

CYCLONE HAND HOIST PARTS LIST

Key No.	No. Req'd	Part Name	Capacity - Ton						
			1/4 & 1/2	1	1-1/2 & 2	3 & 4	5 & 6	8 & 10	
			Part Number						
646-101B	1	Upper Hook (Includes Latch) Latch Type	--		45604		--		
646-101B	1	Upper Hook-Latchlok Type	--		1023		--		
646-101C	2	Upper Hook Washer	--		45918		--		
646-101D	1	Upper Hook Collar	--		35478		--		
646-101E	1	Upper Hook Collar Pin	--		45946		--		
646-102A	1	Load Chain Guide	--				45049		
646-102B	3	Load Chain Guide Screw	--				945815		
646-102C	3	Load Chain Guide Screw L.W.	--				45852		
646-103A	1	Stripper	--				45420		
646-103B	2	Stripper Screw	--				982709		
646-104	1	Handwheel Shaft and Pinion with Bearings (Items 646-104A, 646-104B and 646-104C) - Not Shown	--				C710 For 1-1/2 & 3 Ton, C711 For 2, 4, 5, 6, 8 & 10 Ton		
646-104A	1	Handwheel Shaft and Pinion	--		45355 for 1-1/2 & 3 Ton,		45356 for 2, 4, 5, 6, 8 & 10 Ton		
646-104B	1	Handwheel Shaft Bearing (Handwheel End)	--				88437		
646-104C	1	Handwheel Shaft Bearing (Pinion End)	--				83671		
646-116	1	Liftwheel with Bearings (Items 646-116A thru 646-116E) - Not Shown	--				C712		
646-116A	1	Liftwheel	--				45057		
646-116B	1	Liftwheel Bearing (Handwheel End)	--				88445		
646-116C	1	Liftwheel Bearing (Gear End)	--				83669		
646-116D	1	Liftwheel Snap Ring	--				45766		
646-116E	1	Liftwheel Bearing Retaining Ring (Gear End)	--				46800		
646-118	1	Liftwheel Gear	--				45008		
646-119	2	Liftwheel Dowel Pin	--				45771		
646-121	1	Intermediate Gear and Pinion with Bearings (Items 646-121A, 646-121B and 646-121C) - Not Shown			C713 for 1 1/2 & 3 Ton, C714 for 2, 4, 5, 6, 8 & 10 Ton				
646-121A	1	Intermediate Gear & Pinion	--		45014 for 1-1/2 & 3 Ton (7 & 45 Teeth) 45015 for 2, 4, 5, 6, 8 & 10 Ton (7 & 47 Teeth)				
646-121B	1	Intermediate Gear Bearing (Pinion End)	--				83682		
646-121C	1	Intermediate Gear Bearing (Cover End)	--				88437		
646-122	2	Gear Cover Dowel	--				46730		
646-124	1	Gear Cover with Capacity Insert			C715 for 1-1/2 Ton, C723 for 2 Ton, C724 for 3 Ton, C725 for 4 Ton, C726 for 5 Ton, C727 for 6 Ton, C728 for 8 Ton & C729 for 10 Ton				
646-124A	1	Capacity Insert			46708 (1-1/2 Ton), 46709 (2 Ton), 46710 (3 Ton) 46711 (4 Ton), 46712 (5 Ton), 46713 (6 Ton), 46714 (8 Ton), 46715 (10 Ton)				
646-124B	2	Capacity Insert Pin	--				988271		
646-124C	3	Gear Cover Screw	--				983732		
646-124D	1	Gear Cover Gasket	--				46704		
646-125A	1	Loose End Screw	--				945815		
646-125B	1	Loose End Screw L.W.	--				945852		
646-125C	1	Loose End Screw Washer	--				954806		
646-129	1	Lower Hook and Block Assembly-Latch Type Hook	--		45669		--		
646-129A	1	Lower Hook with Latch-Latch Type Hook	--		45603		--		
646-129A	1	Lower Hook-Latchlok Type Hook	--		1024		--		
646-129B	1	Hook Block Body	--		45399		--		
646-129E	1	Lower Hook Thrust Bearing	--		88505		--		
646-129F	1	Lower Hook Nut	--		45382		--		
646-129G	1	Lower Hook Nut Pin	--		983779		--		
646-129H	1	Lower Hook Chain Block	--		45017		--		
646-129J	1	Hook Block Pin	--		45948		--		
646-130	1	Load Chain (Specify Lift or Length Req'd)	--				85864		
646-131	1	Hand Chain (Specify Lift or Length Req'd)			85808				
646-132	1	Load Limiter Complete			44602 for 1/4 Ton, 44601 for 1/2 Ton, 44600 for 1 thru 10 Ton				
646-133	1	Handwheel Sub-Assembly			45675				
646-134	1	Load Limiter Hub			45012				
646-135	2	Friction Washer			45886				
646-136	1	Steel Washer			45032				
646-137	1	Spring Washer			45888				
646-138	1	Lockwasher			45033				
646-139	1	Nut			45737				
646-144	2	Latch Kit	--		45663		--		
646-201B	1	Upper Hook (Includes Latch)-Latch Type	--			45607	45606 (5T.) 40607 (6T.)	45609	
646-201B	1	Upper Hook-Latchlok Type	--			1025	1027	1028	
646-201C	2	Upper Hook Washer	--			40736			988005
646-201E	1	Upper Hook Nut Pin	--			983787			983788
646-201F	1	Upper Hook Nut	--			940834			945836
646-206	2	Latch Kit	--			45664	45664 (5T.) 45665 (6T.)	*45697	
646-229	1	Lower Hook Block Assembly - Not Shown			45670 for 3 Ton, 45615 for 4 Ton. 45616 for 5 Ton, 45617 for 6 Ton 45619 for 8 & 10Ton				
646-229A	1	Lower Hook (Includes Latch)-Latch Type	--			45605	45606 (5T.) 40607 (6T.)	45609	
646-229A	1	Lower Hook-Latchlok Type	--			1026	1027	1028	

*NOTE: 8 ton units before serial no. S-A006GT used latch kit part number 45696.

CYCLONE LOW HEADROOM TROLLEY HOIST PARTS LIST

Key No.	No. Req'd.	Part Name	Capacity - Ton		
			1/2 & 1	1-1/2, 2 & 3	4, 5 & 6
			Part Number		
648-1	1	Main Frame	48001C		--
648-2A	1	Load Chain Guide	45047 (1/2 T.) 45048 (1T.)		--
648-2B	2	Load Chain Guide Screw	982368		--
648-2C	2	Load Chain Guide Screw L.W.	945851		--
648-3A	1	Stripper	45043		--
648-3B	2	Stripper Screw-Long	982709		--
648-3C	3	Stripper Screw L.W.	Order 648-3B & 648-3D		--
648-3D	1	Stripper Screw-Short	987315		--
648-4A	1	Handwheel Shaft & Pinion	45357 (1/2 T.) 45358 (1 T.)		--
648-4B	1	Handwheel Shaft Bearing (Handwheel End)	88437		--
648-4C	1	Handwheel Shaft Bearing (Gear End)	88444		--
648-4D	1	Handwheel Shaft Snap Ring	45873		--
648-14B	1	Cover Label		946754	
648-15A	3	Handwheel Cover Screw	982698		--
648-16A	1	Liftwheel	48362 (1/2 T.) 48368 (1 T.)		--
648-16B	1	Liftwheel Bearing (Handwheel End)	88429		--
648-16C	1	Liftwheel Bearing (Gear End)	83674		--
648-16D	2	Liftwheel Snap Ring	48704		--
648-17A	1	Frame Bearing Retainer	48702		--
648-17B	2	Frame Bearing Retainer Screws	987716		--
648-20	1	Liftwheel Shaft Nut	945841		--
648-24B	3	Gear Cover Screw	987322		--
648-30	1	Load Chain (Specify Lift or Length Req'd.)	85839 (1/2 T.) 85841 (1 T.)		--
648-31	1	Hand Chain (Specify Lift or Length Req'd.)	85808		--
648-32	1	Warning Tube		946735	
648-33	1	I.D. Plate		45982	
648-34	2	Drive Screw		988271	
648-45	1	Hand Chain Connecting Link	945490		--
648-60	1	Front Frame with Pawl Stud and Pawl Spring Pin	48611C		--
648-60B	1	Pawl Spring Pin	983531		--
648-60C	1	Pawl Stud Pin	983494		--
648-60D	1	Pawl Stud	48376		--
648-61A	4	Front Frame Screw	987019		--
648-61B	4	Front Frame Screw L.W.	945851		--
648-62	2	Trolley Frame	*48005		--
648-63A	2	Suspension Bolt	*48371		--
648-63B	4	Suspension Bolt Nut	948803		--
648-63C	4	Suspension Bolt Cotter Pin	988343		--
648-64	-	Spacer Washer (Specify Quantity)	948700		--
648-65	4	Trackwheel	*50762		--
648-66A	4	Trackwheel Stud	*48300		--
648-66B	4	Trackwheel Stud Nut	*948804		--
648-66C	4	Trackwheel Stud Nut L.W.	*987924		--
648-101	1	Main Frame	--	**48010C for 1-1/2 & 2 Ton, 48010C for 3 Ton, 48013C for 4, 5 & 6 Ton	
648-102A	1	Load Chain Guide	--	45049	
648-102B	3	Load Chain Guide Screw	--	948805	
648-102C	3	Load Chain Guide Screw L.W.	--	45852	
648-103A	1	Stripper	--	48043	
648-103B	1	Stripper Screw	--	87055	
648-103C	1	Stripper Screw L.W.	--	987919	
648-104A	1	Handwheel Shaft and Pinion	--	45360 (10 Teeth, 18-7/64 Long) for 1-1/2 & 3 Ton, 45359 (8 Teeth, 18-7/64 Long) for 2 Ton and 45361 (8 Teeth, 20-47/64 Long) for 4, 5 & 6 Ton.	
648-104B	1	Handwheel Shaft Bearing (Handwheel End)	--	88437	
648-104C	1	Handwheel Shaft Bearing (Gear End)	--	83671	
648-112	2	Handwheel Shaft Nut	--	931717	
648-115A	3	Handwheel Cover Screw	--	982698	
648-116A	1	Liftwheel	--	48369	48370
648-116B	1	Liftwheel Bearing (Handwheel End)	--	83678	
648-116C	1	Liftwheel Bearing (Gear End)	--	83669	
648-116D	1	Liftwheel Snap Ring	--	45766	
648-117A	1	Frame Bearing Retainer	--	45751	
648-117B	2	Frame Bearing Retainer Screw	--	987716	
648-121D	1	Intermediate Gear and Pinion Nut	--	931717	
648-122A	1	Spider	--	45035	
648-122B	2	Spider Dowel	--	45430	
648-122C	3	Spider Attaching Screw	--	982689	
648-122D	3	Spider Attaching Screw L.W.	--	940830	

*Part numbers listed are for trolleys that operate on 6" thru 12" S-beams. If trolley operates on 4" or 5" S-beam, part numbers are as follows: 48006 for 648-62 trolley frame, 48373 for 648-63A suspension bolt, 54732 for 648-65 trackwheel, 54731 for 648-66A trackwheel stud, 982521 for 648-66B trackwheel stud nut and 987921 for 648-66C trackwheel stud nut lockwasher.

**Part number listed is for trolley that operates on 7" thru 15" S-beams. If trolley operates on 6" S-beam, part number is 48032C (1-1/2 & 2 Ton).

CYCLONE LOW HEADROOM TROLLEY HOIST PARTS LIST

Key No.	No. Req'd.	Part Name	Capacity - Tons		
			1/2 & 1	1-1/2, 2 & 3	4, 5 & 6
			Part Number		
648-123A	1	Spider Bearing Retainer	--	45752	
648-123B	2	Spider Bearing Retainer Screw	--	987716	
648-124A	1	Gear Cover	--	45717C	
648-124B	3	Gear Cover Screw	--	983732	
648-124C	1	Gear Cover Gasket	--	45746	
648-130	1	Load Chain (Specify Lift or Length Req'd.)	--	85864	
648-131	1	Hoist Hand Chain (Specify Lift or Length Req'd.)	--	85808	
648-145	1	Hand Chain Connecting Link	--	945490	
648-160	1	Front Frame with Pawl Stud and Pawl Spring Pin	--	48612C	
648-160B	1	Pawl Spring Pin	--	983531	
648-160C	1	Pawl Stud Pin	--	983535	
648-160D	1	Pawl Stud	--	48376	
648-161A	4	Front Frame Screw	--	987020	
648-161B	5	Front Frame Screw L.W.	--	945851	
648-161C	1	Front Frame and Stripper Screw	--	948807	987034
648-162A	1	Trolley Frame (Specify if for Plain or Geared)	--	48668	48670
648-162B	1	Trolley Frame (Specify if for Plain or Geared)	--	48667 for 1-1/2, 2 & 3 Ton Plain Trolley 46664 for 1-1/2, 2 & 3 Ton Geared Trolley 48669 for 4, 5 & 6 Ton Plain Trolley 46665 for 4, 5 & 6 Ton Geared Trolley	
648-163A	2	Suspension Bolt	--	58503 (1" Dia. x 12-1/4" Long) for 1-1/2, 2 and 3 Ton. 48372 (1-1/4 Dia. x 15" Long) for 4, 5 & 6 Ton	
648-163B	4	Suspension Bolt Nut	--	958818	945835
648-163C	4	Suspension Bolt Cotter Pin	--	988368	988381
648-164	--	Spacer Washer (Specify Quantity)	--	958726	948701
648-165A	4	Trackwheel	--	58162	58163
648-165B	8	Trackwheel Bearing Cup	--	88521	88556
648-165C	8	Trackwheel Bearing Cone	--	88525	88545
648-165D	8	Trackwheel Bearing Seal Washer	--	68918	68917
648-166A	4	Trackwheel Stud	--	58459	58540
648-166B	4	Trackwheel Stud Nut	--	982613	988192
648-166C	4	Trackwheel Stud Collar	--	58484	58492
648-167	1	Gear Housing	--	48015C	
648-168A	5	Gear Housing Screw	--	948806	948807
648-168B	5	Gear Housing Screw L.W.	--	945851	
648-169A	2	Trackwheel Gear	--	58548	58549
648-169B	4	Trackwheel Gear Pin	--	983503	
648-170	1	Trackwheel Pinion	--	46385	
648-171	1	Trackwheel Pinion Key	--	85446	
648-172	1	Trolley Handwheel	--	33143	
648-173	1	Trolley Handwheel Key	--	59967	
648-174A	1	Handwheel Bracket with Bushings	--	59616	
648-174B	2	Handwheel Bracket Bushing	--	58727	
648-175A	3	Handwheel Bracket Screw	--	987061	
648-175B	3	Handwheel Bracket Screw L.W.	--	945853	
648-176	1	Trolley Hand Chain Guide	--	58152	
648-177A	1	Trolley Hand Chain Guide Screw	--	987065	
648-177B	1	Trolley Hand Chain Guide Screw Nut	--	945822	
648-177C	1	Trolley Hand Chain Guide Screw L.W.	--	945853	
648-177D	1	Trolley Hand Chain Guide Screw Washer	--	986224	
648-178A	1	Trolley Handwheel Shaft	--	58504	
648-178B	2	Trolley Handwheel Shaft Nut	--	988095	
648-178C	2	Trolley Handwheel Shaft L.W.	--	986270	
648-179	1	Trolley Hand Chain (Specify Lift or Length Req'd)	--	85808	
648-180	1	Hand Chain Connecting Link	--	945490	
648-230	1	Hanger Chain Anchor Pin (4 Ton)	--	--	45425
648-231	2	Hanger Chain Anchor Pin Retainer (4 Ton)	--	--	48024
648-232	2	Hanger Chain Anchor Pin Block (4 Ton)	--	--	48393
648-239	1	Upper Sheave (5 & 6 Ton)	--	--	45085
648-242	2	Upper Sheave Bearing (5 & 6 Ton)	--	--	83670
648-243	1	Hanger Snap Ring (4 Ton)	--	--	45765
648-243	1	Upper Sheave Bearing Snap Ring (5 & 6 Ton)	--	--	45765
648-244	2	Upper Sheave Bearing Retainer (5 & 6 Ton)	--	--	45151
648-260	1	Hanger Chain Anchor	--	48019 (3 Ton)	48021 (4 Ton)
648-261	1	Dead End Pin (3 & 4 Ton)	--	45945 (3 Ton)	
648-262	1	Liftwheel Gear	--	45062	
648-263	1	Intermediate Gear and Pinion	--	45080 for 1-1/2 & 3 Ton, 45081 for 2, 4, 5 & 6 Ton	