaft Assembly	
	for Single Sheave Type	GCH20+20+202
	Standard	C6H20A28-A382
	Spark-Resistant	C6H20A28-R382
	for Double Sheave Type	C6H20A22-A382 23-188
250	Grease Fitting (1 for Single Sheave Type; 2 for Double Sheave Type)	23-100

SHEAVE BLOCK AND BOTTOM HOOK ASSEMBLY PARTS (Continued)

ILLUSTRATION NUMBER (Do not use for ordering)	PART NAME FOR ORDERING (Parts indented after an item are included with that item)	PART NUMBER FOR ORDERING
- Tor ordering/	(rais indented arter an Item are included with that Item)	ONDERING
251	Sheave Shaft Lock (for Single Sheave Type)	
	Standard	MR20-383 C6H20A28-R383
252	Spark-Resistant	C6H2UA28-R383
252	Standard	JC3350-103 C6H20A-R937
253	1/4" Lock Washer (2)	L01-67
254	Sheave Shaft Anchor (for Double Sheave Type)	C6H20A-448
255	Sheave Shaft Anchor Bolt (for Double Sheave Type)	DRC-643
*	Sheave Shaft Anchor Bolt Nut (for Double Sheave Type)	D02-418
*	3/8" Lock Washer (for Double Sheave Type)	D02-321
256	Sheave Block Cover	
	for Single Sheave Type	
	Standard	C6H20A28-441
	Spark-Resistant	C6H20A28-R441
	for Double Sheave Type	
	Standard	C6H20A-441
	Spark-Resistant	C6H20A-R441
257	Sheave Block Cover Screw (4 for Single Sheave Type; 2 for Double Sheave Type)	
	Standard	J-376
	Spark-Resistant	C6H20A-R937
258	Cover Screw Washer	
	Standard	L01-67
	Spark-Resistant	P225-67

^{*} Not illustrated.

SAFETY TOP HOOK AND YOKE ASSEMBLY

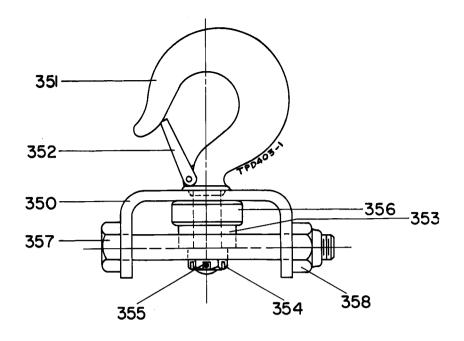
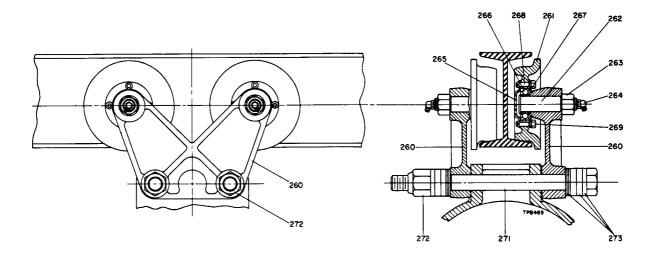
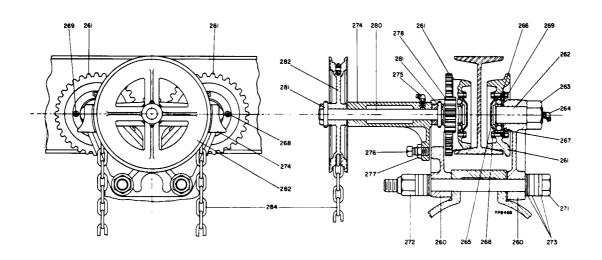


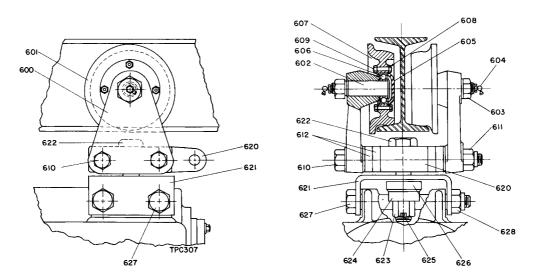
ILLUSTRATION NUMBER (Do not use	PART NAME FOR ORDERING (Parts indented after an item are included with that item)	PART NUMBER FOR ORDERING
for ordering)	(Faits indented after an item are moraded with that item)	
	Safety Top Hook and Yoke Assembly (1 for C6CA15, 25; C620C20 and 32: 2 for C620C60)	
	Standard	C6CA-AS590
	Spark-Resistant	C6CA-ASR590
350	Top Hook Yoke	
330	Standard	C6CA-590
	Spark-Resistant	C6CA-R590
• 351	Safety Top Hook Assembly	
4 331	Standard	C6H20A-AS377
	Spark-Resistant	C6H20A-ASR377
• 352	Hook Latch Kit (parts not sold separately)	
→ 332	Standard	D01-S123
	Spark-Resistant	D02-S4055
353	Hook Bearing	
555	Standard	D01-379A
	Spark-Resistant	D02-379A
354	Slotted Nut	
334	Standard	C620C40-305
	Spark-Resistant	D02-305A
355	Roll Pin	·
333	Standard	20ODM-330
	Spark-Resistant	D02-1376
356	Top Hook Spacer	
330	Standard	С6Н20А-591
	Spark-Resistant	C6H20A-R591
357	Yoke Bolt (2 for C6CA15, 15SR, 25; C620C20, 20SR, 32, 32SR; 4 for C620C60	
331	and 60SR)	D02-339
358	Yoke Bolt Nut	D02-440B



Plain Trolley



Hand Chain Driven Trolley



Auxiliary Trolley with Swivel Mounting (used on Size C620C60 Hoist)

TROLLEY ASSEMBLIES FOR STANDARD HEADROOM HOISTS

PART NAME FOR ORDERING	PART NUMBER FOR ORDERING
Plain Trolley Assembly	
To operate on 5" (127 mm) or 6" (152 mm) I-Beam, 3.00" (76 mm) or 3.33" (85 mm) flange width	
for Size C620C60	C620C60-A700-5
for Size C620C60SR.	C602C60-AR700-5
for all other Standard Sizes	C6CA-A430-5
for all other Spark-Resistant Sizes	C6CA-AR430-5
To operate on 6" (152 mm) to 18" (457 mm) I-Beam, 3.33" (85 mm) to 6.00" (152 mm) flange width	
for Size C620C60	C620C60-A700
for Size C620C60SR	C620C60-AR700
for all other Standard Sizes	C6CA-A430
for all other Spark-Resistant Sizes	C6CA-AR430
To operate on Flat Tread Monorail, 3.25" (83 mm) to 4.50" (114 mm) flange width	
for Size C620C60	C620C60-AT700
for Size C620C60SR	C620C60-ATR700
for all other Standard Sizes	C6CA-AT430
for all other Spark-Resistant Sizes	C6CA-ATR430
Hand Chain Trolley Assembly	ĺ
To operate on 8" (203 mm) to 18" (457 mm) I-Beam, 4.00" (102 mm) to 6.00" (152 mm) flange width	
Standard	C6CA-A471
Spark-Resistant	C6CA-AR471
To operate on Flat Tread Monorail, 3.25" (83 mm) to 4.50" (114 mm) flange width	
Standard	C6CA-AT471
Spark-Resistant	C6CA-ATR471

When ordering a Trolley Assembly or Auxiliary Trolley Assembly, always specify the flange width of the I-Beam or Monorail on which the Trolley is to operate.

TROLLEY PARTS FOR STANDARD HEADROOM HOISTS

		PART NUMBER FOR ORDERING		
ILLUS.	PART NAME FOR ORDERING	For I-	Beam	
NUMBER (Do not use for ordering)	(Parts indented after an item are included with that item)	3.00" or 3.33" Flange Width	3.33" to 6.00" Flange Width	For Flat-Tread Monorail
	Assembled Trolley Bracket			
	with Plain Wheels for Size C620C60 (2 for Plain Trolley; 1 for Hand Chain Trolley) Standard Spark-Resistant for other Sizes (2 for Plain Trolley; 1 for Hand Chain Trolley)	C620C60-B700-5 C620C60-BR700-5	C620C60-B700 C620C60-BR700	C620C60-BT700 C620C60-BRT700
	Standard	D02-B430B-5	D02-B430B	D02-BT430B
	Spark-Resistant	D02-BR430B-5	D02-BR430B	D02-BT430B
	Standard		D02-G430B	D02-GT430B
	Spark-Resistant		D02-GR430B	D02-GRT430B
260	Trolley Bracket (1 for each Assembled Bracket)			
	for C620C60 and 60SR	C620C60-700	C620C60-700	C620C60-700
261	for other Sizes	D02-430B	D02-430B	D02-430B
261	Trolley Wheel (1 for each Assembled Bracket for			
	C620C60; 2 for others) Plain Wheel			
	Standard	D02 221	D02 421 4	D02 T421
	Spark-Resistant	D02-231 D02-1231	D02-431A	D02-T431
	Geared Wheel	D02-1231	D02-1431	D02-T1431
	Standard		D02-472A	D02-T472
	Spark-Resistant		D02-1472 D02-1472	D02-1472 D02-R1472
262	Trolley Wheel Shaft (1 for each Wheel)		D02-1472	D02-K14/2
	for Plain Wheel	D02-435A	D02-435A	D02-435A
	for Geared Wheel		D02-474A	D02-474A
263	Shaft Nut (1 for each Shaft)	DU-562	DU-562	DU-562
*	3/4" Lock Washer (1 for each Shaft)	D01-692	D01-692	D01-692
264	Angle Grease Fittings (1 for each Shaft)	23-189	23-189	23-189
265	Bearing Cap (1 for each Wheel)	D02-954	D02-954	D02-954
266	Trolley Wheel Bearing (1 for each Wheel)			
	(AFBMA No. 35BC02JP)	58-96	58-96	58-96
267	Bearing Plate (1 for each Wheel)	D02-955	D02-955	D02-955
268	Cap Screw (4 for each Wheel)	D02-957	D02-957	D02-957
269	Elastic Stop Nut (4 for each Wheel)	501-639	501-639	501-639
271 272	Trolley Bracket Bolt (2 for each Assembled Trolley) Trolley Bracket Bolt Nut (1 for each Bolt)	D02-439A-10	C6H40A-439-11	C6H40A-439-11
272	Trolley Bracket Spacer (See installation instructions	D02-440B	D02-440B	D02-440B
213	on page 4).			ł
	1/6" (4.23 mm) thick	D02-442A-1/6	D02-442A-1/6	D02-442A-1/6
	1/4" (6.35 mm) thick	D02-442A-1/4	D02-442A-1/4	D02-442A-1/4
	3/8" (9.52 mm) thick	D02-442A-3/8	D02-442A-3/8	D02-442A-3/8
	1/2" (12.7 mm) thick	D02-442A-1/2	D02-442A-1/2	D02-442A-1/2
274	Sprocket Bracket	D02-471	D02-471	D02-471
275	Angle Grease Fitting (2)	23-189	23-189	23-189
276	Bracket Set Screw	D02-480A	D02-480A	D02-480A
277	Set Screw Nut	G7-18	G7-18	G7-18
278 *	Drive Pinion	D02-473	D02-473	D02-473
	Drive Pinion Spacer	D02 475	D02.475	D02-442A-1/6
280 281	Chain Sprocket Shaft	D02-475	D02-475	D02-475
281	Chain Sprocket	D02-520 D02-470	D02-520 D02-470	D02-520 D02-470
284	Hand Chain (length as specified)	DU2-470	DU2-470	D02-470
204	Standard	D02-B476	D02-B476	D02-B476
	Spark-Resistant	D02-B470 D02-L1476	D02-B476 D02-L1476	D02-B476 D02-L1476

^{*} Not illustrated.

AUXILIARY TROLLEY PARTS FOR SIZES C620C60 AND C620C60SR HOISTS

ILLUSTRATION NUMBER (Do not use for ordering)	PART NAME FOR ORDERING (Parts indented after an item are included with that item)	PART NUMBER FOR ORDERING
- Tor Ordering/	() dita illadited dital dil telli dia liladada tital alla illadi.	
600 601	Assembled Trolley Bracket (2 for each Auxiliary Trolley Assembly) Standard	C620C60-B600 C620C60-BR600 C620C60-600
601	for use on 8" (203 mm) to 18" (457 mm) I-Beam, 4.00" (102 mm) to 6.00" (152 mm) flange width Standard	D02-431A D02-1431
	Standard	D02-T431 D02-T1431
602	Trolley Wheel Shaft	D02-435A
603	Shaft Nut	DU-562 D01-692
604	Angle Grease Fitting	23-189
605	Bearing Cap	D02-954
606	Trolley Wheel Bearing (AFBMA No. 35BC02JP)	58-96
607	Bearing Plate	D02-955
608	Cap Bolt (4 for each Wheel)	D02-957
609	Elastic Stop Nut (1/4"-28 thd.) (4 for each Wheel)	501-639
610	Trolley Bracket Bolt (2)	C6H40A-439-11
611	Trolley Bracket Bolt Nut (2)	D02-440B
612	Trolley Bracket Spacer (See Installation Instructions on Page 00) 1/6" (4.23 mm). 1/4" (6.35 mm). 1/2" (12.7 mm).	D02-442A-½ D02-442A-½ D02-442A-½

^{*} Not illustrated.

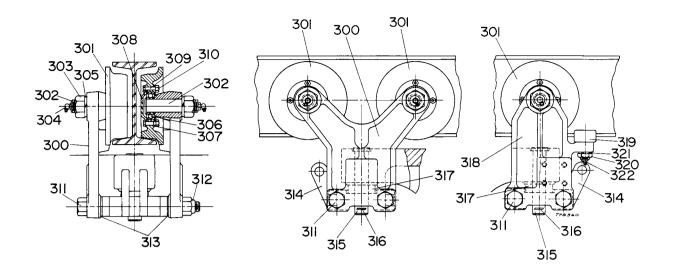
SWIVEL TROLLEY PARTS FOR C620C60 STANDARD HEADROOM HOISTS

Illustrated on Page 30.

ILLUSTRATION NUMBER (Do not use for ordering)	PART NAME FOR ORDERING (Parts indented after an item are included with that item)	PART NUMBER FOR ORDERING
Δ	Swivel Trolley Kit	С6Н40А57-К425
620	Mounting Block (2)	C6H40A57-425
621	Yoke (2)	D6H60A-590
622	Swivel Block Bolt (2)	C6H40A57-823
623	Swivel Block Bolt Nut (2)	C6H40A57-824
624	Swivel Bolt Spacer (2)	C6H40A57-825
625	Roll Pin (2)	599-115
626	Thrust Bearing (2)	D02-379A
627	Yoke Bolt (4)	D02-339
628	Yoke Bolt Nut (4)	D02-440B

 $[\]triangle$ The Swivel Trolley Kit contains the correct quantity of parts for swivel mounting two Trolley Assemblies.

SWIVEL TROLLEY ASSEMBLIES FOR LOW HEADROOM HOISTS



End View of Swivel Trolley

Plain Swivel Trolley For Low Headroom Hoists

Auxiliary Swivel Trolley For Low Headroom Hoists

PART NAME FOR ORDERING	PART NUMBER FOR ORDERING
Plain Swivel Trolley Assembly	
To operate on 7" (178 mm) to 12" (305 mm), 3.66" (93 mm) to 6" (152 mm) flange width Standard	C6H20A-AL430 C6H20A-ARL430 C6H20A-AL430T C6H20A-ARL430T
Hand Chain Trolley Assembly	
To operate on 7" (178 mm) to 12" (305 mm) I-Beam, 3.66" (93 mm) to 6" (152 mm) flange width Standard	C6H20A-AL471 C6H20A-ARL471 C6H20A-AL471T C6H20A-ARL471T
Auxiliary Swivel Trolley Assembly	
To operate on 7" (178 mm) to 12" (305 mm) I-Beam, 3.66" (93 mm) to 6" (152 mm) flange width Standard Spark-Resistant To operate on Flat-Tread Monorail, 3.25" (83 mm) to 4.50" (114 mm) flange width Standard Spark-Resistant	C6H20A-AL690 C6H20A-ARL690 C6H20A-AL690T C6H20A-ARL690T

When ordering a Trolley Assembly or Auxiliary Trolley Assembly, always specify the flange width of the I-Beam or Monorail on which the Trolley is to operate.

SWIVEL TROLLEY PARTS FOR LOW HEADROOM HOISTS

ILLUS.	PART NAME FOR ORDERING	PART NUMBER FOR ORDERING	
NUMBER (Do not use or ordering)	(Parts indented after an item are included with that item)	I-Beam	Flat-Tread Monorail
	Assembled Swivel Trolley Bracket	i	
	with Plain Wheels		
	Standard	C6H20A-BL430	C6H20A-BL430T
	Spark-Resistant	C6H20A-BRL430	C6H20A-BRL430T
	with Geared Wheels		
	Standard	C6H20A-GL430	C6H20A-GL430T
	Spark-Resistant	C6H20A-GRL430	C6H20A-GRL430T
300	Swivel Trolley Bracket	C6H20A-L430	C6H20A-L430
301	Trolley Wheel		
	Plain Wheel	D02 421 4	D02 T421
	Standard	D02-431A	D02-T431
	Spark-Resistant	D02-1431	D02-T1431
	Geared Wheel Standard	D02-472A	D02 T472
	Spark-Resistant	D02-472A D02-1472	D02-T472 D02-T1472
302	Trolley Wheel Shaft (1 for each Wheel)	D02-1472	D02-11472
302	Plain Side	D02-435A	D02-435A
	Geared Side.	D02-474A	D02-474A
303	Trolley Wheel Shaft Nut (1 for each Shaft)	DU-562	DU-562
304	Angle Grease Fitting (1 for each Shaft)	23-189	23-189
305	3/4" Lock Washer (1 for each Shaft)	D01-692	D01-692
306	Trolley Wheel Bearing (AFBMA No. 25BC02JP) (1 for each Wheel)	58-96	58-96
307	Bearing Plate (1 for each Wheel)	D02-955	D02-955
308	Bearing Cap (1 for each Wheel)	D02-954	D02-954
309	1/4" Cap Screw (4 for each Wheel)	D02-957	D02-957
310	1/4" Elastic Stop Nut (4 for each Wheel)	501-639	501-639
311	Trolley Bracket Bolt (2 for each Assembled Trolley)		
	8½" long (for 7" - 178 mm I-Beam, 3.66" - 93 mm		1
	flange width)	C6H20A-L439-81/2	
	9" long (for 8" - 203 mm I-Beam, 4.00" - 102 mm flange width;		
	for Flat-Tread Monorail, 3.25" - 83 mm to 3.33" - 85 mm		
	flange width)	D01-694-9	D01-69 <u>4-</u> 9
	9½" long (for 10" - 254 mm or 12" - 305 mm I-Beam, 4.66"		
	to 5.00" 118 to 127 mm) flange width; for Flat-Tread Mono-	704 604 01/	D01-694-91/2
	rail, 4.06" - 103 mm flange width	D01-694-9 ¹ / ₂	D01-694-94/2
	10½" - 267 mm long (for 15" - 381 mm to 18" - 457 mm		
	I-Beam, 5.50" - 140 mm to 6.00" - 152 mm flange width;	C6H20A-L439-10 ¹ / ₂	C6H20A-L439-101
312	for Flat-Tread Monorail, 4.50" - 114 mm flange width Trolley Bracket Bolt Nut (1 for each Trolley Bracket Bolt)	D01-341A	D01-341A
312	Trolley Bracket Spacer (see installation instructions on page 4).	D01-341A	D01-341A
313	1/6" (4.23 mm) thick	C6H20A-L442-1/6	C6H20A-L442-1/6
	1/4" (6.35 mm) thick	C6H20A-L442-1/4	C6H2OA-L442-1/4
	3/8" (9.52 mm) thick		C6H20A-L442-3/8
	1/2" (23.7 mm) thick	C6H20A-L442-1/2	
314	Trolley Mounting Swivel Block	C6H20A-L425	C6H20A-L425
315	Swivel Block Pin.	C6H20A-L823	C6H20A-L823
316	Swivel Block Pin Cotter	C6H20A-438	C6H20A-438
317	Swivel Thrust Bearing	D02-1379	D02-1379
★ 274	Sprocket Bracket	D02-471	D02-471
★ 275	Angle Grease Fitting (2)	23-189	23-189
★ 276	Bracket Set Screw	D02-480A	D02-480A
★ 277	Set Screw Nut	G7-18	G7-18
★ 278	Drive Pinion	D02-473	D02-473
*	Drive Pinion Spacer		D02-442-1/6
★ 280	Chain Sprocket Shaft	D02-475	D02-475
★ 281	Taper Pin (2)	D02-520	D02-520
★ 282	Chain Sprocket	D02-470	D02-470
★ 284	Hand Chain (length as specified)	D02 D456	D02 F126
	Standard	D02-B476	D02-B476
	Spark-Resistant	D02-L1476	D02-L1476

^{*} Not illustrated.

[★] Hand Chain Trolley Parts (refer to illustration on page 30).

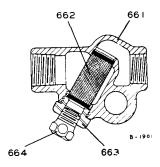
AUXILIARY TROLLEY PARTS FOR LOW HEADROOM HOISTS

ILLUSTRATION NUMBER (Do not use for ordering)	PART NAME FOR ORDERING (Parts indented after an item are included with that item)	PART NUMBER FOR ORDERING	
		for I-Beam	for Flat-Tread Monorail
	Assembled Auxiliary Swivel Trolley Bracket		
318	Gear Case Side Bracket Standard Spark-Resistant Motor Side Bracket Standard Spark-Resistant Auxiliary Swivel Trolley Bracket Gear Case Side Motor Side	C6H20A-BL689 C6H20A-BRL689 C6H20A-BL690 C6H20A-BRL690 C6H20A-L689 C6H20A-L690	C6H20A-BL689T C6H20A-BRL689T C6H20A-BRL690T C6H20A-BRL690T C6H20A-L689 C6H20A-L690
319	Trolley Guide Roller	C6H20A-688	C6H20A-688
320	Guide Roller Nut	D01-305	D01-305
321	Guide Roller Lock Washer	A-67	A-67
322	Guide Roller Grease Fitting	C6H20A-327	C6H20A-327
	Each Assembled Auxiliary Swivel Trolley Bracket also includes the following illustrated parts: 301, 302, 303, 304, 305, 306, 307, 308, 309 (4), 310 (4). Each Auxiliary Swivel Trolley Assembly also includes illustrated parts: 311 (2), 312 (2), 313, 314, 315, 316 and 317.		

TRACTOR DRAWBAR PARTS (Not illustrated)

PART NAME FOR ORDERING	PART NUMBER FOR ORDERING
For C620C20, 20SR, 40 and 40SR Hoists Mounted Parallel with Beam	
Drawbar Yoke	C6H20A-607 BU-629 D02-341A C6H20A-793 D02-524
Mounted Parallel with Beam	
Drawbar Yoke Yoke Hinge Pin Hinge Pin Set Screw Hinge Pin Cotter (2) Drawbar Bracket Bracket Hinge Pin Drawbar Pin Drawbar Pin Cotter (2)	C6H20A-607 C6H20A-608 D10-449 D02-330 D6H60A-611 C6H40A-612 C6H20A-793 D02-524
For C6CA15, 15SR, 25; C620C20, 20SR, 32 and 32SR with 90° Angle Attachment, and C6CA15, 15SR and 25 when Mounted Parallel with Beam	
Drawbar Yoke Yoke Hinge Pin Hinge Pin Set Screw Hinge Pin Cotter (2) Drawbar Bracket Bracket Hinge Pin Drawbar Pin Drawbar Pin Cotter (2)	C6H20A-607 C6H20A-608 D10-449 D02-330 C6CA-611 C6CA-612 C6H20A-793 D02-524
For C620C60 and 60SR with Swivel Trolleys	
Drawbar Yoke	C6H20A-607 C6H20A-608 D02-330 C6H20A-793 D02-524

ACCESSORIES



Air Strainer Assembly

ILLUSTRATION NUMBER (Do not use for ordering)	PART NAME FOR ORDERING (Parts indented after an item are included with that item)	PART NUMBER FOR ORDERING
661	Air Strainer Assembly	EU-A267
662	Air Strainer Screen	P25-61A
663	Air Strainer Cap	P25-268
664	Air Strainer Plug	P25-536
*	Air Strainer Nipple (3/4" x 2") (required for attaching Air Strainer Assembly to Hoist)	D02-456
*	90° Angle Attachment (for use with Sizes C6CA15, 15SR; C620C20, 20SR, 32 and 32SR).	C640A19-444
*	Angle Attachment Bolt (2)	D01C-694-8 ¹ / ₂
*	Angle Attachment Bolt Nut (2)	D02-440B
*	Exhaust Muffler Assembly	D02-674A
*	Muffler Nipple (1" close nipple)	P35-286
*	Muffler Chain	D02-673
*	S-Hook (2)	D02-421

^{*} Not illustrated.

MAINTENANCE TOOLS

TOOL NUMBER FOR ORDERING	TOOL NAME FOR ORDERING	OPERATION
P25-228	Grease Gun	Lubrication.
4U-478	Rope Set Screw Wrench (Hex Key 5/32" across flats) (for Sizes C620C100, 100SR, 100LH and 100LR)	Loosening and tightening the Rope Set Screws in the Rope Drum (96).
JA4-478	Rope Set Screw Wrench (Hex Key 3/16" across flats) (for Sizes C6CA15, 15SR, 25; C620C20, 20SR, 20LH, 20LR, 32, 32SR, 32LH, 32LR, 40, 40SR, 60 and 60SR).	
D02-932	Valve Chest Jack Bolt (2 required)	Loosening and tightening the Rope Set Screws in the Rope Drum (96). Removing the Valve Chest (27) from the Motor Case (1).
D02-933	Piston Ring Compressor	Compressing the Piston Rings (24 and 25) when installing a
D02-733	I iston King Compressor	Cylinder (19).
23470	Throttle Valve Stem Reamer	Reaming the throttle valve stem hole in the Reverse Valve Bushing (29 or 402) after installing a new Bushing in the Valve Chest (27) or Control Block Valve Chest (401).
43051	Brake Valve Bushing Inserting Tool	Installing a new Brake Valve Bushing (31) in the Valve Chest (27).
71869	Shuttle Valve Bushing Inserting Tool	Installing new Shuttle Valve Bushings (33) in the Valve Chest (27).
75751	Shuttle Valve Chest Bushing Reamer	Reaming new Shuttle Valve Bushings (33) to size after pressing them into the Valve Chest (27).
76557	Pinion Inner Bearing Inserting Tool	Installing the Motor Shaft Bearing (99) in the Rope Drum (96).
76558	Sheave Bearing Inserting Tool (for Sizes C6CA15, 15SR, 25; C620C40, 40SR, 60	
	and 60SR)	Installing the Sheave Bearing (247) in the Sheave (246).
76559	Sheave Bearing Inserting Tool (for Sizes C620C20, 20SR, 20LH, 20LR, 32, 32SR, 32LH, 32LH, 32LR, 100, 100SR, 100LH	
	and 100LR)	Installing the Sheave Bearing (247) in the Sheave (246).

PARTS FOR SUPERSEDED HOISTS STANDARD HEADROOM SIZES

Standard	Standard	Spark-Resistant
C6H20A15	C6H20B14	C6H20A15SR
C6H20A22	C6H20B20	C6H20A22SR
C6H20A28	C6H20B32	C6H20A28SR
C6H20A35		C6H20A35SR
C6H20A40		C6H20A40\$R
C6H20A60		C6H20A60SR
C6H20A100		C6H20A100R

LOW HEADROOM SIZES

Standard	Spark-Resistant
C6H20A15LH	C6H20A15LR
C6H20A22LH	C6H20A22LR
C6H20A35LH	C6H20A35LR

Series C6H20A and C6H20B Hoists have been superseded by Series C620C Hoists. Unless otherwise specified, the repair parts for Series C6H20A and C6H20B Hoists are the same as corresponding parts for C620C Hoists. The parts listed are for superseded sizes.

MOTOR PARTS

Series C6H20A and C6H20B Hoists were originally furnished with a Mechanical Load Brake. The parts listed are for Hoists equipped with a Pendent Throttle or Remote Control and Mechanical Load Brake only. When ordering the Valve Chest and Valve Assembly use part number C6H20A-A245. To order the Valve Chest Assembly use part number C6H20A-B245.

MAIN HOIST PARTS

ILLUSTRATION NUMBER (Do not use for ordering)	PART NAME FOR ORDERING (Parts indented after an item are included with that item)	PART NUMBER FOR ORDERING
96	Rope Drum Assembly	
70	for Sizes C6H20A28 and 28SR	C6H20A28-A371
	for Sizes C6H2OA35, 35SR, 35LH and 35LR	C6H20A25-A371 C6H20A35-A371
	for Sizes C6H20B14 and 14SR	C6H20B14-A371
108	Wire Rope	C6H2UB14-A371
100	for Size C6H20A15	C6H20A15-372
	for Size C6H2OA15SR	C6H20A15-372 C6H20A15-R372
	for Size C6H2OA15LH	C6H20A15-R372 C6H20A15-L372
	for Size C6H20A15LR	C6H20A15-L372 C6H20A15-LR372
	for Size C6H2OA22	C6H20A13-LR372 C6H20A22-372
	for Size C6H20A22SR	C6H20A22-R372
	for Size C6H20A22LH	C6H20A22-K372
	for Size C6H20A22LR	C6H20A22-LR372
	for Size C6H20A35	C6H20A35-372
	for Size C6H20A35SR	C6H20A35-372
	for Size C6H20A35LH	C6H20A35-L372
	for Size C6H2OA35LR	C6H2OA35-LS72
	for Size C6H20B14	C6H20B14-372
	for Size C6H20B14SR	C6H20B14-R372
112	Rope Guide, Motor End	00112021111372
	for Sizes C6H20A15 and 15SR	C6H20A15-R790
	for Sizes C6H20A22, 22SR, 35 and 35SR	C6H20A22-R790
	for Sizes C6H20B14 and 14SR	C6H20B14-R790
113	Rope Guide, Gear End (for Sizes C6H2OA15, 15SR, 22, 22SR, 35 and 35SR)	C6H20A22-R789
*	Rope Thimble (for Sizes C6H20A28, 28SR, 40, 40SR, 60 and 60SR)	DU-602
117	Stop Cam	
	for Sizes C6H20A28 and 28SR	C6H20A28-R771
	for Sizes C6H20A40, 40SR, 60 and 60SR	C6H20A40-R771
	for Sizes C6H2OA15LH and 15LR	C6H20A15-LR771
	for Sizes C6H2OA22LH, 22LR, 35LH and 35LR	C6H20A22-LR771

^{*} Not illustrated.

MECHANICAL LOAD BRAKE

Some Superseded Hoists were supplied with Mechanical Load Brake only. Parts used in this application, in addition to those listed on page 24, are listed below.

PART NAME FOR ORDERING	PART NUMBER FOR ORDERING
Pinion Cap	C6H20A-25 C6H20A-27 RV1-376 L01-67

It is recommended that Hoists having only a Mechanical Load Brake be converted to the Dual Brake system by installing a Conversion Kit, C6H20A-K390. This kit contains all parts necessary for installing a complete Diaphragm Brake on Hoists equipped with Pull Chain Throttle. For Hoists equipped with Pendent Throttle or Remote Control, No. C6H20A-A45 Valve Chest and Valve Assembly must also be ordered and installed when converting from Mechanical Load Brake to Dual Brake.

RIGID AND SWIVEL TROLLEY PARTS FOR STANDARD HEADROOM HOISTS

	PART NAME FOR ORDERING (Parts indented after an item are included with that item)	PART NUMBER FOR ORDERING	
ILLUSTRATION NUMBER (Do not use for ordering)		for I-Beam	for Flat-Tread Monorail
	Assembled Trolley Bracket		
	for Sizes C6H20A15, 22, 28, 35, 40 and 100;		
	C6H20B14, 20 and 32		1
	Standard	C6H20A-B430	C6H20A-B430T
	Spark-Resistant	C6H20A-BR430	C6H20A-BR430T
	for Size C6H20A60		
	Standard	C6H20A60-B700	C6H20A60-B700T
	Spark-Resistant	C6H20A60-BR700	C6H20A60-BR700T
600	Trolley Bracket	1	
	for Sizes C6H20A60 and 60SR	C6H20A60-700	C6H20A60-700
	for other Sizes	C6H20A-430	C6H20A-430

SWIVEL TROLLEY PARTS FOR C6H20A60 AND C6H20A60SR HOISTS (See illustration on page 30).

ILLUSTRATION NUMBER (Do not use for ordering)	PART NAME FOR ORDERING (Parts indented after an item are included with that item)	PART NUMBER FOR ORDERING
620	Trolley Mounting Swivel Block (2)	C6H20A60-425
621	Swivel Trolley Yoke (2)	C6H20A60-827
622	Swivel Block Bolt (2)	C6H20A60-823
623	Swivel Bolt Nut (2)	C6H20A60-824
624	Swivel Bolt Spacer (2)	D02-1591
625	Swivel Bolt Pin (2)	C6H20A-826
626	Swivel Thrust Bearing (2)	D02-1379
627	Swivel Yoke Bolt (4)	C6H20A-339
628	Yoke Bolt Nut (4)	C6H20A-440

HAND CHAIN TROLLEY PARTS

ILLUSTRATION NUMBER (Do not use for ordering)	PART NAME FOR ORDERING (Parts indented after an item are included with that item)	PART NUMBER FOR ORDERING	
		for I-Beam	for Flat-Tread Monorail
	Assembled Trolley Bracket		
	Geared Side for Standard Headroom Hoists		
	Standard	C6H20A-G430	C6H20A-G430T
	Spark-Resistant	C6H20A-GR430	C6H20A-GR430T
	Plain Side		
	for Standard Headroom Hoists		
	Standard	C6H20A-B430	C6H20A-B430T
	Spark-Resistant	C6H20A-BR430	C6H2OA-BR43OT
260	Trolley Bracket for Standard Headroom Hoists	C6H20A-430	C6H20A-430

DRAWBAR PARTS (Not illustrated)

PART NAME FOR ORDERING			
Drawbar Yoke. Yoke Hinge Pin . Hinge Pin Cotter (2) (1/8" x 1 1/4") Drawbar Pin . Drawbar Pin Cotter (2) (3/32" x 3/4"). Drawbar Bracket (for Standard Headroom Hoists) Bracket Hinge Pin (for Standard Headroom Hoists). Hinge Pin Set Screw (for Standard Headroom Hoists)	C6H20A-607 C6H20A-608 D02-330 C6H20A-793 D02-524 D6H60A-611 C6H20A-612 D10-449		

4

TROLLEY BRACKET BOLTS REQUIRED FOR MOUNTING TROLLEYS ON VARIOUS TRACKS

I-BEAMS

BEAM SIZE		FLANGE WIDTH		FOR STANDARD HEADROOM HOISTS	FOR LOW HEADROOM HOISTS	
in.	mm	in.	mm	Trolley Bracket Bolt Part Number	Trolley Bracket Bolt Part Number	
6	152	3.33	85		D01-694-8	
7	178	3.66	93	С6Н20А-439-9	C6H20A-L439-8 ¹ / ₂	
8	203	4.00	102	С6Н20А-439-91/2	D01-694-9	
10	254	4.66	118	C6H20A-439-10 ¹ / ₂	D01-694-91/2	
12	305	5.00	127	C01120A-435-10-72	D01-094-9 42	
15	381	5.50	140	C6H20A-439-11 ¹ / ₂	C6H20A-L439-10 ¹ / ₂	
18	457	6.00	152	C0H20A-439-11 /2	50112011 D107 1072	

FLAT-TREAD MONORAILS

FLANGE WIDTH OF MONORAIL		FOR STANDARD HEADROOM HOISTS	FOR LOW HEADROOM HOISTS	
in.	mm	Trolley Bracket Bolt Part Number	Trolley Bracket Bolt Part Number	
3.25 to 3.33	82 to 85	C6H20A-439-9 ¹ / ₂	D01-694-9	
41/16	103	C6H20A-439-101/2	D01-694-9 1/2	
41/2	114	Con20A-459-1042	C6H20A-L439-10 ¹ / ₂	



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