NOTE:
WEIGHT OF LOAD HANDLING DEVICES ARE PART OF THE LOAD AND MUST BE DEDUCTED FROM THE CAPACITY

1 SHEAVE BLOCK 34 lbs.

ATTENTION!
OVER 3000 LBS USE DOUBLE LINE
1. Make certain the vehicle meets minimum chassis requirements. (These requirements do not guarantee unit stability)
2. Make certain the crane is installed per factory specifications. Contact your local Distributor or the Auto Crane factory if any questions arise.
3. Keep the vehicle in as level a position as possible while loading or unloading.
4. **ALWAYS** set the vehicle emergency brake before beginning crane operations.
5. **ALWAYS** use outriggers from vehicle to the ground during crane operation. Make sure they are firmly positioned on solid footings.
6. All load ratings are based on crane capacity, NOT truck/crane stability.
7. Keep objects and personnel clear of crane path during operation.
8. Keep hoist cable pulled tight at all times.
9. **REMEMBER**, in lifting a heavy load, the weight can create enough tipping momentum to overturn the vehicle.
10. **ALWAYS** keep load as close to ground as possible.
11. Oil gears as required.
12. Periodic adjustment of hoist worm brake may be required (see automatic safety brake drawing in this manual).
13. Hydraulic hoses need to be inspected frequently for signs of deterioration, and be replaced as required.
14. The hoist hook is an important item that an operator should consider and use properly. It should be checked on a daily basis for distortion or cracks.
15. **ALWAYS** store outriggers before road travel.

**WARNING!**
**ALWAYS** operate the crane in compliance with the load capacity chart. **DO NOT USE** the overload shutdown device to determine maximum rated loads, if the crane is equipped with this type of device.
80% of capacity chart permitted

Lifting not permitted in this area

100% of capacity chart permitted (includes truck bed area)

Values with an asterisk denote the use of 2 part line.

Maximum 1 part line is 5500 lb.

1 sheave block 35 lbs.

Line pull 5,500 lbs.
BEFORE operating this vehicle and equipment, you, the operator or maintenance person, must read, understand, and follow the instructions found in this operation and maintenance manual and the operation and maintenance manuals from the manufacturers of major components used on this vehicle or equipment.

WARNINGS
Operate Safely
Do NOT operate crane unless you have been trained in safe operation.
- Read, understand, and follow manual, labels, safety instructions, and your employer’s work rules.
- Make sure guards, safety signs, and safety features are in place and in good condition.
- Read, understand and follow the crane load and work area charts. Do not exceed crane or winch ratings. Keep three wraps of loadline on winch.
- Use crane with truck level on solid surface and with stabilizers properly extended. Reduce loads when operating on uneven ground.
- Keep personnel clear of moving stabilizers.
- Operate crane controls slowly and smoothly.
- Do NOT operate in excessive wind speeds.
- Keep load under boom tip. Do NOT side load boom, drag, or swing loads.
- Stow boom and stabilizers before traveling.
- Follow all inspections and maintenance practices listed in manuals.

Avoid Falling Loads
- Always stop operation before block contacts sheave. (Two-blocking)
- Do not rely on limit switch to stop block.
- If block contacts sheave, lower load by letting out cable. Inspect for damage.

Avoid Falls
- Never use crane to hoist personnel.
- Never ride on boom, hook, load, or any device attached to crane.

Do Not Overload Crane
- Read, understand and follow the crane load and work area charts.
- Do not exceed crane or winch ratings.
- Weight of accessories attached to boom or loadline must be subtracted from the load rating chart or added to the load weight.
- Do not exceed manual boom extension load ratings at reduced boom lengths.

STABILIZERS
Use plates or blocks beneath the stabilizers if they are sinking into the ground. DO NOT use the crane to lift until the stabilizers are properly set up. DO NOT position vehicle near area of uncertain firmness.

1 Measure the height of the workbench from the ground.

2 Extend the rear stabilizer arms (if applicable) completely. If hydraulic, turn on the engine and engage the PTO. The stabilizer hydraulic valves are located inside the crane control cabinet. If the stabilizers are manual, release the locking pin (inside the cabinet) and extend them until they lock into position. You should be able to see the word “Fully Deployed” on the yellow arrow decal on top of the stabilizer arms when the arms are fully extended.

3 Lower the rear stabilizer legs until full ground contact is achieved with the truck leveled such that the weight on the springs is relieved enough to raise the workbench approximately 1” (2.54 cm). Set up both rear stabilizers prior to setting the front stabilizers.

4 Lower the front stabilizer legs. If the front stabilizer legs do not touch the ground with the rear stabilizers as set in step #3, lower the rear stabilizers until the front stabilizers come in firm contact with the ground, the adjust the rear stabilizers until the truck is level.

TASK PERFORMANCE
Before conducting any boom operations, extend both stabilizers and level the crane side to side. Provide blocks if necessary to level the unit on sloping ground or bearing pads if the stabilizers tend to sink into soft terrain or hot asphalt. Some concrete or asphalt surfaces are relatively thin and cannot withstand the stabilizer loading. Concrete can break through and cause instability.

Stability over the front (without front stabilizers) can be hampered by raising the vehicle excessively. Use extreme caution when operating in areas around the truck which are not supported by stabilizers because of cushion of tires and springs. When swinging loads from areas supported by stabilizers, use extreme caution because of potential sudden shifting of the support point. Always keep the load as close to the ground as possible.