

CAUTION

Do not disassemble or readjust the clutch, or replace it with a clutch assembly from another hoist. Doing so will void the warranty and may create an unsafe condition. If replacement is needed due to wear or loss of adjustment, always use a new clutch assembly.

5. Remove four screws attaching gear box cover to gear housing and remove gear box cover. Limit switch drive shaft will come along with the cover.



Figure 9 - Assembled Gearing

6. Inspect gears for broken or severely worn teeth and inspect all bearings. Replace as necessary. The overload slip clutch is factory calibrated and must not be disassembled or readjusted.
7. Reassemble in reverse order of disassembly making sure gasket is in place and in good condition. Coat gasket with Permatex® or other gasket cement. Extreme care should be taken to avoid damage to oil seals.
8. Check all wire terminals to be sure they are properly seated and in accordance with wiring diagram. Check brake adjustment and limit switch settings. Follow INSTALLATION, page 5 to reinstall the unit.

SUSPENSION

Refer to Figures 15, 28 and 29.

The sheave housing and the gear housing must be separated to remove the lug suspension, chain guides and plates, and chain support (2-ton models); and to inspect the load sheave.

1. DISCONNECT HOIST FROM POWER SUPPLY.
Disassemble the trolley from the suspension lug.
2. Lay the hoist on its side and remove the four screws holding the sheave and gear housings together. Refer to CHAIN REPLACEMENT WITH NO CHAIN IN HOIST for more information on working on this section of the hoist. Carefully pull the motor and sheave housing assembly from the hoist. Turn the two hoist sections at right angles. Be careful not to damage any motor leads, which run from the motor to the other side of the hoist.
3. The lug assembly is easily removed once the housings are pulled apart. It should be inspected for any deficiencies in the lug, lug nut or retaining pin. The load sheave, chain guides and plates, chain support (2-ton models) and bearing should be inspected at this point. Replacement of the load sheave requires disassembly of the gearbox (see GEARING, page 12).



Figure 10A - Suspension for 1-Ton



Figure 10B - Suspension for 2-Ton

4. Replace parts as necessary, including any associated hardware. Refer to CHAIN REPLACEMENT WITH NO CHAIN IN HOIST, page 10 for reassembly. When reassembled, check that the travel limit switches are set correctly (see LIMIT SWITCH ADJUSTMENT, page 10).

TROLLEY MAINTENANCE

No routine maintenance of the trolley is required other than wheel gear lubrication. The trolley should be inspected for damage, loose parts, and excessive wheel wear at the same time as the hoist inspections.

CAUTION

Any deficiencies are to be corrected before the hoist and trolley is returned to service. Also, the external conditions may show the need for disassembly to permit a more detailed inspection, which, in turn, may require the use of nondestructive type testing.

TROLLEY LUBRICATION

TROLLEY WHEEL GEARS

Lubricate the trolley wheel gears at the periodic inspections with an NLGI #2 or heavier grease.

TROLLEY TRANSMISSION

Periodic lubrication is not necessary. If the gearbox is opened for repair, repack with an NLGI #1 grease.

TROLLEY WHEEL BEARINGS

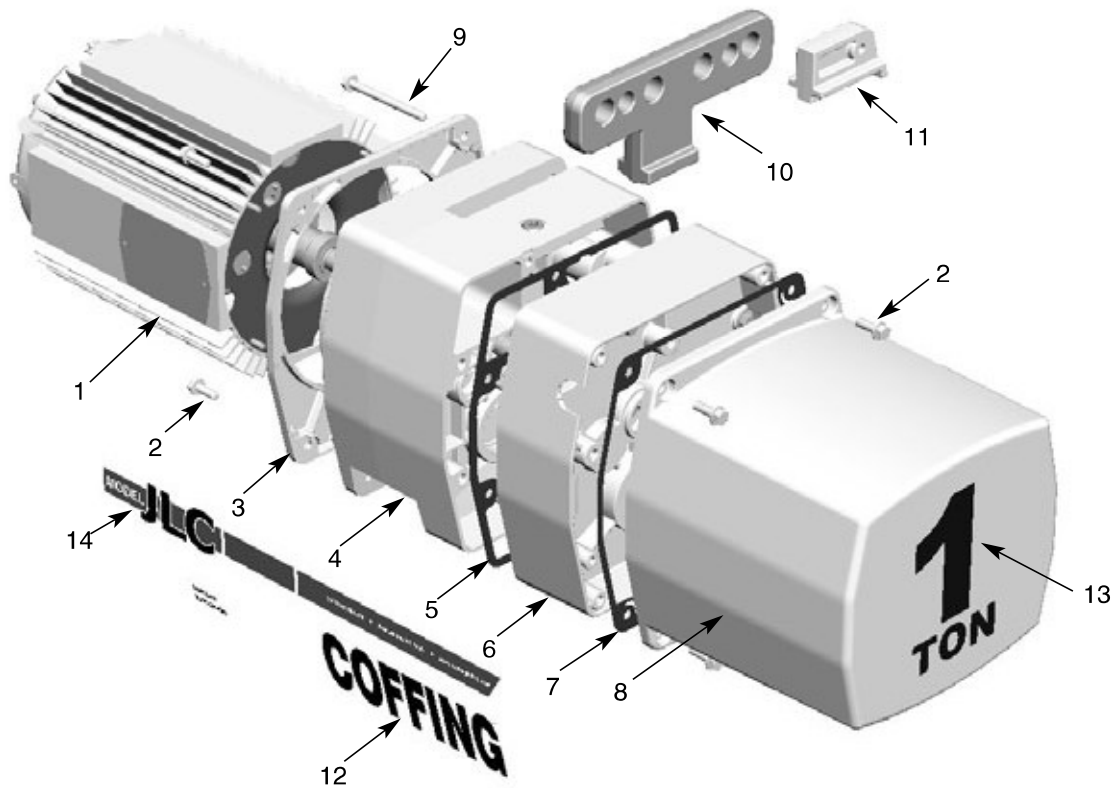
Trolley wheel bearings are prelubricated and sealed. Bearings must be replaced if problems are indicated.

OPTIONAL TROLLEY BRAKE

Refer to Figure 31. Units that are supplied with an optional trolley brake utilize a trolley transmission that allows the brake assembly to be mounted opposite the trolley motor. The brake must be maintained similarly to the hoist brake (see HOIST BRAKE, page 11). The gap between the brake armature and the field is factory set to 0.015". Do not allow the gap to exceed 0.040".

Contact your nearest Coffing Service Center for parts and service. For a complete list, see pages 50 and 51. Please have the hoist model number, serial number, and part number with description available for reference.

Figure 15 - Basic Hoist



Parts List for Basic Hoist

Ref No.	Description	Part No.	Qty	Ref No.	Description	Part No.	Qty
1	Motor (See Figures 16 & 17)	—	1	14	JLC Strip Decal (Left & Right Side)	JLC677	1
2	Cover Screw	H2976P	7	△	Nylon Cover		
3	Trim Cover	JM37	1		†1/8 ton	08790W	1
4	Transmission Housing	JM3533	1		†1/4 ton	08791W	1
5	Transmission Case Gasket	JM560	1		†1/2 ton	08792W	1
6	Transmission Cover	JM34	1		†1 ton	08793W	1
7	Electrical Cover Gasket	JM563	1		†2 ton	08794W	1
8	Electrical Cover	JM36	1	△	Suspension Lug		
9	Hook Retainer Screw	H2709P	1		Cross Mounted (Standard)	JM50C	1
10	Suspension Lug Assembly	JM50C	1		Parallel Mounted	50JM1	1
11	Lug Retainer	JM285	1				
12	Coffing Decal	677J7	2				
13	Capacity Decal						
	1/8 ton	JLC675K-01	1				
	1/4 ton	JLC675K-02	1				
	1/2 ton	JLC675K-05	1				
	1 ton	JLC675K-10	1				
	2 ton	JLC675K-20	1				

(△) Not Shown