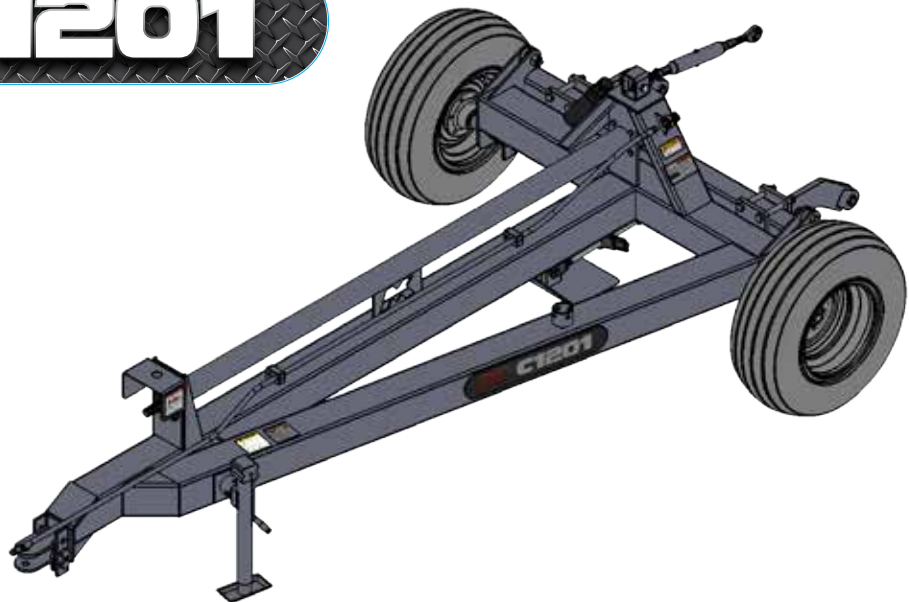


1200 Series Operator's / Parts Manual



MK Martin Enterprise Inc.
3950 Steffler Rd Elmira, ON, Canada N3B 2Z3

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REV: 16-1

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Warranty and Limitations of Liability

All equipment is sold subject to mutual agreement that it is warranted by M K Martin Inc. (Hereafter called the company) to be free of any defects in material and workmanship. The company shall not be liable for special, indirect or consequential damage of any kind under this contract or otherwise. The company's liability shall be limited exclusively to replacement or repair without charge at it's factory or elsewhere, at it's discretion, any materials or defects, which become apparent within one year from the date of purchase. In no event shall M K Martin Enterprise Inc. be liable for special, direct or incidental or consequential damages of any kind. The purchaser by acceptance of the equipment will assume all liability for damage which may result from use or misuse by the operator. The purchaser shall maintain and service the equipment as recommended in the Operator's Manual.

This warranty does not cover **Rental/Commercial or Industrial** use of the equipment. This equipment is rated as agricultural.

For **Rental/Commercial or Industrial** use, Warranty is for defective material and workmanship for a period of 90 days from the date of purchase.

Warranty is null and void unless the Warranty Registration form has been completed and on file at

M K Martin Enterprise Inc
3950 Steffler Rd
Elmira On Ca N3B 2Z3

For your Record

Purchase Date _____

Model # _____

Serial # _____

Please contact your retailer

Manufactured by
M K Martin Enterprise Inc
3950 Steffler Rd
Elmira On Ca N3B 2Z3
Tel: (519)-664-2752
(855)-664-2752
Fax: (519)-664-3695
E-mail: sales@mkmartin.ca

www.mkmartin.ca

M K Martin Enterprise Inc

3950 Steffler Rd

Elmira ON CA N3B 2Z3

Purchaser's warranty protection is valid only when this completed form or a copy of this form is on file at M K Martin Enterprise Inc. By filling out this form the purchaser has acknowledged delivery of equipment and owner's / operator's manual and has accepted the condition of the equipment.

Date of delivery to purchaser -----

Type of Equipment -----

Model # ----- Serial # -----

Retailer's Signature Indicates

- *Equipment was properly assembled as directed by manufacturer*
- *Equipment was tested for functionality and operates properly*
- *Purchaser was instructed in safe and proper operating procedures*
- *Warranty was explained to purchaser*
- *Purchaser was given the operators manual*

Retailer

Signature -----

Company -----

Address -----

Purchaser's signature indicates

- *Acceptance of equipment fully assembled*
- *Received operator's manual*
- *Clearly understands conditions of warranty*
- *Received instructions of safe and proper operation of equipment*

Purchaser

Signature -----

Company -----

Mailing address -----

City ----- Prov/State ----- Postal Code/Zip -----

Available phone number -----

Warranty is valid only when it has been received by manufacturer at address above

Warranty Registration

Please Cut and Return to M K Martin Enterprise Inc

Fold And Tape here

Do not tape all edges or use staples

Fold Here

**Postage
Stamp**

**M K Martin Enterprise Inc
3950 Steffler Rd
Elmira ON CA N3B 2Z3**

Safety

Take Note! This safety symbol is found throughout this manual to call your attention to instructions involving yourself and others working around the machine.

- **Failure to follow these instructions can result in injury or death!**



This symbol means

-- Attention!
-- Become Alert!
-- Your Safety is involved!

Signal words are used in this manual.

Caution: Indicates a potential hazardous situation that may result in injury.

Warning: Indicates a hazardous situation that could result in serious injury or death.

Danger: Indicates a hazardous situation that needs to be avoided. It is you the operator that needs to be aware of these dangers.

If you have any questions not answered in this manual please contact you dealer or

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Safety -- It's in your interest!

Before using this equipment!

Be sure that you know the dangers and safety concerns while operating this equipment!

Understand that your safety and the safety of other persons are measured by how you service and operate this machine.

The safety information given in this manual does not replace safety codes, federal, state or local laws. Make certain your machine has the proper equipment as designed by local laws and regulations.



Warning!

Operator should be a responsible adult. Do not allow persons to operate or assemble this unit until they have developed a thorough understanding of safety precautions and how it works.

Do not attempt to operate this equipment under the influence of drugs or alcohol.

Review the safety instructions with all users annually.

Before unhooking the implement from the towing unit, be sure to properly block the wheels to prevent the implement from moving.

Do not allow anyone to stand between tongue or hitch and towing vehicle when backing up.

Do not exceed the rating of the caddy or load rating of the tires, whichever is less. If it's ability to do a job, or to do so safely is in question-**DON'T TRY IT.**

If equipment has been altered in any way from original design, manufacturer does not accept any liability for injury or warranty.

Do not wear loose-fitting clothing which may catch moving parts.

Always wear protective clothing and substantial shoes.

It is recommended that hearing and eye protection be worn.

Never adjust, service, clean, or lubricate MK caddy until all power is shut off.

Ensure that anybody present is clear before applying power to any machinery used in conjunction with MK caddy.



Safety -- It's in your interest!

Lighting and Marking

It is the responsibility of customer to know lighting and marking requirements of local highway authorities and to install and maintain equipment to provide compliance with regulations. Add extra lights when transporting at night or during periods of limited visibility.

The types of Safety Signs and locations on equipment are shown in illustrations in the Decal Location section of this booklet. Good safety practices require that you familiarize yourself with the various safety signs, the type of warning and the area or particular function related to the area that requires your SAFETY AWARENESS.

REMEMBER If Safety Signs have been damaged, removed, or become illegible, new decals must be applied. New decals are available from your authorized distributor, or dealer.

Inspect all the reflectors and SMV emblem to ensure that they are all visible and in the proper place.

Keep safety signs clean and legible at all times.



Transportation and Highway Operation

Travel Speeds should be such that complete control and machine stability is maintained at all times. Where possible avoid operating near ditches, embankments and holes. Reduce speed when turning, crossing slopes and rough, slick or muddy surfaces.

Comply with state and local laws governing highway safety and movement of farm machinery on public roads.

Check local laws for all highway speed, lighting, and marking requirements.

When towing always have the draw-pin locked and secured, always have the safety chain fastened in the proper position.

When towing equipment without brakes.

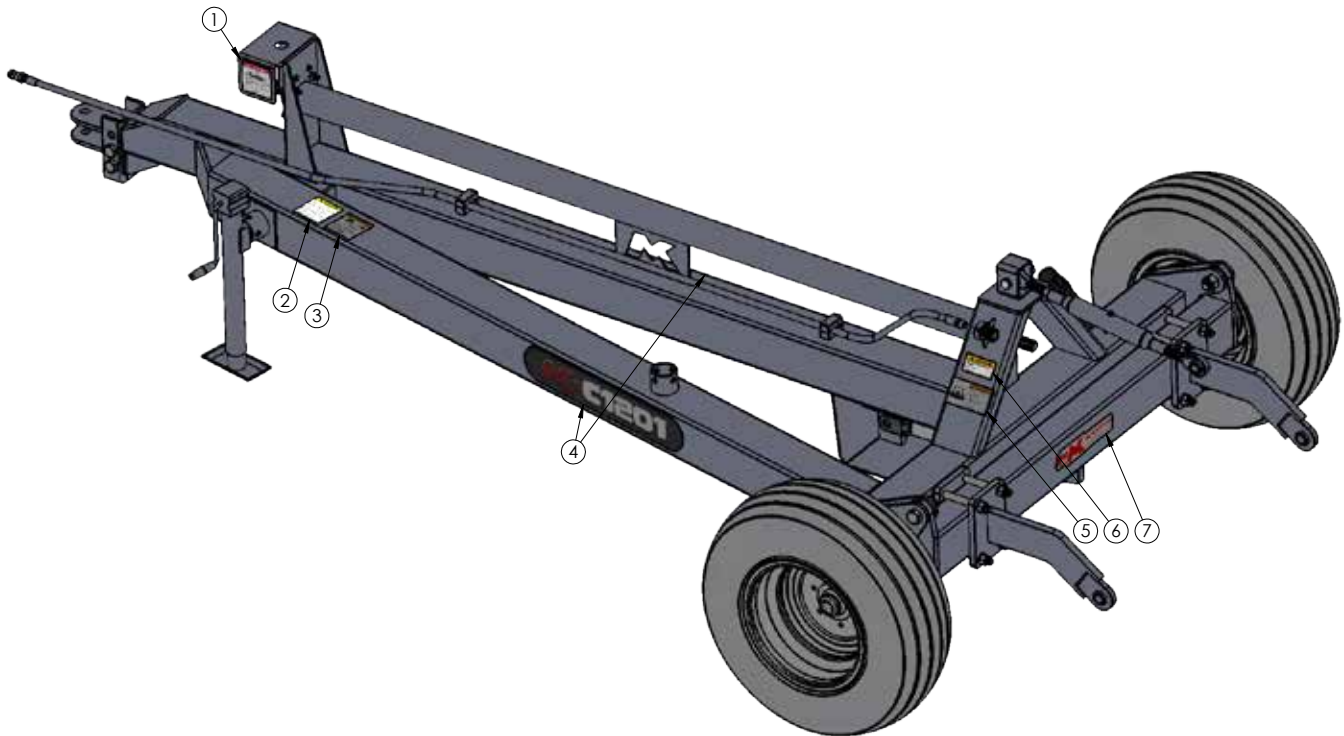
Do Not travel at speeds over 32 km/h (20 mph); or when fully loaded weighs more than 1.5t (3300 lbs) and more than 1 1/2 times the weight of the towing unit.

Watch for obstructions overhead and to the side while in operation.

Be observant of bridge load ratings. Do not cross bridges rated lower than gross weight at which you are operating.

Always operate equipment in a position to provide maximum visibility at all times. Make allowances for increased length and weight of the equipment when making turns, stopping the unit, etc.

Decal Locations



1 - Part # 104



2 - Part # 4



3 - Part # 700



5 - Part # 1



6 - Part # 1004



7 - Part # MKlogomadeinCanada



4 - Part # MKC1200
for Offset Caddy



4 - Part # MKC1201
for Inline Caddy

Assembly Information

Upon Receiving the Caddy

When loading or unloading equipment, customers should take special precautions to ensure strapping and/or forks do not damage equipment. If the purchaser will ship equipment to others unassembled, please ensure that unattached parts and parts boxes are included in the shipment and are properly secured.

FLIP HAZARD, Always unload the Caddy from the left side. The left side has added weight in the beam, and can be identified by standing behind the Caddy and facing toward the front of the Caddy. The additional weight on the left side of the Caddy could cause the mower to flip over if lifted from the lighter right side.

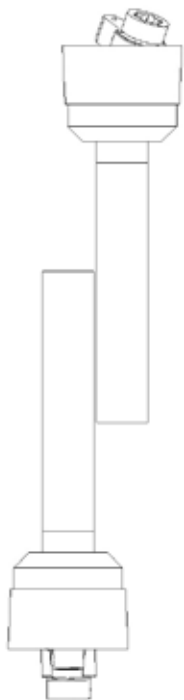
Assembly Instructions

Upon receiving the caddies there might need to be some assembly.

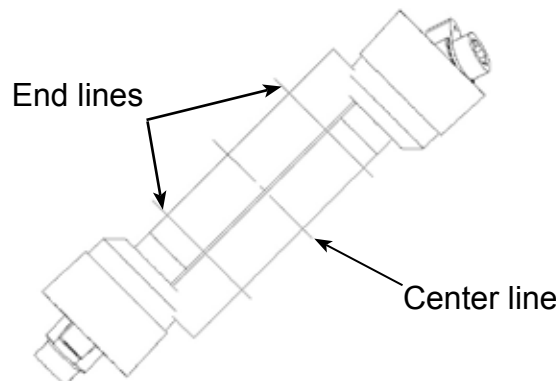
Install hub and spindle into spindle tube and fasten with 1/2 x 3 bolt and locknut.

Mount wheel and torque bolts in a star pattern to 110 ft/lbs

Attach PTO and cut to right length



With the tractor hitched on the draw-bar and turned as sharp as possible, and the shafts pulled apart with one part on the tractor and the other part on the cart drive shaft. Hold the shaft side by side as shown and make a pencil mark as close to the bell shield without interfering with anything. Preferably an inch or two shorter if possible. Make another mark on the other shaft the same distance from the end.



Straighten out the tractor on the cart and now check the marks that you made on the ends of the shaft, they should have at least 10-12 inches between them. This will be the overlap when the tractor is facing straight ahead. If it is less than 10 inches, check with your dealer for further direction.



Before Operation

Practice operation of your equipment and its attachments. Completely familiarize yourself and other operators with its operation before using.

Give unit a visual inspection for any loose bolts, worn parts, or cracked welds, and make necessary repairs.

Assure that agricultural implement tires are inflated evenly.

Be sure there are no tools lying on or in equipment.



During Operating

Warning: Beware of bystanders, particularly children! Always look around to make sure that it is safe to start the engine of the towing vehicle or move the unit. This is particularly important with higher noise levels and quiet cabs, as you may not hear people shouting.

Do not walk or work under raised components or attachments unless securely positioned and blocked.

Keep all bystanders, pet, and livestock clear of the work area.

Operate the towing vehicle from the operator's seat only.

Always turn off towing vehicle when leaving the operator seat and when leaving equipment unattended.

Make sure that everyone is clear of equipment before applying power or moving the machine.

Never allow bystanders to stand alongside of unit with engine running or attempt to start engine and/or operate machine while standing alongside of unit.

Choose the most level route possible when transporting across fields.

Comply with state and local laws governing highway safety and movement of farm machinery on public roads.

Comply with all safety warnings and cautions in this manual and any machinery manuals used in conjunction with MK caddy.

Warning; Be sure all lights are working properly before highway travel.

As a precaution, always recheck the hardware on equipment following every 100 hours of operation. Correct all problems. follow the maintenance, safety, procedures.

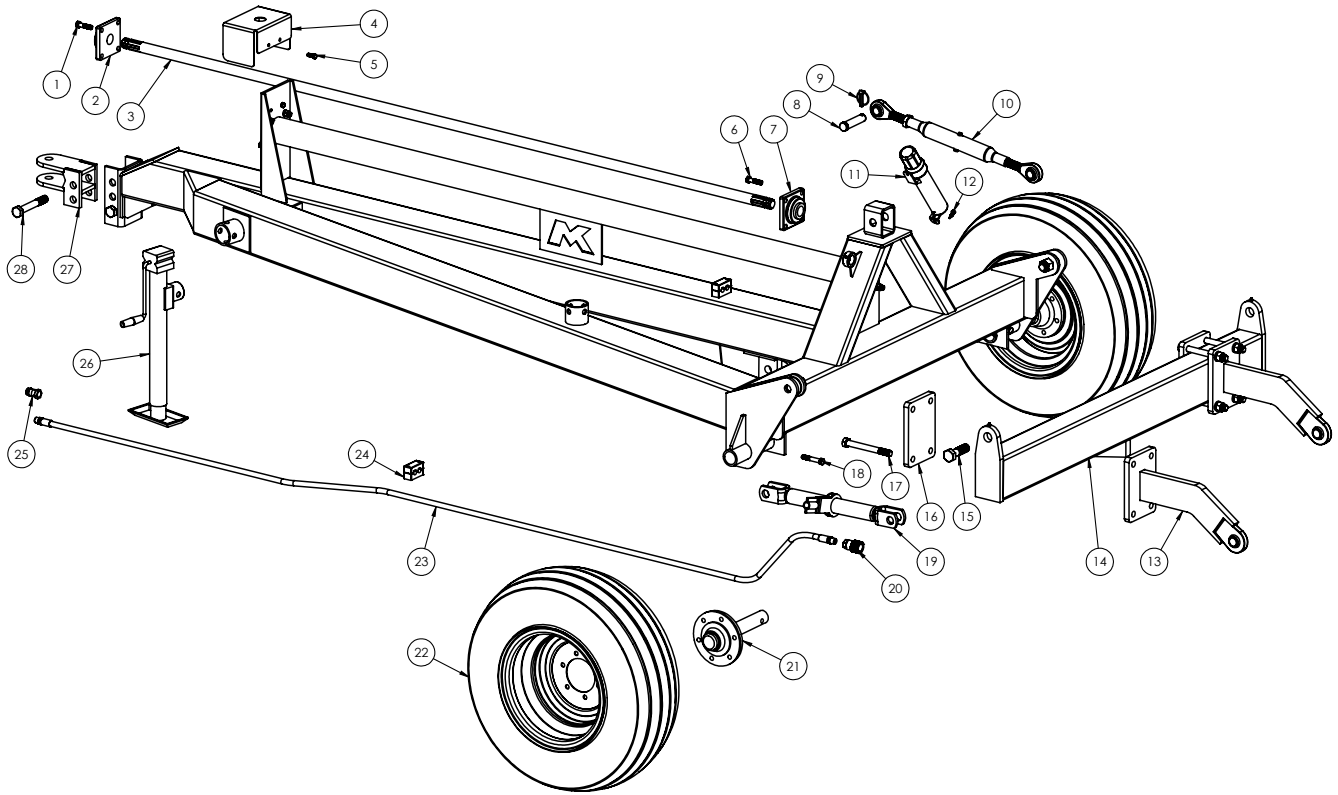
Sign Off Form

M K Martin Enterprise Inc. follows the general Safety Standards specified by the American Society of Agricultural Engineers (ASAE) and the Occupational Health and Safety Administration (OSHA). Anyone who will be operating and/or maintaining the equipment must read and clearly understand ALL Safety Operating and Maintenance presented in this manual. Do not operate or allow anyone else to operate this equipment until such information has been reviewed. Annually review this information before the season start-up. Make these reviews of SAFETY and OPERATION annually as a standard practice for all your equipment. We feel that an untrained operator is unqualified to operate this machine. A sign-off sheet is provided for your record keeping to show that all personnel who will be working with the equipment have read and understood the information in the operator's manual and have been instructed in the operation of the equipment.

[illegible]

NOTES

Inline Caddy Parts

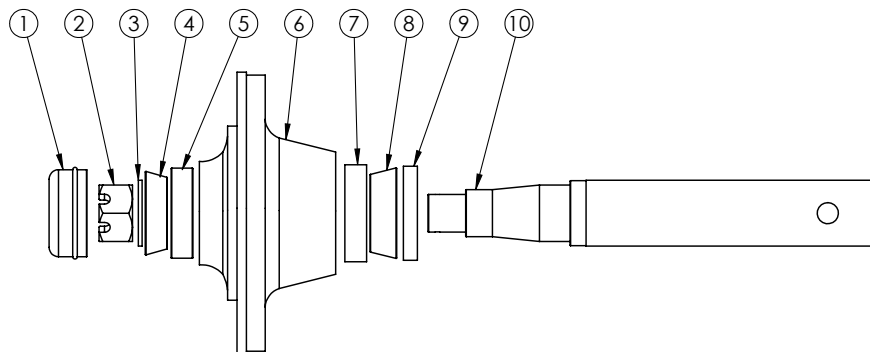


Item #	Part #	Description	Qty
1	OL	Bolt 1/2 x 2 c/w lw,n	4
2	53632	Bearing	1
3	35572	Drive shaft	1
4	35525	PTO shield	1
5	OL	Bolt 3/8 x 1 c/w lw,n	2
6	OL	Bolt 1/2 x 2 c/w lw,n	4
7	53632	Bearing	1
8	53633	Cat # 2 pin	1
9	OL	Lynch pin	1
10	53634	Top link	1
11	52649	Manual tube	1
12	OL	Bolt 1/4 x 1 self drilling screw	2
13	35531	Lower lift arm	2
14	35532	Lift beam	1
15	OL	Bolt 1 x 3 c/w fw,ln	2

Inline Caddy Parts

Item #	Part #	Description	Qty
16	35507	Clamp plate	2
17	OL	Bolt 3/4 x 7 c/w lw,n	8
18	OL	Bolt 1/2 x 3 c/w ln	2
19	53635	Ratchet jack	1
20	53636	Pioneer coupler	1
21		See page # 13	2
22	53639	Tire and rim	2
23	35577	Hyd. hose	1
24	53640	Hose clamp	2
25	53641	Ball nipple	1
26	53642	Jack	1
27	35529	Clevis hitch	1
28	OL	Bolt 7/8 x 6 c/w ln	2

Hub and Spindle

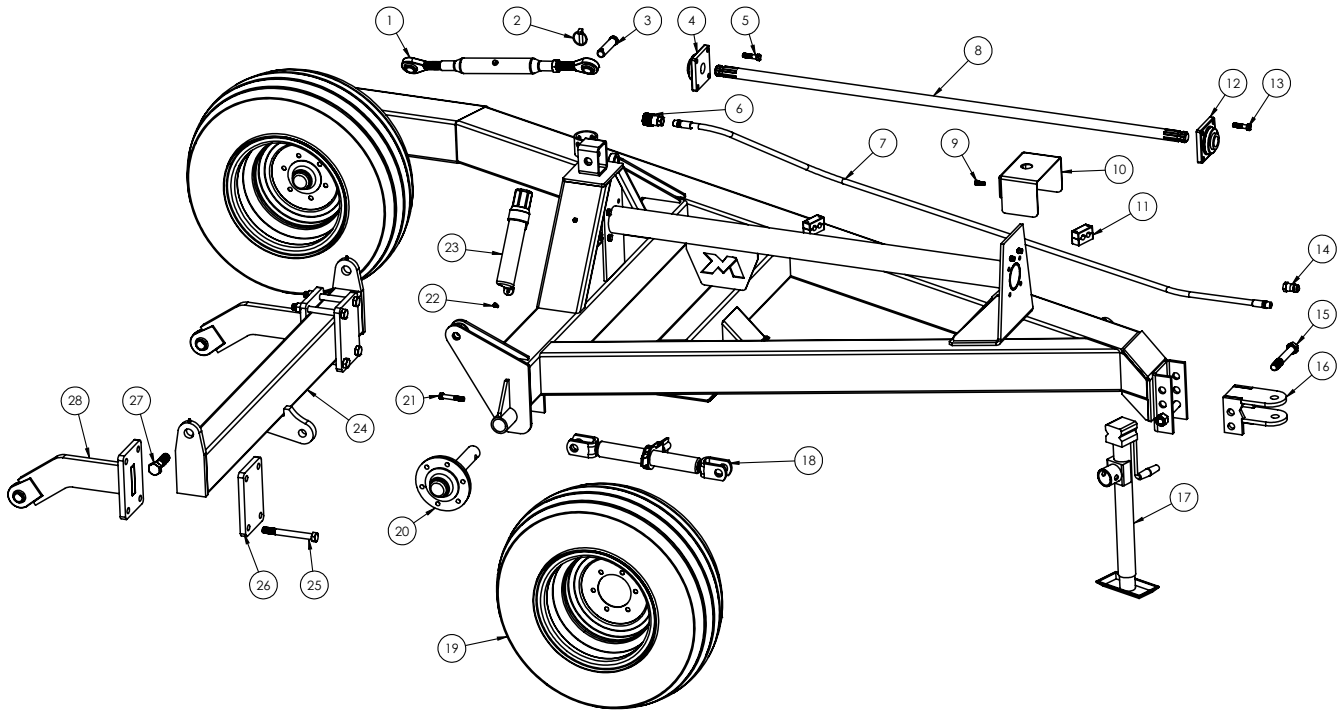


Item #	Part #	Description	Qty
1	53643	Dust cap	1
2	53644	Castle nut	1
3	53645	Washer	1
4	53646	Small bearing	1
5	53647	Small bearing race	1
6	53648	Hub	1
7	53649	Large bearing race	1
8	53650	Large bearing	1
9	53651	Bearing seal	1
10	53652	Spindle	1

Note

OL - Obtain Locally
 c/w - Complete With
 fw - Flatwasher
 lw - Lockwasher
 ln - Locknut
 n - Nut

Offset Caddy Parts

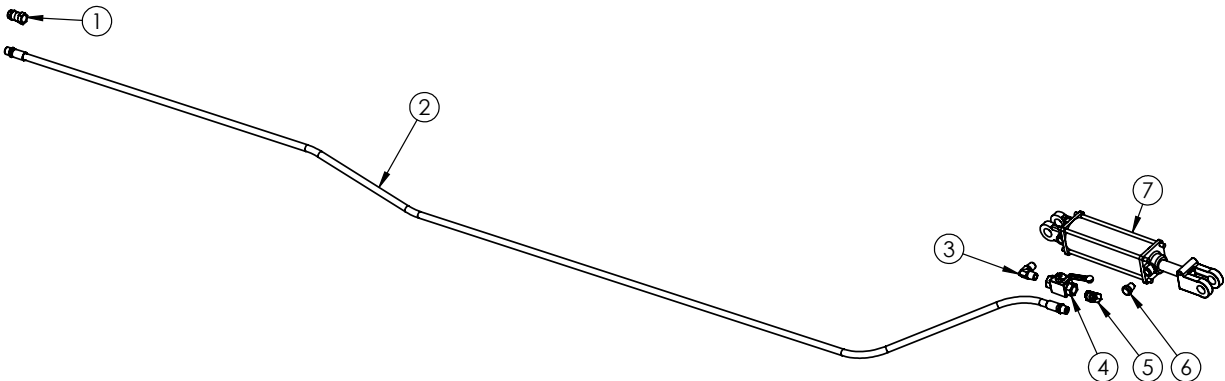


Item #	Part #	Description	Qty
1	53634	Top link	1
2	OL	Lynch pin	1
3	53633	Cat # 2 pin	1
4	53632	Bearing	1
5	OL	Bolt 1/2 x 2 c/w lw,n	4
6	53636	Pioneer coupler	1
7	35578	Hyd. hose	1
8	35568	Drive shaft	1
9	OL	Bolt 3/8 x 1 c/w lw,n	2
10	35525	PTO shield	1
11	53640	Hose clamp	2
12	53632	Bearing	1
13	OL	Bolt 1/2 x 2 c/w lw,n	4
14	53641	Ball nipple	1
15	OL	Bolt 7/8 x 6 c/w ln	2

Offset Caddy Parts

Item #	Part #	Description	Qty
16	35529	Clevis hitch	1
17	53642	Jack	1
18	53635	Ratchet jack	1
19	53639	Tire and rim	2
20		See page # 13	2
21	OL	Bolt 1/2 x 3 c/w ln	2
22	OL	Bolt 1/4 x 1 self drilling screw	2
23	52649	Manual tube	1
24	35575	Lift beam	1
25	OL	Bolt 3/4 x 7 c/w lw,n	8
26	35507	Clamp plate	2
27	OL	Bolt 1 x 3 c/w fw,ln	2
28	35531	Lower lift arm	2

Hyd. Lift Cylinder



Item #	Part #	Description	Qty
1	53641	Pioneer end	1
2	35577	Hyd. hose	1
3	5500-0808	Hyd. adapter	1
4	53654	Ball valve	1
5	1501-0808	Hyd. adapter	1
6	53653	Breather plug	1
7	53655	Cylinder 3 x 8	1

Note

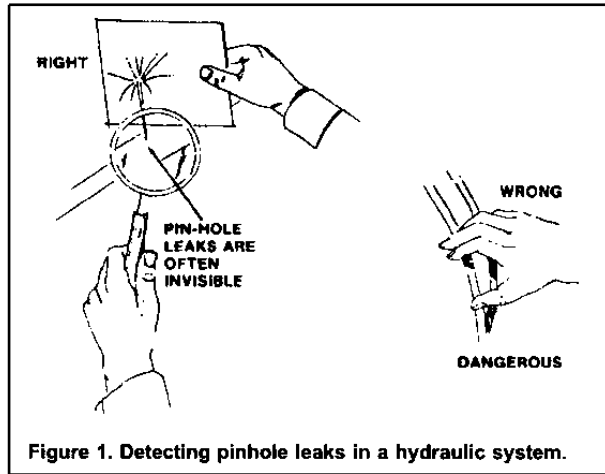
OL - Obtain Locally
c/w - Complete With
fw - Flatwasher
lw - Lockwasher
ln - Locknut
n - Nut

Hydraulic Leak Test



Warning! Do not check for high pressure leaks with your hands or fingers. Use a piece of cardboard or a thin piece of wood to detect the leak.

A high pressure stream of fluid from a pin hole can penetrate the skin and inject hydraulic fluid into your blood veins.



If the skin has been penetrated get medical attention immediately!



Hydraulic lines may have high pressure fluid in the lines, even when the lines are disconnected.

Remember a small leak at high pressure may be invisible yet can penetrate the skin. If this happens get medical attention immediately, serious infection or toxic reaction can develop when hydraulic fluid pierces the skin.

Use caution when working with hydraulic components. Ensure there are no leaks, all fittings are tight and all components are in good repair.



Use a piece of wood or cardboard as a backstop when searching for leaks, **NEVER** your hand or fingers.



Always relieve pressure before disconnecting or working on hydraulic system.

Maintenance

Good maintenance is your responsibility. Poor maintenance is an invitation for trouble.

Occasionally grease the Lift Beam to allow it to operate freely.

Check for missing paint and scratches, prime and paint to keep the metal from rusting.

Replace any caution, warning, danger or instruction safety decal that is not readable or is missing.

Inspect wiring and Hoses for cracks or worn spots, repair as needed.

Inspect lights, ensure they are all working and in good condition.

Always use safety support and block wheels. Never use a jack to support machine.

For the implement attached use their recommended maintenance schedule.

Bolt Torque

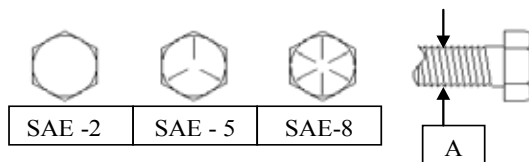
As used on this equipment

Bolt torque table shown below gives torque values for the various bolts used.
This chart is for non-lubricated threads.
Replace with the same strength bolt.

Torque Specifications. Torque values are identified by their head markings

Diameter	SAE 2		SAE 5		SAE 8	
"A"	Lb-ft	N.m	Lb-ft	N.m	Lb-ft	N.m
1/4	6	(8)	9	(12)	12	(17)
5/16	10	(13)	19	(25)	27	(36)
3/8	20	(27)	33	(45)	45	(63)
7/16	30	(41)	53	(72)	75	(100)
1/2	45	(61)	80	(110)	115	(155)
5/8	95	(128)	160	(215)	220	(305)
3/4	165	(225)	290	(390)	400	(540)
1	225	(345)	630	(850)	970	(1320)

Allen head cap screws are similar to SAE 8 quality.



These torques are for a reference only. Not all these sizes and grades are necessarily used in this machine. Bolts that are used as a pivot or hinge have to be used with a locknut, therefore only tighten enough to secure the bolt and still allowing the part to rotate freely.

NOTES



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