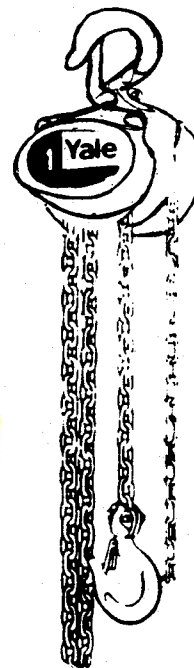


Yale[®]

Hoisting Equipment

Operation & Service Guide
Hand Chain Hoist Model SH
1/2 to 5 Ton Capacity

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SAFE HOISTING PRACTICES

For your own safety and that of your fellow workers, Material Handling Equipment must be used and maintained as recommended by the Manufacturer. Failure to heed the following recommendations could endanger your life. Use good common sense and judgement at all times. Safety is the responsibility of the operator of the equipment. You must be competent and attempt to foresee and avoid all hazardous conditions. To be safe as possible the hoist must be given proper preventive maintenance and testing as described in the ANSI B30-16 Safety Code for Overhead Hoists and this Manual.

BEFORE OPERATING HOIST:

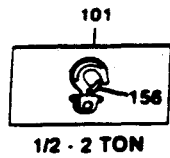
- 1 Do not operate hoist unless you are properly trained, physically fit, and authorized to do so. You must be familiar with all operating controls of the hoist, warnings, and instructions on the hoist, the safe hoisting practices listed in this Manual, ANSI B30-16 Safety Code for Overhead Hoists, and all pertinent Federal, State, and local regulations before beginning operation.
- 2 Do not allow unqualified personnel to operate the hoist.
- 3 Be familiar with the equipment and its proper care. Do not operate hoist if adjustments or repairs are necessary, if any damage or undue wear is known or suspected, or if any warning, operating, or capacity instructions normally attached to hoist are damaged, obscured or missing. Report same promptly to the proper person and also notify next operator when changing shifts.
- 4 Conduct periodic visual inspections as described in Preventive Maintenance Section of this Manual and make sure necessary lubrication and repairs are made.
- 5 Do not operate hoist if it is functioning improperly.
- 6 Do not operate hoist with an out-of-order sign attached until sign has been removed by a properly authorized person.
- 7 Do not adjust or repair hoist unless qualified for maintenance of hoist.
- 8 Do not use chain as ground for welding.
- 9 Do not touch a welding electrode to the chain.
- 10 Never attempt to motorize or mechanically operate a hoist designed for manual operation.

APPLYING THE LOAD:

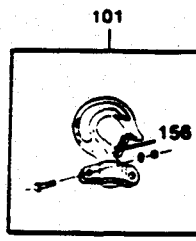
- 1 Never wrap the hoist chain around the load, or allow it to drag under load.
- 2 Use slings or other approved devices to attach load as necessary.
- 3 Be sure the sling is properly seated in the saddle of the hook. Do not allow hook latch to support any part of load.
- 4 Do not apply a load to tip of hook, or in such a way as to cause bending or prying forces on the hook or hook support block.
- 5 Be sure chains are not kinked or twisted or that multiple part chains are not twisted about each other.
- 6 Do not operate hoist if chain is not seated properly in the sheaves.
- 7 Center hoist unit over the load before lifting. Avoid side pull on either load or hand chain.
- 8 Never pick up a load beyond the rated capacity appearing on the hoist, except for properly authorized tests.
- 9 Never carry personnel on the hook or the load.
- 10 Avoid swinging of load or load hook when traveling the hoist.
- 11 On trolley mounted hoists, avoid sharp contact between trolleys, or between trolleys and rail stops.

PARKING:

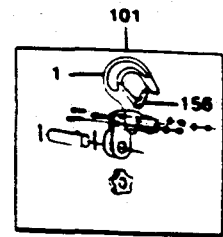
- 1 Do not leave a load suspended in the air for extended or unattended periods.
- 2 Keep load block above head level when not in use.



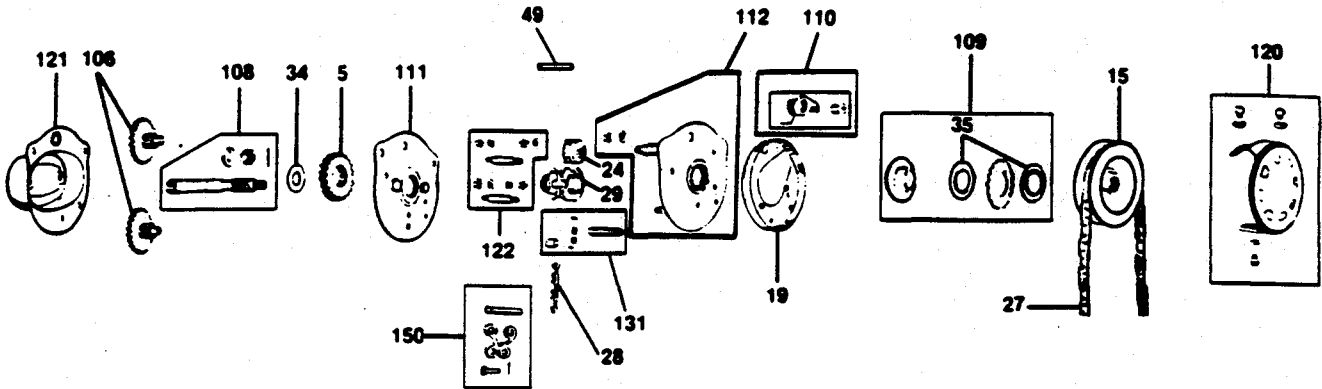
1/2 - 2 TON



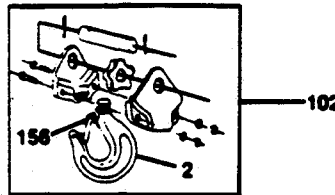
3 TON



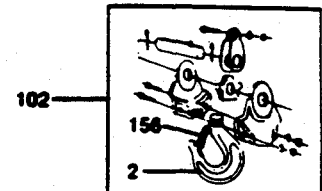
5 TON



1/2 - 2 TON



3 TON



5 TON

NOTE: When installing replacement load chain be sure the smooth side of the link mates to the sheave pocket (weld side away from sheave) to assure safe raising and lowering operation and to avoid unnecessary chain or sheave wear.

ITEM	DESCRIPTION	QTY	1/2 TON	1 TON	1 1/2 TON	2 TON	3 TON	5 TON
101	TOP HOOK ASM.	1	822-050-101	822-100-101	822-150-101	822-200-101	822-300-101	822-500-101
1	TOP HOOK & LATCH	1	N/A	N/A	N/A	N/A	N/A	822-500-001
102	BTM. BLK. ASM.	1	822-050-102	822-100-102	822-150-102	822-200-102	822-300-102	822-500-102
2	BTM. HOOK & LATCH	1	N/A	N/A	N/A	N/A	822-300-002	822-500-002
156	SAFETY LATCH KIT	2	822-050-156	822-100-156	822-150-156	822-200-156	822-300-156	822-500-156
5	FIRST GEAR	1	822-050-005	822-100-005	822-150-005	822-200-005	822-150-005	822-200-005
106	2ND & 3RD GEAR	2	822-050-106	822-100-106	822-150-106	822-200-106	822-150-106	822-200-106
108	PINION KIT	1	822-100-108	822-100-108	822-150-108	822-200-108	822-150-108	822-200-108
109	BRAKE ASM.	1	822-100-109	822-100-109	822-150-109	822-200-109	822-150-109	822-200-109
35	BRAKE DISC	2	822-100-035	822-100-035	822-150-035	822-200-035	822-150-035	822-200-035
111	GEAR SIDE PLATE	1	822-050-111	822-100-111	822-150-111	822-200-111	822-150-111	822-200-111
112	BRAKE SIDE PLATE	1	822-050-112	822-100-112	822-150-112	822-200-112	822-150-112	822-200-112
110	PAWL ASM.	1	822-100-110	822-100-110	822-150-110	822-200-110	822-150-110	822-200-110
15	HAND CHAIN WHEEL	1	822-100-015	822-100-015	822-150-015	822-200-015	822-150-015	822-200-015
19	HAND WHEEL GUARD	1	N/A	N/A	822-150-019	822-200-019	822-150-019	822-200-019
120	HAND WHEEL COVER	1	822-100-120	822-100-120	822-150-120	822-200-120	822-150-120	822-200-120
121	GEARCASE	1	822-050-121	822-100-121	822-150-121	822-200-121	822-150-121	822-200-121
122	STAYBOLT KIT	1	N/A	N/A	822-150-122	822-200-122	822-150-122	822-200-122
24	GUIDE ROLLER	1	822-100-024	822-100-024	822-150-024	822-200-024	822-150-024	822-200-024
27	HAND CHAIN	F	646-799-300	646-799-300	646-799-300	646-799-300	646-799-300	646-799-300
28	LOAD CHAIN	F	446-005-731	446-005-731	646-801-300	646-800-320	646-801-300	646-800-320
29	LOAD SHEAVE	1	822-050-029	822-100-029	822-150-029	822-200-029	822-150-029	822-200-029
131	STRIPPER ASM.	1	822-100-131	822-100-131	822-150-131	822-200-131	822-150-131	822-200-131
34	PINION WASHER	1	822-100-034	822-100-034	822-150-034	822-200-034	822-150-034	822-200-034
49	SUPPORT PIN	1	822-100-049	822-100-049	822-150-049	822-200-049	822-150-049	822-200-049
150	CONNECTING KIT	1	822-100-150	822-100-150	822-150-150	822-200-150	822-150-150	822-200-150