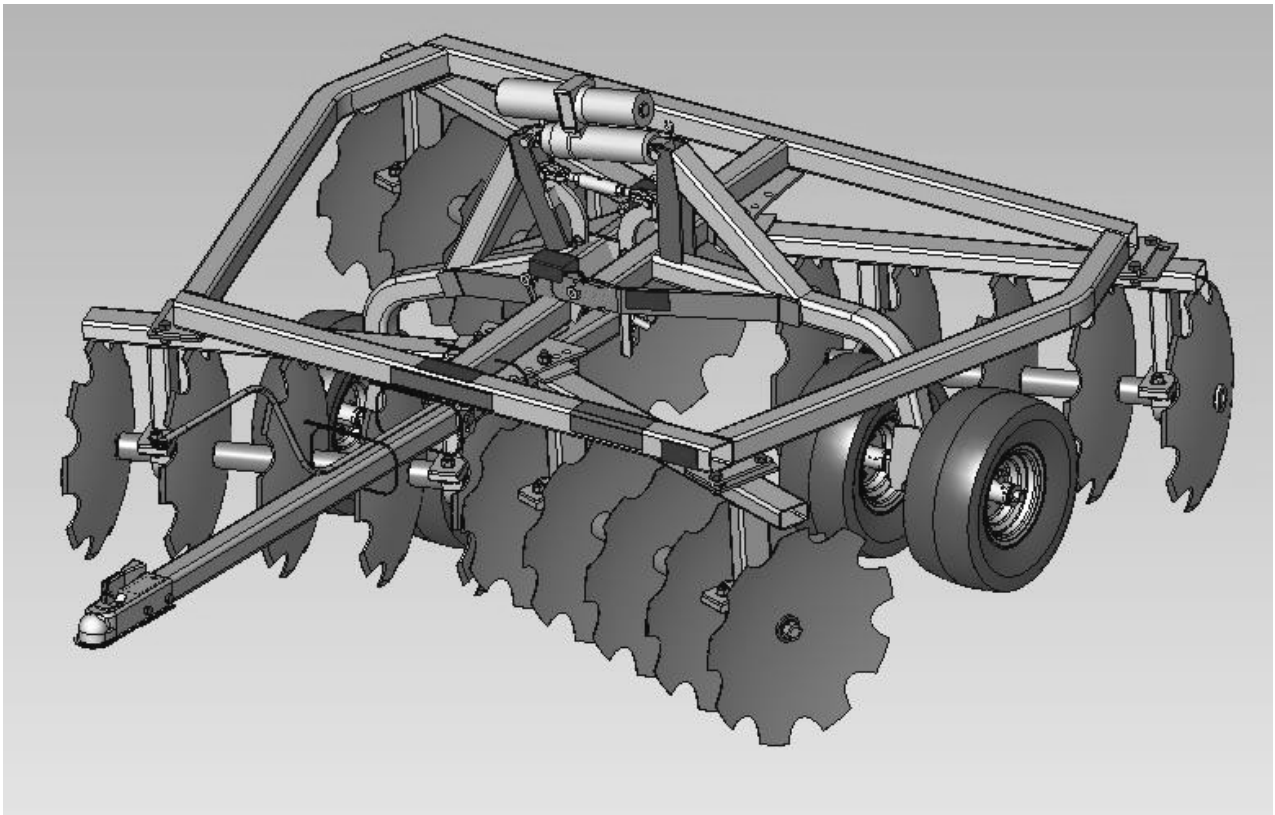


Assembly/Operators/Parts Manual

English Language Version 09

Printed: May 2009



 **READ & SAVE THIS MANUAL**

QUADIVATOR INC.
1000 6th Ave. NE
Portage La Prairie, MB
Canada, R1N 3C5
www.quadivator.com

Part #: 86358

QUADIVATOR WARRANTY POLICY

The warranty for the Quadivator Product is a limited warranty.

The manufacturer's warranty to the original customer is - the product is free from defects in materials and workmanship for a period of one (1) year from the date of purchase by the original purchaser.

We will repair or replace, at our discretion, parts found to be defective due to materials and workmanship.

The warranty is subject to the following limitations and exclusions:

- 1. Engine Warranty** - all engines utilized on our products have a separate warranty extended to them by the engine manufacturer. Any engine service difficulty is the responsibility of the engine manufacturer and in no way is Quadivator Inc. or its agents responsible for the engine warranty. The Briggs & Stratton Engine Service Hot Line is 1-800-233-3723.
- 2. Commercial Use** - the warranty period for any product used for commercial or rental use is limited to ninety (90) days from the date of original purchase.
- 3. Limitations** - the warranty applies only to products which have been properly assembled, adjusted and operated in accordance with the instructions contained in this manual. The warranty does not apply to any product of Quadivator Inc. that has been subject to alteration, misuse, abuse, improper assembly or installation, shipping damage or normal wear of the product.
- 4. Exclusions** - excluded from this warranty are normal wear, normal adjustments and normal maintenance.

In the event you have a claim under this warranty, you must return the product to an authorized service dealer. All transportation charges, damage or loss incurred during transportation of parts submitted for replacement or repair under this warranty shall be borne by the purchaser. Should you have any questions concerning this warranty, please contact us toll-free at 1-866 770-2169 or on our web-site at www.quadivator.com. The model, serial numbers, date of purchase and the name of the authorized Quadivator dealer from whom you purchased the Quadivator Product will be needed before any warranty claim can be processed.

This warranty does not apply to any incidental or consequential damages and any implied warranties are limited to the same time periods stated for all expressed warranties. Some provinces and states do not allow the limitation of consequential damages or limitations on how long an implied warranty may last, so the above limitations may not apply to you. This warranty gives you specific legal rights and you may have other rights, which vary from province to province or state to state.

This is a limited warranty as defined by the Magnusson-Moss Act of 1975.

FOREWORD

Congratulations on the purchase of your new Quadivator UTV Tandem Disk. To obtain the best use of your Quadivator UTV Tandem Disk, read this manual *carefully*. It will help you become familiar with the operation and maintenance of the Quadivator UTV Tandem Disk. It is Quadivator Policy to use all research, design and manufacturing improvements to improve our products. At the time of printing, this may result in some of the minor parts in the manual becoming outdated.

Quadivator will have the most up to date parts and service information – call 1 866 770-2169 for service information and parts orders!

Contact Information

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SAFETY FIRST

This symbol, the industry's “*Safety Alert Symbol*”, is used throughout this manual and on labels on the unit itself to warn the possibility of personal injury.

Read these instructions carefully.

It is essential that you read the instructions and safety regulations before you attempt to assemble or use this unit.



DANGER

Indicates an imminent hazardous situation, which if not avoided, will result in death or serious injury.



WARNING

Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.



CAUTION

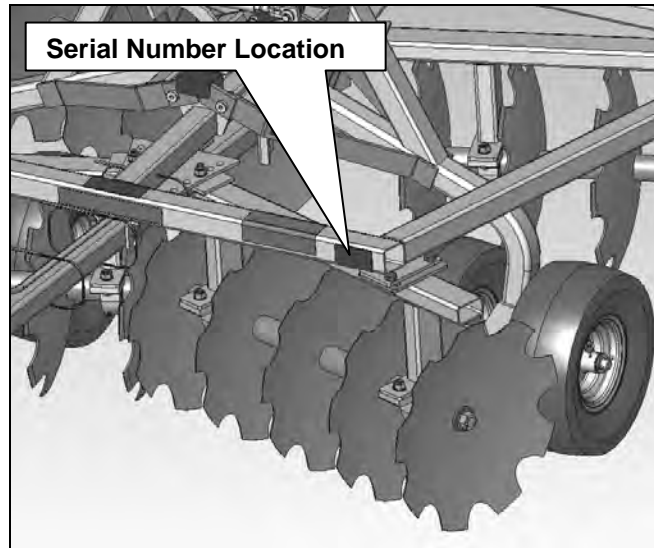
Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.

NOTE

A NOTE provides key information to make procedures easier or clearer.

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PRE- DELIVERY CHECKLIST

Check off all items as they are found satisfactory or after adjustments are made:

- All safety shields and guard are securely in place.
- All decals are in place and readable.
- Tighten all hardware – see Bolt Torque Chart in Service Section (page 9).
- Check tire inflation pressure and set to 30 psi.
- Operate the UTV product for 5 – 10 minutes, check for excessive operation or unusual noise, when using the Quadivator and attachment(s).

- The Quadivator UTV Tandem Disk and customer ordered attachments have been tested and to the best of my knowledge, is ready to be delivered to the customer!

Date Pre-delivered –

Signature –

OWNER'S REGISTRATION

Name –

Address –

City/Town –

State/Prov. –

Postal/Zip (Mail) Code -

Model & Serial # –

Date Sold –

DELIVERY Checklist – Review with customer:

- Tell the customer not to remove any of the safety shields or guards.
- Review the Quadivator Warranty.
- Review the Safe Operation and Service of the Quadivator Attachment.
- Review the Daily and Periodic Lubrication and Maintenance.
- Review the Daily and Periodic Inspections.
- Review with the customer the Parts & Service Availability.

Prior to delivery to the customer, do the following:

- Record Serial Numbers for the Quadivator Products
- Sign and copy this section for the dealer's record.
- Give the customer the Operators Manual and encourage the customer to read the manual.

Date Delivered –**Signature –**

Safe Operation



DANGER

Failure to observe the following safety instructions could result in serious injury and or death.

General Operation

1. Read, understand, and follow all instructions on the machine and in the manual(s) before starting.
2. Do not put hands or feet near rotating parts or under the machine.
3. Allow only responsible adults, who are familiar with the instructions, to operate this machine.
4. Be thoroughly familiar with the controls and the proper use of the equipment. Know how to stop the unit and disengage the controls quickly.
5. Be sure the area is clear of bystanders before operating. Stop machine if anyone enters the area.
6. NEVER CARRY PASSENGERS while operating any attachments.
7. Disengage the clutch on the UTV or compact tractor and shift into neutral before starting or attaching the UTV attachment. Always look down and behind before and while backing up.
8. Handle fuel with care, it is highly flammable:
 - (a) Use an approved fuel container.
 - (b) Never add fuel to a running engine or hot engine.
 - (c) Fill fuel tank outdoors with extreme care. Never fill fuel tanks indoors.
 - (d) Replace gasoline cap securely and wipe up spilled fuel.
9. Do not operate machine without the guards and other safety devices in place and working.
10. Do not wear loose clothing or jewelry.
11. Slow down unit before turning.
12. NEVER leave a running machine unattended. Always turn off unit, secure parking brake, stop engine and remove key before dismounting.

13. Shut off engine and wait for all parts to come to a complete stop before cleaning, servicing and/or unplugging the machine.

14. Operate machine in daylight or good artificial light.

15. Do not operate machine while under the influence of alcohol, medication or drugs.

16. Watch for traffic when operating near or crossing roadways. **This implement is for off road use only!**

17. Use extra care when loading or unloading the machine on to a trailer or truck.

18. Always wear eye protection when operating or servicing machine.

19. Do not run UTV or compact tractor engine indoors, except when starting. Open the outside doors: *Exhaust Fumes ARE Dangerous!*

20. Maximum transport speed with the implement is 20 mph [32 km/h].

Slope Operation

1. Slopes are a major factor related to loss of control and tip-over accidents, which can result in severe injury or death.
2. Operation on all slopes requires extra caution. Do not use the attachment, if you cannot back up the slope or if you feel uneasy on it.
3. Go up and down slopes, not across.
4. Watch for holes, ruts, bumps, rocks, or other hidden objects. Uneven terrain could overturn the machine. Tall grass can hide obstacles.
5. Choose a low ground speed so you will not have to stop or shift while on a slope.
6. Do not work on wet grass. Tires may lose traction.
7. Always keep the UTV or compact tractor in gear when going down slopes. Do not shift to neutral and coast downhill.
8. Avoid starting, stopping, or turning on a slope. If the tires lose traction, raise the attachment and SLOWLY proceed straight down the slope.

9. Keep all movement on slopes slow and gradual. Do not make sudden changes in speed or direction, which could cause the machine to roll over.
10. Use extra care while operating machine with additional or other attachments; they can affect the stability of the machine. Do not use on steep slopes.
11. Do not try to stabilize the machine by putting your foot [or feet] on the ground.
12. Do not work near drop-offs, ditches or embankments. The machine could suddenly roll over if a wheel goes over the edge or if the edge caves in.

Children



WARNING:

Tragic accidents can occur if the operator is not alert to the presence of children. Children are often attracted to the machine and the attachment. Never assume that children will remain there - the last time you saw them.

1. Keep children out of the working area and under the watchful care of a responsible adult - other than the operator.
2. Be alert and turn machine off if a child enters the area.
3. Before and while backing, look behind and down for small children.
4. Never carry children, even with the attachment shut off. They may fall off and be seriously injured or interfere with safe machine operation. Children who have been given rides in the past may suddenly appear around the unit for another ride and be run over or backed over by the machine.
5. Never allow children to operate the machine!
6. Use extreme care when approaching blind corners, shrubs, trees, or other objects that may block your view of a child.

Towing

1. Tow only with a machine having a hitch designed for towing. Do not attach towed equipment except at the hitch point.
2. Follow the manufacturer's recommendation for weight limits for towed equipment and towing on slopes.
3. Never allow children or others in or on towed equipment.
4. On slopes, the weight of the towed equipment may cause loss of traction and loss of control.
5. Travel slowly and allow extra distance for stopping.
6. **Never tow this implement on a public roadway.**

General Service

1. Keep all nuts and bolts tight to be sure the equipment is in safe working condition.
2. Never tamper with safety devices. Check their proper operation regularly.
3. Keep machine free of grass, and other debris build-up.
4. If you strike a foreign object, stop and inspect the machine. Repair, if necessary, before restarting.
5. Never operate the machine at high transport speed and use care when backing up.
6. Maintain or replace safety and instruction labels, as necessary.
7. Use only attachments and accessories approved by the manufacturer.

Maintenance

1. Maintain or replace safety and instruction labels as necessary.
2. Never tamper with safety devices and check their operation regularly.

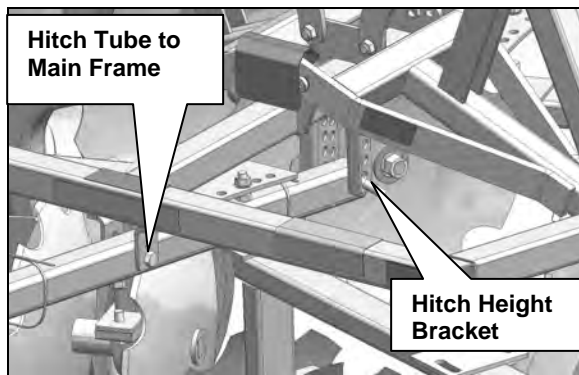
Setup

NOTE: RIGHT and LEFT hand sides are determined by the forward travel of unit.

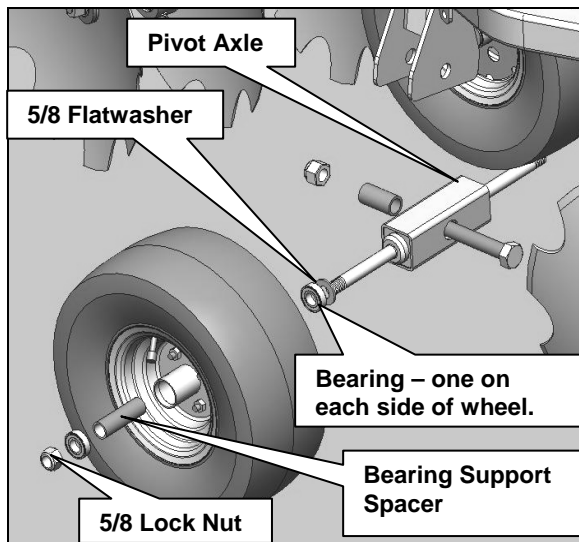
1. Uncrate unit, remove assemblies and place around the main frame. Make sure surface is level for assembling the tandem disk.

2. Place equal sized support stands (18 - 24 inches high) at each corner of the main frame. This allows easy access for installing the hitch tube, wheel legs and related assemblies

3. Install hitch tube. Secure at midpoint to main frame with 1/2 x 3-1/2 hex head bolt and nylon lock nut. Secure hitch tube to hitch height bracket on main frame using one bent pin with clip.



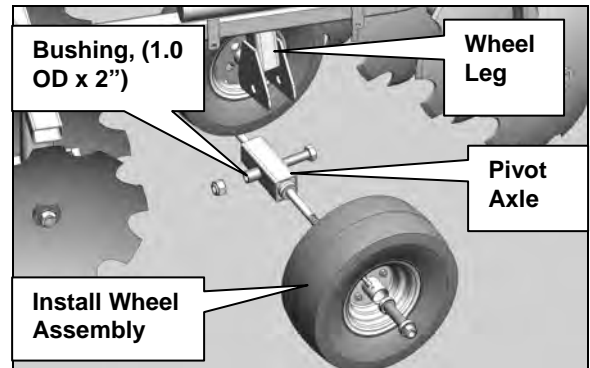
4. Assemble wheels to axles. Clean axle shafts and inside each wheel before installation. Refer to the Figure below. Secure the wheel to the pivot axle with a 5/8 locknut.



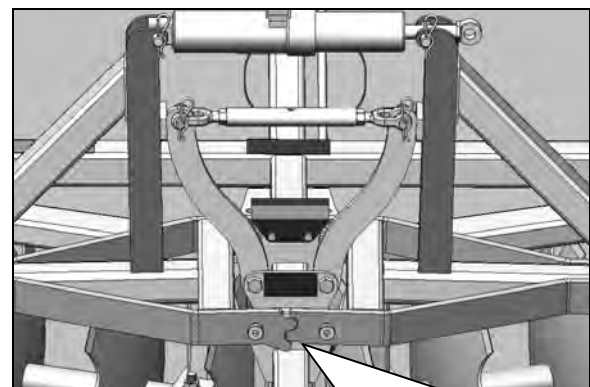
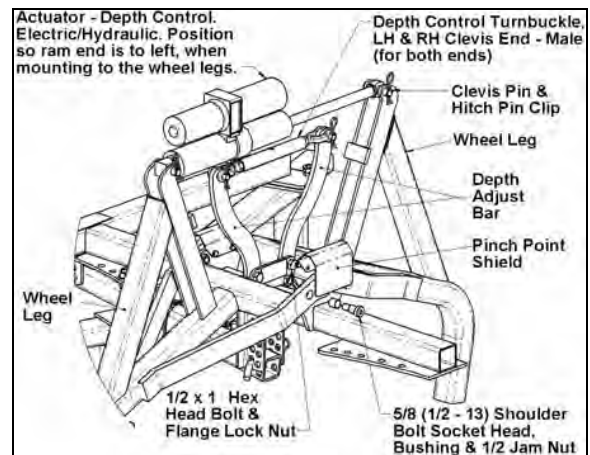
5. Install axle assembly to each wheel leg using one bushing (1.0" OD x 2"), one 3/4" x 4" hex

head bolt and 3/4" nylon locknut. Make the sure axle assembly pivots in the wheel leg.

NOTE: Two persons are required to assemble and secure the wheel legs to main frame.



6. Install each wheel leg to the main frame. Align wheel legs and make sure the teeth mesh, refer to Figure below. Insert 5/8x5/8 bushing into bolt holes. Secure with socket head bolt, flatwasher (between the main frame and wheel leg) and 1/2 flange lock nut. Raise and lower the wheel legs to make sure they move up and down freely.

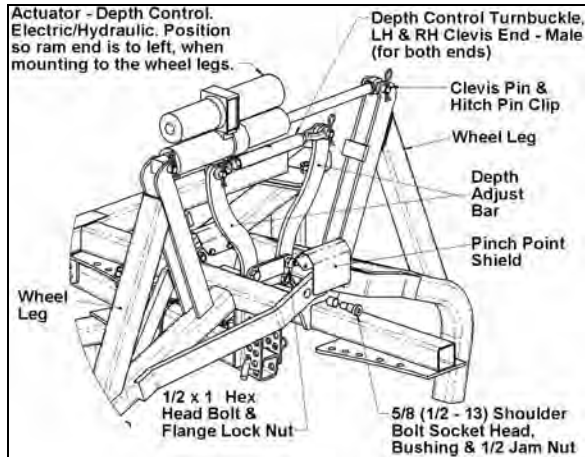


Teeth must mesh and synchronize - when wheel legs are mounted and secured to frame. Secure wheel legs to the tandem disk frame.

7. Secure depth adjust bars in front of the center bracket of main frame using $\frac{1}{2}$ x 1 hex bolt and flange lock nut.

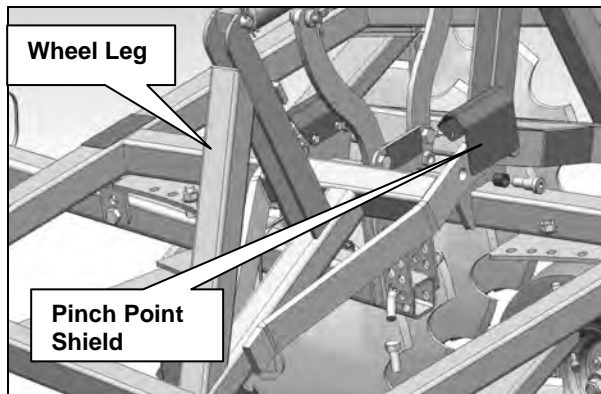
8. Assemble depth control turnbuckle with left hand and right hand clevis ends. Each clevis end is threaded to fit to the proper end.

9. Secure depth control turnbuckle to depth adjust bar using 7/16 pins and hitch pin clips.



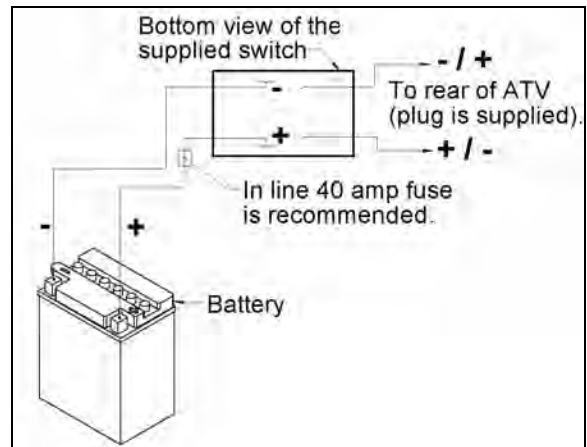
10. Position actuator (ram end on left hand side) to holes on top of the wheel legs. Secure using 5/8 pins and hitch pin clips.

11. Secure each pinch point shield (one each for the front and rear) over the meshed gear teeth of the wheel legs with two $\frac{1}{4}$ hex head bolts.



12. Route electrical wiring from actuator along main frame and hitch frame to the front hitch coupler. Route away from pinch points and moving parts that could catch the wiring. Secure with tiestraps.

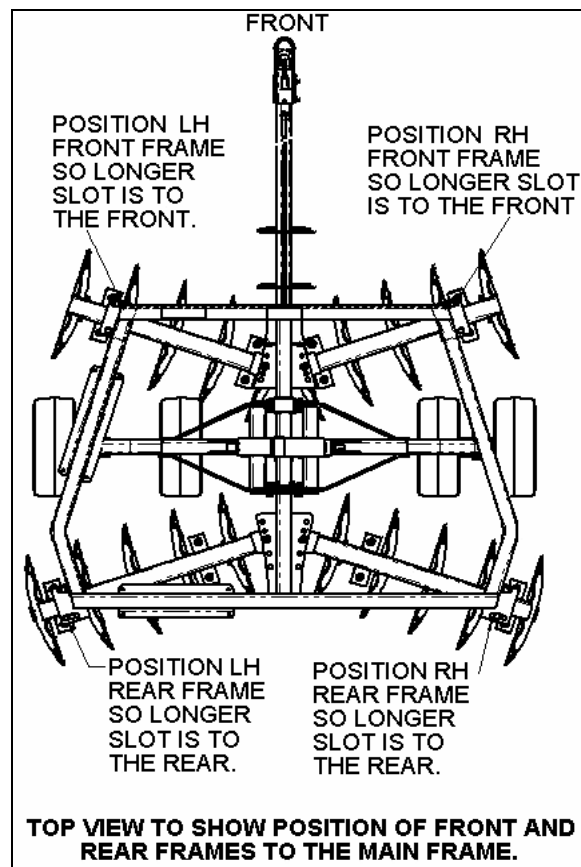
13. Mount the supplied switch to a convenient location on the UTV or compact tractor. Check the battery to ensure which is the positive (+) pole and negative (-) pole.



14. The disk mount frames are different for the left front, right front, left rear and right rear. Refer to the Figure – Top View To Show position of Front and Rear Frames To The Main Frame for the correct mounting of disk frames to the main frame. This includes the correct mounting and position of the disks to each mount frame.

NOTE: Do not tighten until all disk assemblies are installed.

15. Install disk mount frames to main frame using $\frac{1}{2}$ x 1- $\frac{1}{4}$ hex head bolts and flange lock nuts.

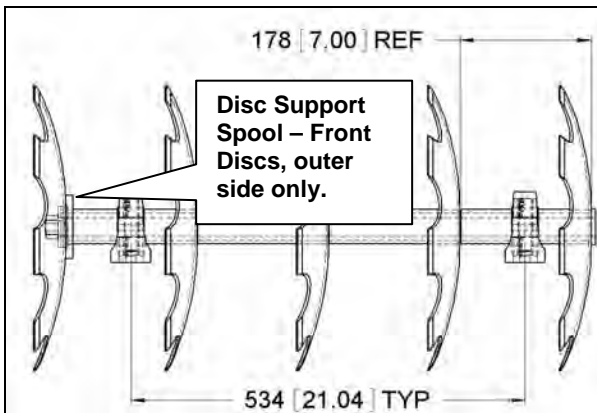
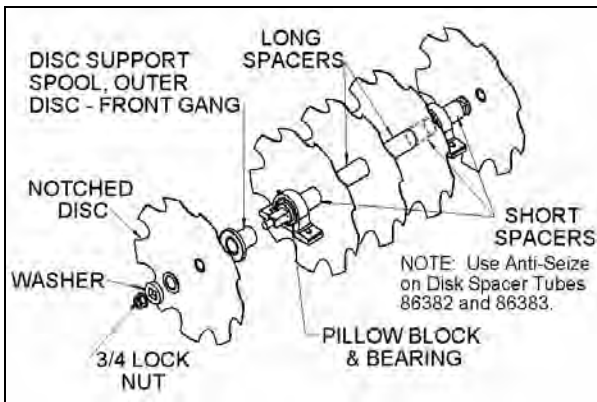


16. Apply anti-seize compound to the inside of the short and long disk spacer tubes.



CAUTION:
Discs are sharp. As an assembly, it can fall or roll causing serious injury to you and/or others. Wear gloves and other safety equipment to avoid injury.

17. Assemble disks, spacer tubes, pillow block to disk axle. Note that short spacers are used on each side of the pillow block and bearing for the outer disks. The outer disc on the front gang requires a disc support spool, see Figure below. The inner disks require the long spacers. Check distance between bearings and disks.



18. Install each disk gang to the mount frames of the tandem disk. Refer to Figure - Top View to show position of front and rear Frames to Main Frame. Secure disk assembly using 1/2 x 1-1/4 bolts and flange lock nuts.

19. Turn each disk assembly to check bearing operation. Torque 3/4 locknut = 166 – 230 ft-lbs.

Operation

NOTE: A 2" ball hitch is required when using with the UTV or compact tractor.

The Quadivator UTV Tandem Disk is attached to the rear 2" hitch ball of the UTV or compact tractor. It can be equipped with [optional] the electric depth control, which operates from a switch that is mounted on the working vehicle.



WARNING:
Always wear certified safety glasses or wide vision safety goggles over your glasses before starting, maintaining and operating the unit.



CAUTION:
A pinch point exists where the teeth mesh on the wing frames. Do not remove the pinch point shield except for maintenance purposes. Reinstall shields when done.

Check the pneumatic wheels on the UTV Tandem Disk daily. They should have 30 psi.

Do not exceed 6 mph or 9 kph. The tandem disk will not do a good tillage job if ground speed is too high.

During heavy duty use, operate at a slower speed or go over the area twice. Repeat tillage, if necessary.

Guidelines

1. Check the pneumatic wheels on the UTV Tandem Disk. They should have 30 psi.
2. Do not exceed 6 mph (or 9 kph) - or move the soil the full width of the blade spacing. The tandem disk will not do a good tillage job if ground speed is too high.
3. During heavy duty use, operate at a slower speed or go over the area twice. Repeat tillage, if necessary.
4. Check depth and adjust to conditions.
5. *Hard Ground or Sod Covered Conditions:* It may be necessary to go over the area several times. Make sure the discs penetrate the ground with each pass. Adjust disk angle for aggressive disking. Additional disk penetration can be accomplished by adding [optional] weights.

6. *Soft Ground or Previously Tilled Conditions:* Adjust disk angle (less than 20 degrees) for better soil and residue incorporation.

7. The tandem disk should be level when operating. Locate the UTV or compact tractor on a level surface and adjust the height so the disks are set flat on a level surface.

General Operation

1. Attach the tandem disk to the rear 2" hitch ball of the UTV or compact tractor. Secure with locking handle on the tandem disk hitch.

2. Attach electrical switch to UTV to operate the actuator. Route & secure electrical wiring so it is away from contact or pinch points between UTV and tandem disk.

3. Lift the tandem disk with the actuator.

NOTE: When the tandem disk is lowered to the ground, the Tandem Disk must be in motion. The front discs should make contact first and the tandem disc will level out as the actuator is fully extended.

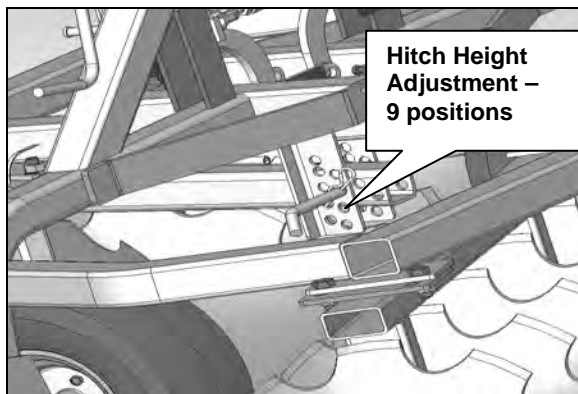
4. Raise the tandem disk with the actuator.

5. When not in use: lower tandem disk to ground so weight is removed from the wheels.

Hitch Height

The tandem disk main frame should be level when in working position. If not, adjust the hitch tube where it connects to the main frame. Remove clevis pin and bent pin from bracket. Select position and secure adjustment. Check if the main frame is level. Check UTV or compact tractor, if hitch can be adjusted by referring to its operator's manual.

1. Remove clevis pin and bent pin from the mounting bracket. Select position and secure.



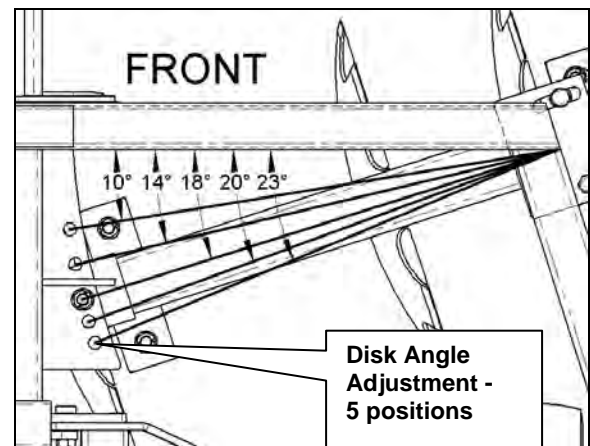
2. Reinstall bent pin and secure with clevis pin and secure.

Disk Angle Adjustment

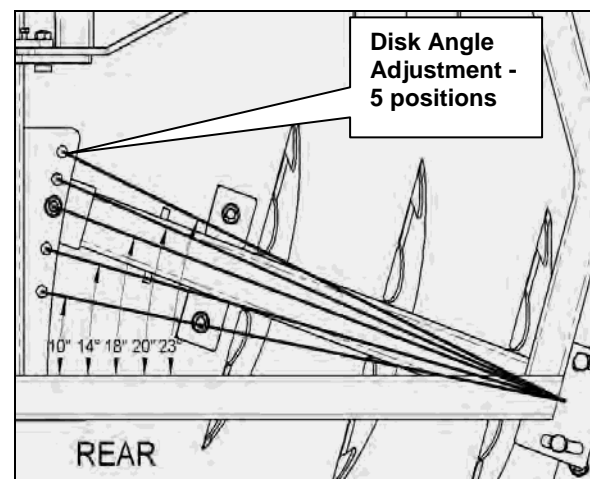
Disk angle adjustment provides different disc angles from 10 degrees – cutting and mixing with the soil to 23 degrees for aggressive cutting and mixing of soil. This tillage feature is ideal for using the tandem disk in all types of ground or soil conditions. The disk angle can be different between the front disks and rear disks to match field conditions and requirements.

1. Loosen top mounting bolts securing disc assembly to main frame. Adjust disk angle and secure bolts.

2. Pivot and slide disk assembly to desired angle and secure lock nuts.



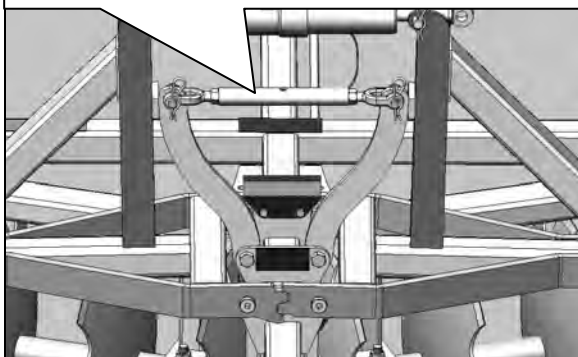
Top View of Front Disks - Disk Angle Adjustment



Top View of Rear Disks - Disk Angle Adjustment

Depth Control Adjustment

Turn Turnbuckle to increase or decrease depth of implement. Set implement to desired depth and adjust depth control so it contacts the depth bars on both wheel legs.

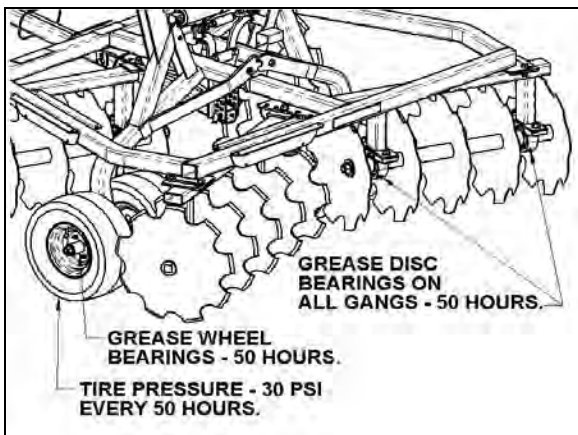


Maintenance

1. Clean debris from frame and shovels.
2. Periodically inspect for loose, damaged, or worn parts. Adjust or replace as needed.
3. Periodically check all hardware on the hitch and tandem disk to ensure they are tight.
4. The wheels on the main frame require periodic lubrication – every 50 hours. Remove wheels, clean shafts, bearings, bearing support spacer and inside wheel. Apply a light coating of grease and reinstall 5/8 locknut.



CAUTION:
A pinch point exists where the teeth mesh on the wing frames. Do not remove the pinch point shields except for maintenance purposes. Reinstall shields when done.



Grease Locations & Tire Pressure

5. Grease the tandem disks every 50 hours. Turn disks and check operation. Grinding or roughness indicates bearing(s) are worn.
6. Check and maintain tire pressure at 30 psi during use – every 50 hours.
7. When tandem disk is not used for a period of time, it is recommended to clean off any dirt to prevent rust.
8. Replace disks if they become broken or worn. Refer to Parts Section of this manual for replacement part numbers.

Storage

1. Thoroughly clean off any dirt before storing.
2. Store the tandem disk on a level location to ensure its stability and safety. Make sure it away from human activity or livestock.
3. Coat all discs with grease or rust inhibitor (paint) when storing the tandem disc after a season.
4. Inspect the tandem disk for loose, damaged or worn parts. Adjust, or replace if needed.

Transportation



WARNING:
Exercise caution when transporting. Making abrupt turns can cause vehicle to overturn and cause bodily harm and/or injury. Never tow this implement on a public roadway.

1. Raise the tandem disk as high as possible for transporting.
2. Driving over bumps at improper speeds (over 6 MPH or 9 km/h) will cause the implement to hit and scrape the ground.
3. Attaching the tandem disk to the UTV or other towing vehicle increases the overall length of the working implement. Allow additional clearance for the implement to swing when turning.

Troubleshooting





PROBLEM	POSSIBLE CAUSE	POSSIBLE SOLUTION
Poor soil penetration and tillage performance.	Hard ground	Wait for softer ground
	Worn or broken disks	Replace disks
	Disks don't penetrate deep enough.	Adjust the hitch until frame is level. Change disk angle to work into soil.
	Disks are worn.	Replace with new.
Front disk gangs or rear disk gangs are cutting, but not both gangs.	Main frame of tandem disk is not level.	Level main frame so it is level in working position. Refer to Hitch Height adjustment in manual.
Disk blade(s) wobble on shaft.	Flange lock nut is loose.	Torque flange lock nut.
	Disk blade is broken.	Replace with new.
Soil and crop residue sticks to the disks.	Soil is too wet and/or sticky.	Wait for drier soil conditions.
	Disks are dirty or rusty.	Remove dirt/rust.
UTV or tractor will not pull disk - traction wheels spin.	Hard ground.	Wait for softer ground.
	Ground is too wet.	Wait for soil to dry.
	Disks cutting into the ground too deep.	Raise disks and continue - until through the spot.
	Turning with disks in the ground.	Raise disks when turning.
Broken disk blades.	Hitting obstructions.	Remove obstructions.
	Turning or backing up with disks in the ground.	Raise disks when turning or backing up.
	Disk blades are loose.	Tighten flange locknut on axle.

PROBLEM	POSSIBLE CAUSE	POSSIBLE SOLUTION
Disk will not cut into the ground.	Ground is too hard.	Wait for it to soften.
	Too much plant growth.	Disk several times or mow field – first.
	Tandem disk is too light.	Add weight kit.
Tall grass or weeds wrap around disk axle or shaft.	Blades are dull or worn.	Replace blades
	Long tall crop.	Mow plant residue before disking. If wrapping occurs on second time (pass) – change disking direction.
Rapid wear on bearings.	Abrasive soil conditions	Grease bearings more often.
Ridging on outside.	Disking speed is too high.	Reduce to 4 – 6 mph (6-9 km/h).
Actuator is stuck at either end of its stroke.	No electrical power to the switch or wiring.	Check wiring and switch. Repair or replace where needed. Test system.
Actuator does not operate.	Actuator is not connected to switch.	Connect wiring to switch - check operation.
	Electrical short in the wiring harness or connection.	Check routing of wiring harness from actuator for broken or pinched wiring. Repair where needed.
	Worn actuator.	Replace actuator.

Torque Chart

Use the Torque Chart to ensure that the hardware used on the Quadivator Product(s) is tightened to the capacity of the hardware.

Use the Torque Chart to make sure that the hardware on your Quadivator Product is secure.

American Standard Cap Screws with UNC or UNF Threads				Metric Cap Screws			
SAE Grade No.		Grade 5 – 	Grade 8 – 	Property Class		Class 8.8 – 	Class 10.9 – 
5/16	(ft-lbs)	17 - 20.5	24 - 29	M8	(ft-lbs)	17.4 - 20.2	21.7 - 25.3
	(N-m)	23.1 - 27.8	32.5 - 39.3		(N-m)	23.6 - 27.4	29.4 - 34.3
	(kgf-m)	2.35 - 2.84	3.31 - 4.01		(kgf-m)	2.4 - 2.8	3.0 - 3.5
3/8	(ft-lbs)	35 - 42	45 - 54	M10	(ft-lbs)	35.5 - 41.2	44.9 - 52.1
	(N-m)	47.5 - 57.0	61.0 - 73.2		(N-m)	48.1 - 55.8	60.8 - 70.5
	(kgf-m)	4.84 - 5.82	6.22 - 7.47		(kgf-m)	4.9 - 5.7	6.2 - 7.2
1/2	(ft-lbs)	80 - 96	110 - 132	M12	(ft-lbs)	57.2 - 66.5	76.0 - 86.8
	(N-m)	108.5 - 130.2	149.2 - 179.0		(N-m)	77.5 - 90.1	103 - 117
	(kgf-m)	11.07 - 13.29	15.22 - 18.27		(kgf-m)	7.9 - 9.2	10.5 - 12.0
9/16	(ft-lbs)	110 - 132	160 - 192	M14	(ft-lbs)	91.2 - 108	123 - 144
	(N-m)	149.2 - 179.0	217.0 - 260.4		(N-m)	124 - 147	167 - 196
	(kgf-m)	15.22 - 18.27	22.14 - 26.57		(kgf-m)	12.6 - 15.0	17.0 - 20.0
5/8	(ft-lbs)	150 - 180	220 - 264	M16	(ft-lbs)	145 - 166	192 - 224
	(N-m)	203.4 - 244.1	298.3 - 358.0		(N-m)	196 - 225	260 - 303
	(kgf-m)	20.75 - 24.91	30.44 - 36.53		(kgf-m)	20.0 - 23.0	26.5 - 31.0

Replacement Parts

The following pages contain parts illustrations and replacement part numbers for all components on the Quadivator UTV Tandem Disk. At the time of printing, some of the minor parts in the manual may become outdated.

To obtain replacement parts, please contact your Quadivator Dealer for service. To locate the nearest dealer, please contact a Quadivator Representative using the contact information at the beginning of the Operators Manual.

When ordering parts – please have the following information on hand:

- *Part Number* you are looking for.
- *Model Number and Serial Number* of the machine.
- *Quantity required.*

To ensure warranty support for your Quadivator, please fill out the Warranty Registration Card located in the Operators Manual.

Tandem Disk (UTV) Assembly (86420Q)

*87499 - Actuator is available.

NOTE: Actuator [87499] is not included with the Tandem Disk

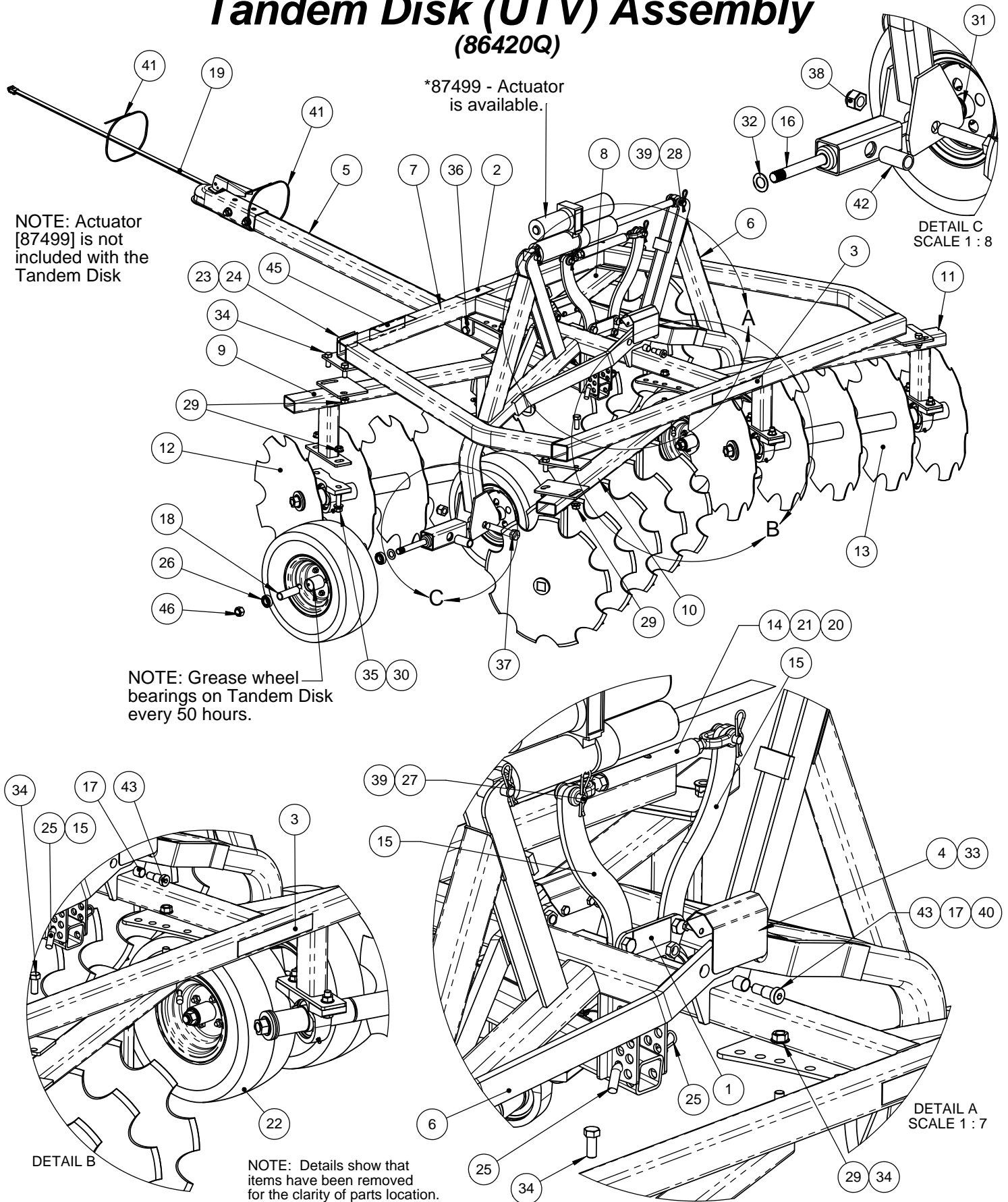
NOTE: Grease wheel bearings on Tandem Disk every 50 hours.

DETAIL C
SCALE 1 : 8

DETAIL A
SCALE 1 : 7

DETAIL B

NOTE: Details show that items have been removed for the clarity of parts location.

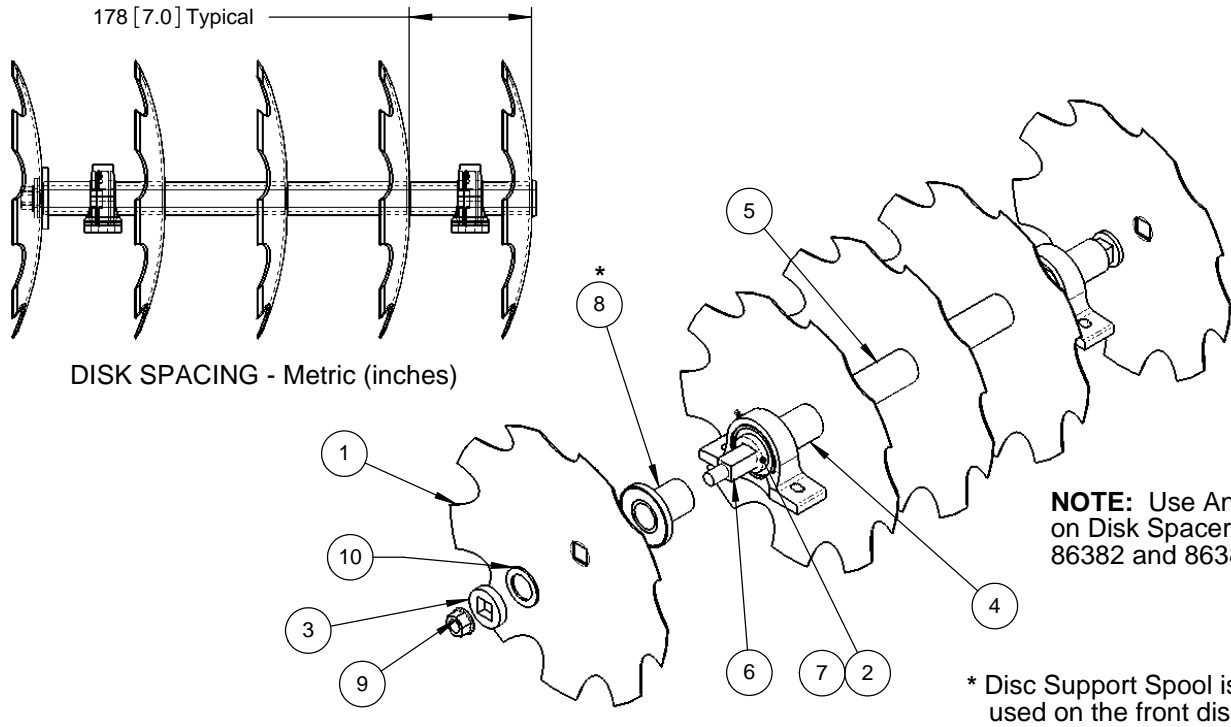


Tandem Disk (UTV) Assembly (86420Q)

ITEM	86420Q /QTY.	PART	DESCRIPTION
1	2	1411-503	Decal, Warning -Pinch Point (Speedpoint)
2	1	1411-506	Decal, Warning-Do Not Exceed 10 MPH
3	2	86051	Decal, Quadivator - Silver & Black on Clear
4	2	86364	Shield, Pinch Point
5	2	86370Q	MOA Sub Assy, Hitch-Disk & Cult-Red
6	2	86385Q	Weld't, Wheel Leg -Red
7	1	86395Q	Weld't, Disk Frame, Red
8	1	86425FRQ	Weld't, Disk Mount Frame-Front-RH, RED
9	1	86425Q	Weld't, Disk Mount Frame-Front-LH, Red
10	1	86425RQ	Weld't, Disk Mount Frame -Rear LH, RED
11	1	86425RRQ	Weld't, Disk Mount Frame -Rear RH, RED
12	2	86430	Sub Assy, Disk gang-Front
13	2	86430R	Sub Assy, Disk gang-Rear
14	1	86440	Weld't, Depth Control Turnbuckle
15	2	86446	Bar, Depth Adjust
16	2	86450A	Weld't, Pivot Axle-UTV
17	4	86454	Bushing-Garlock 10DU 10 5/8 ID x .72 OD x 5/8 L
18	4	86459	Bearing Support Spacer
19	1	86635	Harness, UTV implement
20	1	87539LH	Clevis End -Male, 1/2-13LH X 7/16
21	1	87539RH	Clevis End -Male, 1/2-13RH X 7/16
22	4	88435R	Wheel Assy, Modified 15 x 6.00-6 Turf J224
23	1	88666	Decal - Serial Plate Foil (1 5/8 x 3.00")
24	1	88667	Decal - Mylar Overlay, Frosted
25	1	89209	Pin, Bent 1/2" w/clip
26	8	89824	Bearing 6003-2RS-AAB
27	2	CP.438X1.5	Clevis Pin 7/16 OD x 1 1/2 Usable x 1/8 Cotter
28	2	CP.625x2	Pin-Clevis, 5/8 OD x 2 Usable x 1/8 Cotter
29	31	FHN.5	Flange Lock Nut-Unitorque -1/2-13NC
30	16	FW.5N	Flat Washer 1/2 SAE
31	1	FW.625N	Flat Washer 5/8 SAE
32	3	FW.688N	Flat Washer .688 ID x 1.188 OD x .060t
33	4	HB.25x.5	Hex Head Bolt 1/4-20 X 1/2
34	14	HB.5x1.25	Hex Head Bolt 1/2-13 X 1
35	16	HB.5X1.75	Hex Head Bolt 1/2-13 X 1 3/4
36	1	HB.5x3.5	Hex Head Bolt 1/2-13 X 3 1/2
37	2	HB.75x4	Hex Head Bolt 3/4-10 X 4
38	2	HNY.75	Nylon Locknut .75"
39	4	HPC.125X2.563	Hitch Pin Clip 1/8 x 2 - 9/16"
40	4	JN.5	Hex Jam Nut-1/2-13 UNC
41	3	LCT.04X11	Tie Wrap .04 x .17 x 11 in 35 Lbs-Black [not shown]
42	2	OB.75X1X2	Oilite Bushing, .7503ID x 1.0 OD x 2
43	4	SBHS.625X.75	Shldr Bolt Sckt Head 5/8 x 3/4 Shoulder x 1/2-13
45	1	SW1	Decal - Warning - Read Operator's Manual
46	4	TLN.625	Nut, Hex Top Lock 5/8-11 UNC Gr 5 Zn Plt

Disk Assembly

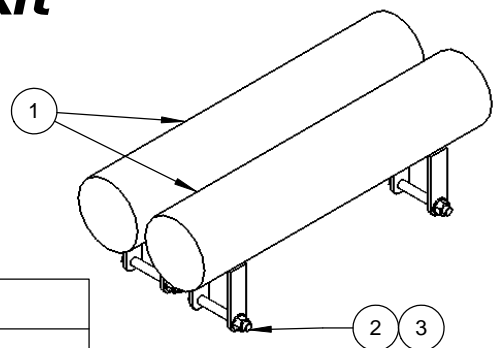
(86430, 86430R[rear])



ITEM	Default /QTY.	86430R /QTY.	PART	DESCRIPTION
1	5	5	86314	Disc, Notched , 16 Inch x 3.15 mm
2	2	2	86380	Bearing, Spherical - W208PPB6 -1" Sq Bore
3	1	1	86381	Washer, 1.875 OD x 1 Sq Bore
4	3	4	86382	Tube, Disk Spacer, Short
5	2	2	86383	Tube, Disk Spacer, Long
6	1	1	86390	Weld't, Disk Axle
7	2	2	86393	Pillow Block, cast P208
8	1	-	86455	Weld't, Disk Support Spool
9	1	1	FHN.75	Lock Nut -Flange Unitorque 3/4-10 UNC
10	1	1	MB-36H	Mach. Bush. 10 GA x 1.5 x 2.25

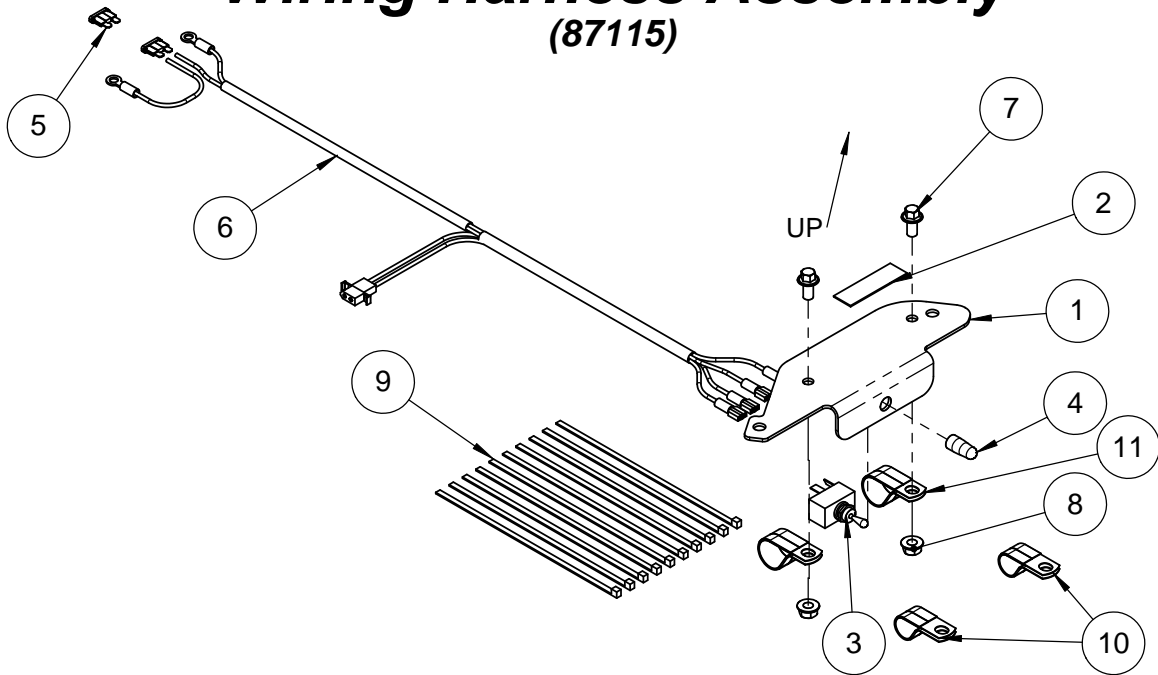
Disk Weight Kit

(86410)



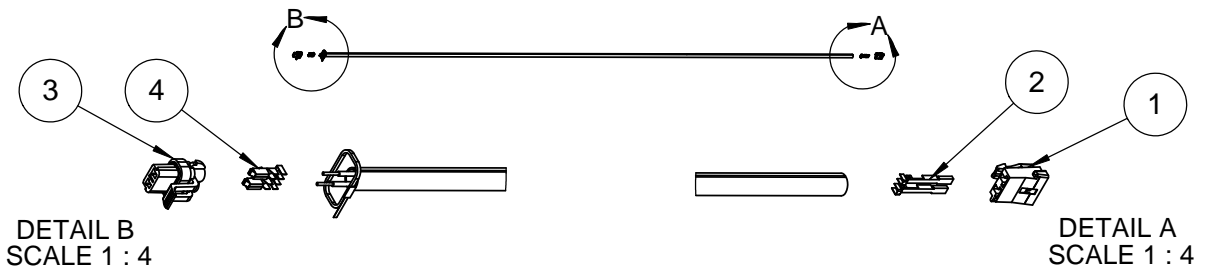
ITEM	QTY.	PART	DESCRIPTION
1	2	86415	Disk Weight
2	4	HB.375x3	Hex Head Bolt 3/8-16 X 3
3	4	FHN.375	Flange Lock Nut-3/8 NC Unitorque

Wiring Harness Assembly (87115)



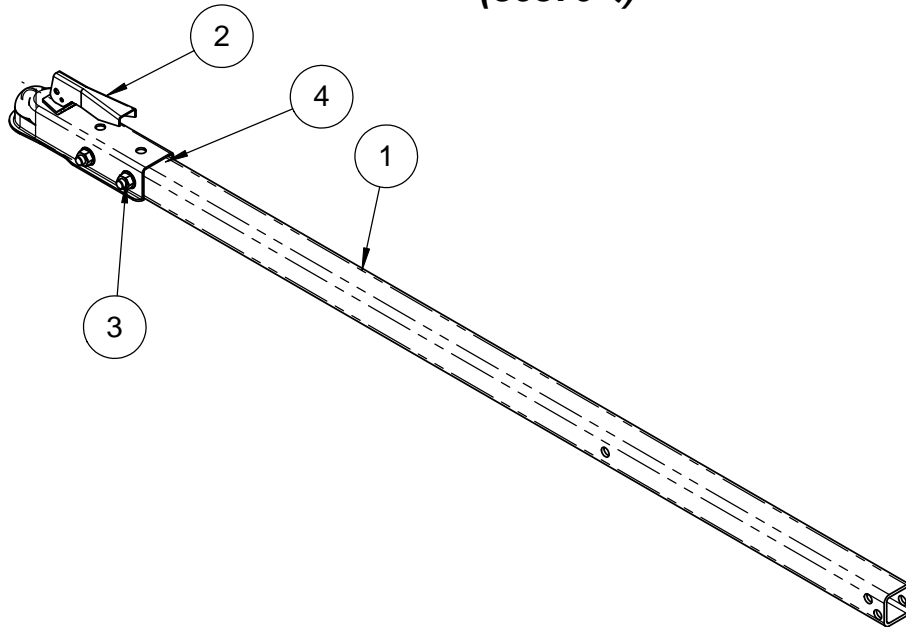
ITEM	Default /QTY.	PART	DESCRIPTION
1	1	0541-508	Plate, Switch Speedpoint (Black)
2	1	1411-524	Decal, Up/Down Speedpoint
3	1	86032	Switch - Actuator
4	1	86050	Boot, Weather Seal, Toggle Switch
5	1	86060	Fuse, Blade ATO/ATCType, 40 AMP
6	1	87085	Wiring Harness, Speedpoint
7	2	HBFHM8X16	Bolt, Hx Flng Hd, M8-1.25 x 16 Cl 8.8
8	2	HNFM8	Nut, Hx Smth Flange Metric M8 - 1.25
9	10	LCT.05X8	Tie Wrap .05 x .19 x 8 in 50 Lbs-Black
10	2	TC.75X.750	Tubing Clamp, 3/4" Wide x 3/4" OD Tube, Vinyl Dip
11	2	TC.75X1	Tubing Clamp, 3/4" Wide x 1" OD Tube, Vinyl Dip

UTV Implement Harness Assembly (86635)



ITEM	Default /QTY.	PART	DESCRIPTION
1	1	86981	Female Body, Metri-pack 630 conn. (12129939-b)
2	2	86983	Terminal, Female Connector (630 series)12015870
3	1	86987	Connector, Metri Pack 280 (15300027)
4	2	86988	Terminal, Female M/P 280 (12129493)

Hitch Sub-Assembly (86370Q)



ITEM	86370Q /QTY.	PART	DESCRIPTION
1	1	86372	Tube, Hitch UTV Cult/Disk -RED
2	1	86421A	Channel Hitch Coupler-2" ball x 2" channel
3	2	FHN.5	Flange Lock Nut-Untorque -1/2-13NC
4	2	HB.5x3	Hex Head Bolt 1/2-13 X 3

WARRANTY REGISTRATION – Quadivator UTV Tandem Disk

Please fax this sheet to (204) 239-4271 or mail it to:

Quadivator Inc.
P.O. Box 1127
1000 – 6th Ave NE
Portage la Prairie
Manitoba, R1N 3C5
CANADA

UTV Tandem Disk Model # -

UTV Tandem Disk Serial # -

Purchased by (Name)

Address-

City

State/Prov./Mail Code

Dealer -

Date Purchased (D/M/Y)

Thank you!



READ & SAVE THIS MANUAL

QUADIVATOR INC.
1000 6th Ave. NE
Portage La Prairie, MB
Canada, R1N 3C5
www.quadivator.com

Part # : 86358