TROUBLESHOOTING

For de-assembly and assembly, follow instructions on pages 7 thru 11. Always test the Yale Lever Hoist under load after re-assembly of any parts to be sure it operates properly and holds the load when the lever is released.

<table>
<thead>
<tr>
<th># TOOL</th>
<th>CAUSE MAY BE</th>
<th>CHECK AND REMEDY</th>
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</thead>
<tbody>
<tr>
<td>1. Brad in hand to operate in either direction.</td>
<td>A) Chain binding in down direction.</td>
<td>A) Check and remedy (as Figure 17), and replace if not working properly.</td>
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<td>2. is hard to operate in down direction.</td>
<td>B) Brake adjusting nut is too tight.</td>
<td>B) See item 10.</td>
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<tr>
<td>3. is hard to operate in up direction.</td>
<td>C) Brake parts corroded or clogged with foreign matter.</td>
<td>C) Replace brake parts.</td>
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<tr>
<td>4. Liftwheel pockets are worn excessively causing chain to bind between liftwheel and frame.</td>
<td>D) Liftwheel pockets are worn excessively.</td>
<td>D) Clean by removing any foreign matter.</td>
</tr>
<tr>
<td>5. Excessive overspill has been applied</td>
<td>E) Brake parts corroded or clogged with foreign matter.</td>
<td>E) Replace brake parts.</td>
</tr>
<tr>
<td>6. Frame bearings are worn excessively.</td>
<td>F) Frame bearings are worn excessively.</td>
<td>F) Clean out pockets and use if not worn excessively.</td>
</tr>
<tr>
<td>7. Frame bearings are worn excessively.</td>
<td>G) Frame bearings are worn excessively.</td>
<td>G) Clean by removing any foreign matter.</td>
</tr>
<tr>
<td>8. Excessive overspill has been applied</td>
<td>H) Excessive overspill has been applied.</td>
<td>H) Replace damaged parts.</td>
</tr>
</tbody>
</table>

SAFETY PRECAUTIONS

Each Yale Manually Lever Operated Hoist is built in accordance with the specifications contained herein and at the time of manufacture complies with our interpretation of applicable sections of *ASME B30.21, *ANSI/ASME HST-3M and the Occupational Safety and Health Act-1970.

The safety laws for elevators and for dumbwaiters specify construction details that are not incorporated in Yale Industrial Hoists. We recommend the use of equipment that meets state and national safety codes for such use. Yale Hoists cannot be responsible for applications other than those for which Yale equipment is recommended.

*Copies of these standards may be obtained from ASME Order Department, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300.

! IMPORTANT SAFETY WARNING!

Improper operation of hoists can create seriously hazardous situations. To avoid such a hazardous situation, the operator shall:

1. Maintain a firm footing or be otherwise secured when operating the hoist.
2. Check brake function by tensioning the hoist prior to each lifting of load.
3. Operate the hoist only with the brakes set to prevent movement of the chain during lifting.
4. Operate the hoist only with the load clear of the supported load.
5. Inspect the hoist regularly, replace damaged or worn parts, and keep appropriate records of maintenance.
6. Operate the hoist only with the load clear of the supported load.
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HOIST SAFETY IS UP TO YOU...

1. **WARNING**  DO NOT APPLY MORE THAN RATED LOAD.
   - Choose the right hoist for the job. Choose a Yale Lever Hoist with a capacity for the job. Know the capacities of your hoists and the weight of your loads. Then match them. The application, the size and type of load, the attachments to be used and the period of use must also be taken into consideration in selecting the right hoist for the job.
   - Remember the hoist was designed to ease our burden and carelessness not only endangers the operator, but in many cases, a valuable load.

2. **WARNING**  DO NOT OPERATE DAMAGED OR MALFUNCTIONING UNIT.
   - Do not operate a malfunctioning hoist. Check chain for gouged, twisted, distorted links and foreign material. Do not operate hoists with twisted, kinked or damaged chain links.

3. **WARNING**  DO NOT OPERATE WITH TWISTED, KINKED OR DAMAGED CHAIN.
   - Chains should be checked for deposits of foreign material which may be carried into the hoist mechanism.

4. **WARNING**  DO NOT OPERATE DAMAGED OR MALFUNCTIONING UNIT, DO NOT OPERATE WITH TWISTED, KINKED OR DAMAGED CHAIN.
   - Load chain should be properly lubricated.
   - Hooks that are bent, worn or whose openings are enlarged beyond normal throat opening should not be used. If latch does not engage throat opening of hook, hoist should be taken out of service.

5. **WARNING**  DO NOT OPERATE UNLESS FRAME AND CHAIN FORM A STRAIGHT LINE, DO NOT USE IF FRAME IS IN CONTACT WITH ANY OBJECT, DO NOT USE LOAD CHAIN AS A SLING, DO NOT USE AN EXTENSION ON THE LEVER.
   - Never use an extension on the lever! You're dangerously overloading the hoist if you exceed the rated lever pull or if you have to use a lever extension to lift or pull a load.

**VIOLATION OF ANY OF THESE WARNINGS LISTED MAY RESULT IN SERIOUS PERSONAL INJURY TO THE OPERATOR OR NEARBY PERSONNEL BY RELEASED LOAD OR BROKEN HOIST COMPONENTS.**

EXPLODED VIEW 3/4 - 6 TON YALE PE2 LEVER HOIST

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**INFORMATION: LEVERING USING UNSAFE LOAD AND LOAD AREA IS A VIOLATION OF LAW.**

**DO NOT USE IF IN PROPER LOAD AND OR CHAIN FOR A PROPER LOAD AND OR CHAIN FOR A PROPER LOAD AND OR CHAIN FOR A PROPER LOAD AND OR CHAIN FOR A PROPER LOAD AND OR CHAIN FOR A PROPER LOAD AND OR CHAIN FOR A PROPER LOAD AND OR CHAIN FOR A PROPER LOAD AND OR CHAIN FOR A PROPER LOAD AND OR CHAIN FOR A PROPER LOAD AND OR CHAIN FOR A PROPER LOAD AND OR CHAIN FOR A PROPER LOAD AND OR CHAIN FOR A PROPER LOAD AND OR CHAIN FOR A PROPER LOAD AND OR CHAIN FOR A PROPER LOAD AND OR CHAIN FOR A PROPER LOAD AND OR CHAIN FOR A PROPER LOAD AND OR CHAIN FOR A PROPER LOAD AND OR CHAIN FOR A PROPER LOAD AND OR CHAIN FOR A PROPER LOAD AND OR CHAIN FOR A PROPER LOAD AND OR CHAIN FOR A PROPER LOAD AND OR CHAIN FOR A PROPER LOAD AND OR CHAIN FOR A PROPER LOAD AND OR CHAIN FOR A PROPER LOAD AND OR CHAIN FOR A PROPER LOAD AND OR CHAIN FOR A PROPER LOAD AND OR CHAIN FOR A PROPER LOAD AND OR CHAIN FOR A PROPER LOAD AND OR CHAIN FOR A PROPER LOAD AND OR CHAIN FOR A PROPER LOAD AND OR CHAIN FOR A PROPER LOAD AND OR 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