

MILLER CURBER CO., LLC

CURB LOADER

Parts & Operators Manual
Manual Part Number 43500-42

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To The Owner

General Comments

Congratulations on the purchase of your new Curb Loader. Your unit was carefully designed and manufactured to give you many years of dependable service. Your Curb Loader will require some minor maintenance to keep it in top working condition. Be sure to observe all maintenance procedures and safety precautions in this manual and safety labels located on the loader and on any equipment on which it is mounted.

About this Manual

Read this manual before using your Curb Loader. This manual has been designed to help you do a better and safer job. Read this manual carefully and become familiar with the operating procedures before attempting to operate your Curb Loader. Remember, never let anyone operate this unit without them having read and completely understanding the "Safety Precautions" and "Operating Instructions".

Service

When servicing your Curb Loader remember to use only original manufacturer replacement parts. Substitute parts may not meet the standards required for safe, dependable operation.

MODEL _____ SERIAL NO. _____

Your parts department needs this information to insure that you receive the correct parts for your specific model of Curb Loader.

Safety Precautions

SAFETY ALERT SYMBOL



This is the "Safety Alert Symbol" used by this industry. This symbol is used to warn of possible injury. Be sure to read all warnings carefully. They are included for your safety and for safety of others working around you.

Signal Words: Note the use of signal words Danger, Warning, and Caution with the safety messages. The appropriate signal word for each has been selected using the following guidelines:

DANGER: Indicates an IMMEDIATE hazardous situation which, if not avoided, may result in death or serious injury.

WARNING: Indicates a POTENTIALLY hazardous situation which, if not avoided, may result in death or serious injury.

CAUTION: Indicates a POTENTIALLY hazardous situation which, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices.

Before operating the skid steer, read the operating and safety instructions provided by the manufacturer. Observe all warnings and caution particularly those which describe the use of seat belts and other operator restraints and those which describe the proper way of carrying loads as close to the ground as possible.

SAFETY PRECAUTIONS

- When using your Curb Loader be sure that the proper weight of the load is not too heavy. A light load sticking out too far can have the same tipping effect on the loader as a heavy load carried too close.
- Never operate the Curb Loader when people are standing by and could be injured.
- Do not obstruct your vision when traveling or working. Carry the Curb Loader low for maximum stability and visibility when traveling.
- Operate at speeds slow enough so that you have complete control at all times. Travel slowly over rough or slippery ground and on hillsides.
- Avoid steep slopes or unstable surfaces. If you must drive on a slope, keep the load low

and proceed with extreme caution. Do not drive across a steep slope under any circumstances. Drive straight up and down the slope.

- Avoid turning on an incline, if at all possible. If it is necessary, use extreme caution and make the turn wide and slow with the Curb loader carried low.

WARNING



IF YOU CANNOT SEE WHERE YOU ARE GOING STOP IMMEDIATELY

- Read and understand this manual and all labels located on this machine before putting this machine into service
- Replace damaged or worn labels only with original equipment labels
- Never operate or perform any maintenance on this machine while under the influence of drugs or alcohol
- Repair only with authentic Miller Curber replacement parts
- Before putting the Curb Loader into operation inspect daily
- Do not start or operate this equipment in an unventilated area. Engine exhaust from the skid-steer loader can cause injury or death if inhaled. Engine exhaust and some of its constituents are known to cause cancer, birth defects and other reproductive harm. Do not operate in a building or other area where there is not adequate ventilation for personnel
- Identify all unprotected openings on the jobsite and do not operate this equipment near these openings
- Identify all overhead structures, electrical wires and door openings on the jobsite. Be sure the truck, skid-steer loader and Curb Loader will safely pass through and under
- When working in an active/in-use roadway or public traffic area, set up safety protection for all employees and equipment as required by local codes. This would include, but is not limited to, traffic cones, flagmen for traffic control and safe access and exit for trucks.

WARNING



**KEEP HANDS CLEAR OF AUGER DURING OPERATION OF THE CURB LOADER.
ROTATING AUGER CONTACT CAN CAUSE INJURY OR DEATH. KEEP AWAY!**

Skid-steer Loader Safety

- Read the entire skid-steer loader operators manual before attempting to use the skid steer loader. This knowledge is necessary for safe operations.
- Follow all skid-steer safety recommendations in the skid-steer manual and on safety labels on the skid-steer loader. Keep them clean and replace them if they become worn and hard to read.

Pre-Operation

General Information

The purpose of this manual is to assist in setting up, operating, and maintaining your Curb Loader. Parts lists and diagrams are located at the back of this manual. The illustrations and data used in this manual were current at the time of printing, however, we reserve the right to redesign and change the Curb Loader as may be necessary without notification.

Preparing the Vehicle

Your skid-steer must be equipped with a universal quick-tach hitch and auxiliary hydraulics. Read your skid-steer operator's manual and know the limitations of your skid-steer loader. It may require the addition of a counterweight kit to ensure that the combined weight of the Curb Loader and the material does not exceed the rated capacity of your skid-steer loader.

An easy formula for calculating weight:

- $\frac{1}{2}$ yard bucket and material = empty bucket weight + 2,000 lbs.
- $\frac{3}{4}$ yard bucket and material = empty bucket weight + 3,000 lbs.

Note: the primary purpose of the Curb Loader is to transfer asphalt or concrete from the Curb Loader to a Miller Curber extrusion machine.

Mounting Instructions

Installation Instructions

After determining the rated capacity of your loader and adding any counterweights kits that are needed you are ready to install your loader.

1. Remove the chutes (optional) and hydraulic hoses from the inside of the curb loader.
2. Remove dust plugs from auger motor.
3. Locate the fittings from the hopper and install them into the motor. Do not allow dirt or contamination to get into the hydraulic system (motor, hoses or fittings).
4. Tighten the fittings into the motor and install the hydraulic hoses provided.
5. Install the Curb Loader by following your skid-steer Operator Manual and attachment. Be sure to lock the bucket to the skid-steer. **NOTE: Keep in mind that the Curb Loaders are manufactured with two universal quick-tach mounts, one on each side of the loader to allow for right or left discharge.**

6. Connect the bucket's hydraulic hoses to the skid-steer auxiliary hydraulics using the quick couplers.

WARNING



To avoid serious personal injury make sure the curb Loader is securely latched to the skid-steer toolbar. Failure to do so could result in separation of the bucket from the skid-steer.

7. After completing the above steps turn the auxiliary hydraulics to the forward position or locking position and the auger should rotate so that the material in the Curb Loader is discharged through the casing at the discharge end of the Curb Loader. If the material runs back up into the Curb Loader instead of discharging, reverse the hoses at the motor end.
8. Install chute(s) (optional) to the discharge end of your Curb Loader.

*Note: do not coat hopper with any petroleum based agent.
Damage to rubber components will occur.*

Clean Up, Removal and Storage

Clean Up Instructions

1. Run the Curb Loader until all concrete, asphalt or material is removed from the hopper.
2. For concrete, with the operator on the skid-steer's operator's seat, and the auger running in reverse, have a second person add water to the discharge end of the Curb Loader.

DANGER



When adding or spraying water do not lean or stand in any position that will allow you to inadvertently fall into loader. It is recommended to use a hose and stand a safe distance away.

3. After most of the concrete or material has been cleaned from the curb loader it should be raised and tilted forward to allow front access of the loader so the second person can spray water into the loader therefore rinsing out any remaining material.

DANGER



- Do not reach hands or any other object into the curb loader while hydraulic hoses are connected to the skid-steer. Severe injury could occur.
4. Tilt the curb loader and lower to the ground. Disconnect hydraulic couplers from the skid-steer and lift the splash guard at the discharge end and clean with water, making sure there is not any concrete or materials between auger and the casing.
 5. Coat the loader with a water based releasing agent. Do not allow any concrete or water sit in loader; damage to the loader and flaking could occur.

Removal and Storage Instructions

Store Unit in dry location

1. Clean Loader thoroughly to insure maximum performance and auger life.
2. On firm level ground, lower the boom arms completely down onto the loader frame
3. Turn off the engine. Move controls several times to relieve pressure in the line, then disconnect quick couplers from the auxiliary hydraulics. *Note: connect quick couplers together to prevent contaminants from entering the loader hydraulic system.*
4. Follow your skid-steer operators manual for detaching (removing) an attachment.
5. Coat bucket with a water based releasing agent.

SPECIFICATIONS

Description	Specification
A. Overall Height.....	27-1/8" (68.90cm)
B. Overall Width.....	23-1/4" (59.06cm)
C. Overall Length.....	75-1/4" (191.14cm)
D. Overall Bucket Length.....	68-1/4" (173.36cm)
E. Weight.....	380 lbs. (173kg)

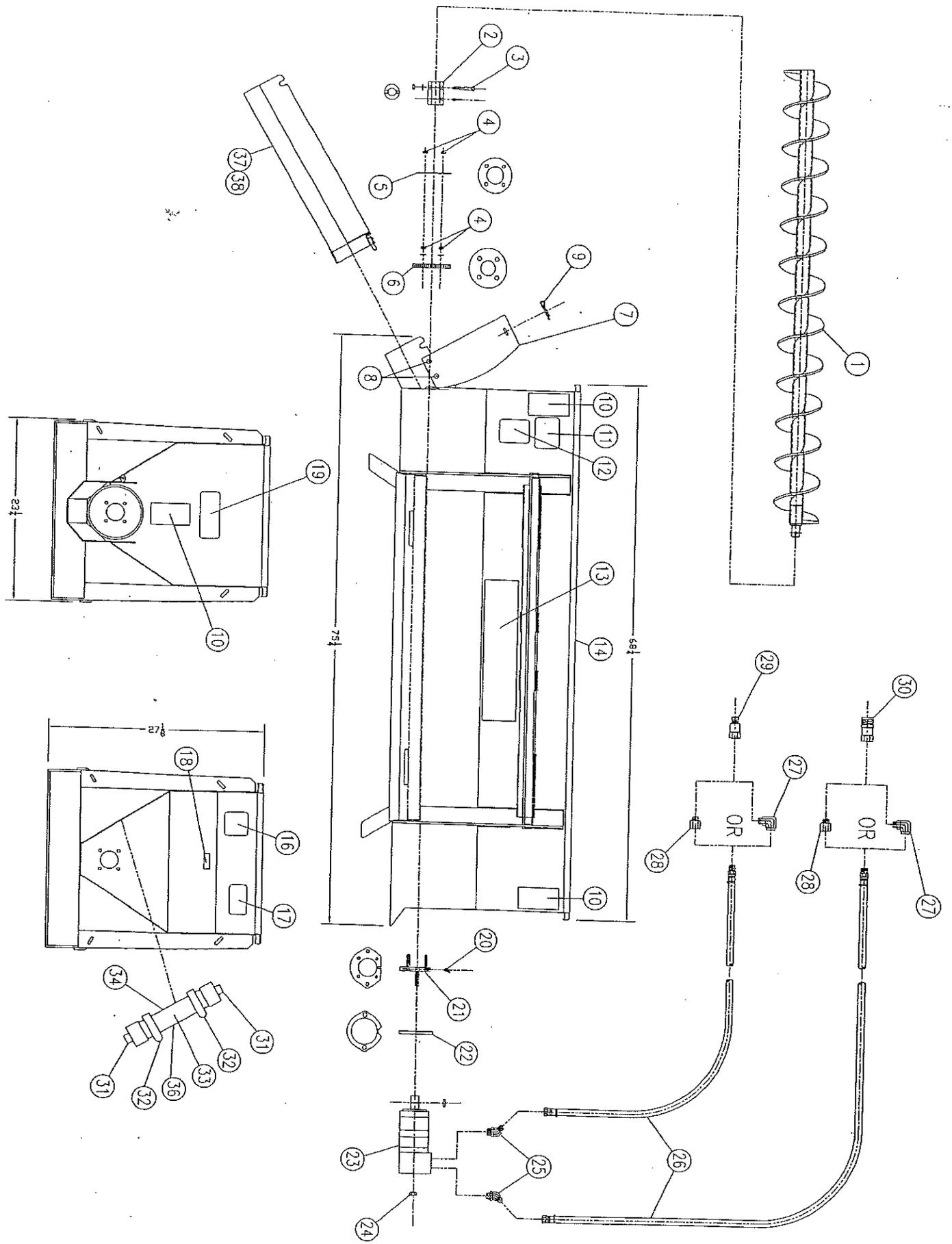
Hydraulic Requirements

At 12 GPM (45 LPM), 2000PSI (138 BAR), Speed 237 R

Curb Loader Specifications

Length.....	59-3/4" (151.77cm)
Diameter with Flighting.....	5-3/4" (19.61cm)
Flighting Spacing.....	5" (12.70cm)

All specifications and designs are subject to change without notice and without liability therefore.



ITEM	PART NO.	QTY	DESCRIPTION
1	43501-01	1	AUGER
2	43500-02	1	COUPLING
3	45018-15	1	SHEAR PIN W/ L.W. HEX NUT
4	HWD REF 43500-14	4	3/8" HEX NUT/ STEEL L'NUT/ SPLIT L'WASHER
5	43500-05	1	RING FLANGE
6	43500-18	1	RUBBER SEAL
7	43500-28	1	RUBBER DISCHARGE COVER
8	43500-27	2	POP RIVETS
9	43500-26	1	HITCH PIN
10	DE0100	5	ROTATING AUGER LABEL
11	43500-37	2	DANGER LABEL
12	43500-38	2	NO RIDERS LABEL
13	45099-08	2	MILLER LOGO LABEL
14	43502-01	1	HOPPER
15	-	-	OPEN
16	43500-39	1	WARNING: HIGH PRESSURE LABEL
17	43500-40	1	WARNING: PREVENT INJURY LABEL
18	43500-41	1	SERIAL NUMBER TAG

ITEM	PART NO.	QTY	DESCRIPTION
19	43500-36	1	ENTANGLEMENT HAZARD LABEL
20	HWD REF 43500-07	1	GREASE FITTING
21	43500-06	1	FLANGE ASSEMBLY
22	43500-11	1	HYDRAULIC MOTOR FLANGE
23	43500-03	1	HYDRAULIC MOTOR
24	HWD REF 43500-15	2	1/2" STEEL L'NUT
25	43500-20	2	45° ELBOW FITTING
26	43500-19	2	HOSE
27	43500-24	2	90° ELBOW FITTING
28	43500-21	2	STRAIGHT FITTING
29	43500-22	1	MALE QUICK DISCONNECT FITTING
30	43500-23	1	FEMALE QUICK DISCONNECT FITTING
31	44108-05	2	MANUAL TUBE CAP
32	44108-06	2	MANUAL TUBE MOUNTING CLAMP
33	43500-42	1	MANUAL
34	44108-01	1	MANUAL TUBE
35	-	-	OPEN
36	42109-19	1	MANUAL TUBE LABEL

ITEM	PART NO.	QTY	DESCRIPTION
37	43503-06	1	24" CHUTE EXTENSION (OPTIONAL)
38	43503-07	1	36" CHUTE EXTENSION (OPTIONAL)