KUBOTA®

PARTS AND OWNER'S MANUAL

REAR-MOUNT MOWER
MODEL B3548

STARTING WITH SERIAL NO. 3548-101

for B6100 and B7100 Tractors

(See page 3 for applicable serial number range)

THIS SAFETY ALERT SYMBOL IDENTIFIES IMPORTANT SAFETY MESSAGES IN THIS MANUAL.

FORM NO. 551-14006 — FEB. 81

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Approved Tractor Models for the B3548 Mower

Only the following Kubota tractors are approved for use with the B3548 Mower:

B6100 E	Ser. No. 11601 & above	B7100 DT	Ser. No. 45286 & above
B6100 DT	Ser. No. 21331 & above	B7100 HST	Ser. No. 10001 & above
B6100 HST	Ser. No. 10001 & above		

Use of this mower on tractors with earlier serial numbers than shown above is not recommended since reduced braking response could result due to the tractor not having an over-running (or "coasting") PTO stub shaft. See your Kubota dealer regarding any questions on application of the mower with your tractor.

SERIAL NUMBER RECORD

When you need new parts or service, see your Kubota Dealer. The serial number plate is located on the top left side of the deck. Record this number in the space provided below. Always refer to this number and the model number when requesting service.

MODEL B3548 MOWER

Date Purchased _____

Serial Number _____

Kubota Authorized Dealer _____

Dealer Address _____ Telephone _____

INTRODUCTION

This manual is a guide to safe, productive operation. It is intended to reduce the need for "trial and error" learning and to help minimize costly downtime caused by improper operation or maintenance.

TAKE TIME TO READ THIS MANUAL THOROUGHLY PRIOR TO OPERATING THE MOWER.

The manufacturer reserves the right to make design changes at any time. Check with your authorized Kubota Dealer for information covering possible changes since the date of publication shown on the front cover.

Your authorized Kubota Dealer can also provide you with in-depth explanation of specific points as well as additional copies of this manual.

SAFETY PRECAUTIONS

Your safety and the safety of those around you is highly dependent upon the care and good judgment you practice while using this equipment.

READ THIS MANUAL AND THE TRACTOR OWNER'S MANUAL THOROUGHLY.

Make sure that you understand the contents. All equipment has limitations. Be certain that you understand all operating characteristics of this machine before attempting operation.

The safety information presented in this manual is not intended to replace safety codes, insurance requirements, or local laws, rules and regulations.

THIS SAFETY ALERT SYMBOL IDENTIFIES IMPORTANT SAFETY MESSAGES IN THIS MANUAL. WHEN YOU SEE THIS SYMBOL, CAREFULLY READ THE MESSAGE THAT FOLLOWS AND BE ALERT TO THE POSSIBILITY OF PERSONAL INJURY TO YOU OR OTHERS.

INSPECT ALL PARTS OF MOWER ASSEMBLY BEFORE EACH PERIOD OF OPERATION AND AFTER STRIKING ANY FOREIGN OBJECT TO INSURE THAT ALL HARDWARE IS SECURE AND ALL PARTS ARE UNDAMAGED. IF REPAIRS ARE NECESSARY, COMPLETE THEM BEFORE CONTINUING MOWER OPERATION.

NEVER ALLOW ANYONE TO OPERATE MOWER UNTIL THEY ARE THOROUGHLY FAMILIAR WITH BASIC TRACTOR AND P.T.O. OPERATION.

STOP ENGINE AND REMOVE IGNITION KEY WHENEVER LEAVING TRACTOR UNATTENDED.

MOW UP AND DOWN SLOPES, NOT ACROSS. AVOID OPERATION ON STEEP SLOPES.

NEVER MAKE ANY ADJUSTMENTS OR PERFORM ANY MAINTENANCE WITH ENGINE RUNNING.

MOW ONLY DURING DAYLIGHT HOURS.

REDUCE GROUND SPEED ACCORDINGLY WHEN OPERATING IN ROUGH TERRAIN.

ALWAYS REPLACE ANY SAFETY DECALS THAT BECOME DAMAGED, LOST, PAINTED OVER, OR BECOME OTHERWISE ILLEGIBLE. REPLACE ALL SAFETY DECALS WHEN REPAINTING.

ALWAYS MOW SO THAT DISCHARGE IS DIRECTED AWAY FROM PEOPLE OR OBJECTS THAT COULD BE HIT BY ARTICLES THROWN FROM MOWER CHUTE.

OPERATE IN PTO SPEED #2 ONLY. DO NOT EXCEED 900 PTO RPM. HIGHER SPEEDS CAN CAUSE COMPONENT FAILURE OR PERSONAL INJURY.

VISUALLY INSPECT AREA TO BE MOWED AND REMOVE ANY HAZARDOUS DEBRIS. IF THIS IS NOT PRACTICAL, STAY ALERT FOR SUCH OBJECTS WHILE MOWING.

STOP ENGINE AND DISENGAGE P.T.O. AND ALLOW BLADE ROTATION TO CEASE PRIOR TO DISMOUNTING TRACTOR FOR ANY REASON.

KEEP CLOTHING, YOURSELF AND OTHERS WELL CLEAR OF ROTATING PTO DRIVELINE. DO NOT OPERATE PTO UNLESS ALL GUARDS AND SHIELDS ARE IN PLACE.

NEVER OPERATE MOWER WITHOUT SAFETY SHIELDS IN PLACE.

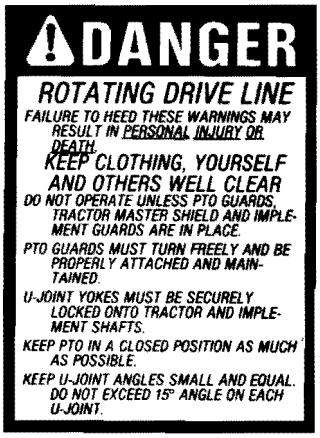
NEVER ALLOW PASSENGERS ON TRACTOR OR MOWER.

DO NOT WORK UNDER ELEVATED MOWER UNLESS SECURELY SUPPORTED WITH SUITABLE CHAIN HOIST AND JACK-STANDS.

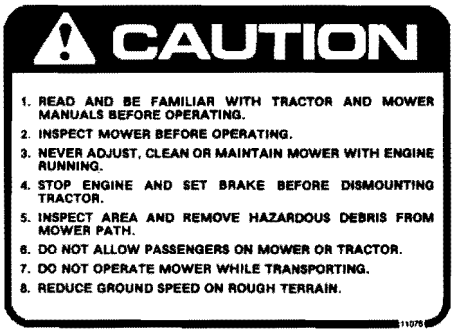
SAFETY SIGNS ON THE MACHINE

CAUTION: *ALWAYS REPLACE ANY SAFETY DECALS THAT BECOME DAMAGED, LOST, PAINTED OVER, OR BECOME OTHERWISE ILLEGIBLE. REPLACE ALL SAFETY DECALS WHEN REPAINTING.*

Refer to the following representations of the decals used on the machine for positive identification and also to the parts list section of this manual to insure proper placement.



PART NO. 70080-01320 Decal, PTO Danger



PART NO. 70080-00262 Decal, Operating Safety.

PART NO. 70080-00259 Decal, Caution, Discharge.

PART NO. 70080-00260
Decal, Caution, Shield.

PART NO. 70080-01279
Decal, PTO Speed

OPERATING TIPS

WARNING: *OPERATE IN PTO SPEED #2 ONLY. DO NOT EXCEED 900 PTO RPM. HIGHER PTO SPEEDS CAN CAUSE COMPONENT FAILURE OR PERSONAL INJURY.*

- **USE CORRECT HEIGHT ADJUSTMENT**
- **USE PROPER TRAVEL SPEED**
- **MAINTAIN EFFICIENT OPERATION**
- **KEEP BLADES SHARP**
- **KEEP UNDERSIDE OF DECK CLEAN**
- **MAINTAIN MAXIMUM ENGINE SPEED**

BLADE SHARPNESS affects the appearance of a lawn. A dull blade will cause grass to appear torn or beat off rather than cut. Blades should be checked regularly and kept sharp to insure best lawn appearance.

INSPECT the underside of the mower deck regularly. Remove excess clippings that may obstruct blade rotation or prevent proper discharge, and cause poor mowing performance.

Wash underside of deck with hose and nozzle after each mowing. This is especially important when grass is damp or extra lush. Shut off tractor when performing this maintenance.

ENGINE SPEED should always be at maximum RPM to maintain proper blade speed for effective cutting and good discharge of grass clippings.

HEIGHT OF MOWER should be set for grass and terrain conditions. Mowing in thick lush grass may require a higher setting to insure a good appearance.

Before mowing, set the blade adjustment at the highest point and make a test pass to establish a point of reference for final height adjustment. Note this cutting height and then select the desired adjustment.

When mowing tall grass or weeded areas, an initial cut at full deck height may be necessary, followed by a final pass with mower adjusted to desired finish height.

TRACTOR TRAVEL SPEED affects the mowing performance. The operator must use his own judgment as to proper gear selection but slower gears enhance the finish of the mowed lawn. Remember to maintain maximum engine speed.

If conditions are such that the tractor tires cause grass to mat down, resulting in an uneven cut, shift to a lower gear to allow grass more time to recover and stand upright.

OPERATION OF MOWER at low idle speeds for prolonged periods can lead to excessive belt wear due to belt "whip" caused by engine pulsation.

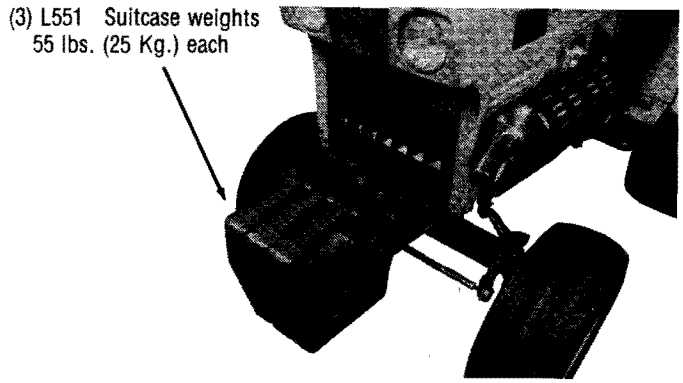
Uneven cutting may be caused by loose belts (badly worn or improperly adjusted).

The skid bars on either side of the deck housing serve as convenient mowing guides. As you mow, position the mower so that the skid bar overlaps the edge of the strip previously cut to insure full coverage.

TRACTOR EQUIPMENT REQUIRED

Proper tractor handling, under most mowing conditions, requires adding 3 Kubota L551 suitcase weights (or equivalent front end ballast). This provides an effective counterbalance to the rear-mounted mower.

IMPORTANT: *PROPER WEIGHT DISTRIBUTION SHOULD BE VERIFIED BY ACTUAL SCALE MEASUREMENT PRIOR TO OPERATION OF THE MACHINE.*



Assure AT LEAST 25% of the gross vehicle weight is carried by the tractor front axle when the mower is raised for transporting. When weighing the unit, make sure the mower is fully raised, operator is seated in tractor seat, front mounted equipment is positioned in recommended transport position, and tractor is level on the scales.

Recommended front axle weight for proper handling and control may be readily determined by using the following formula:

$$\%\ \text{of wt. on front axle} = \frac{\text{Measured Front Axle Weight}}{\text{Measured Gross Vehicle Weight}} \times 100$$

Additional ballast should be added to the front of the tractor as necessary to bring the results of this formula to at least 25% of the Gross Vehicle Weight. If sufficient front axle weight cannot be achieved thru the addition of approved front-mounted implements, liquid ballast should be added to the front tires. Contact your Kubota Dealer for additional information.

ASSEMBLY INSTRUCTIONS

Remove assembled sections and hardware from packing. Refer to the illustrated parts lists in the rear of this manual to familiarize yourself with proper location of major components and the correct hardware.

1. Attach discharge shield with hardware provided.

CAUTION: *DO NOT OPERATE THE MOWER WITHOUT DISCHARGE SHIELD IN PLACE.*

2. Lift mast up and forward. Attach rear brace, then secure all fasteners.
3. Support rear of deck on 6'' (152mm) blocks and attach rear wheel brackets and wheels with hardware provided.
4. Adjust V-belt tension. Refer to Pg. 8 for specific information.
5. Install PTO Driveshaft using 1/4'' X 1'' square key in gearbox shaft. Be certain to install snap ring as shown in Fig. 1.
6. Assemble front chains (eyebolt ends) into proper brackets and slide onto hitch pins (bracket offset must be inward).

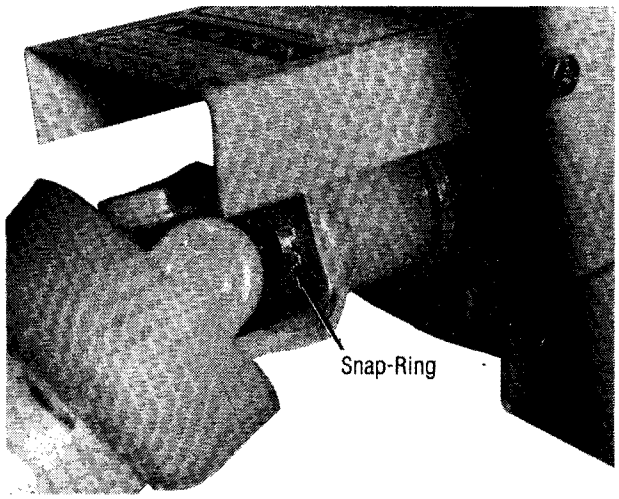


Figure 1 Snap Ring Location

7. Inspect entire unit for missing or loose hardware. Lubricate all fittings and check gearbox oil level.

ATTACHING INSTRUCTIONS

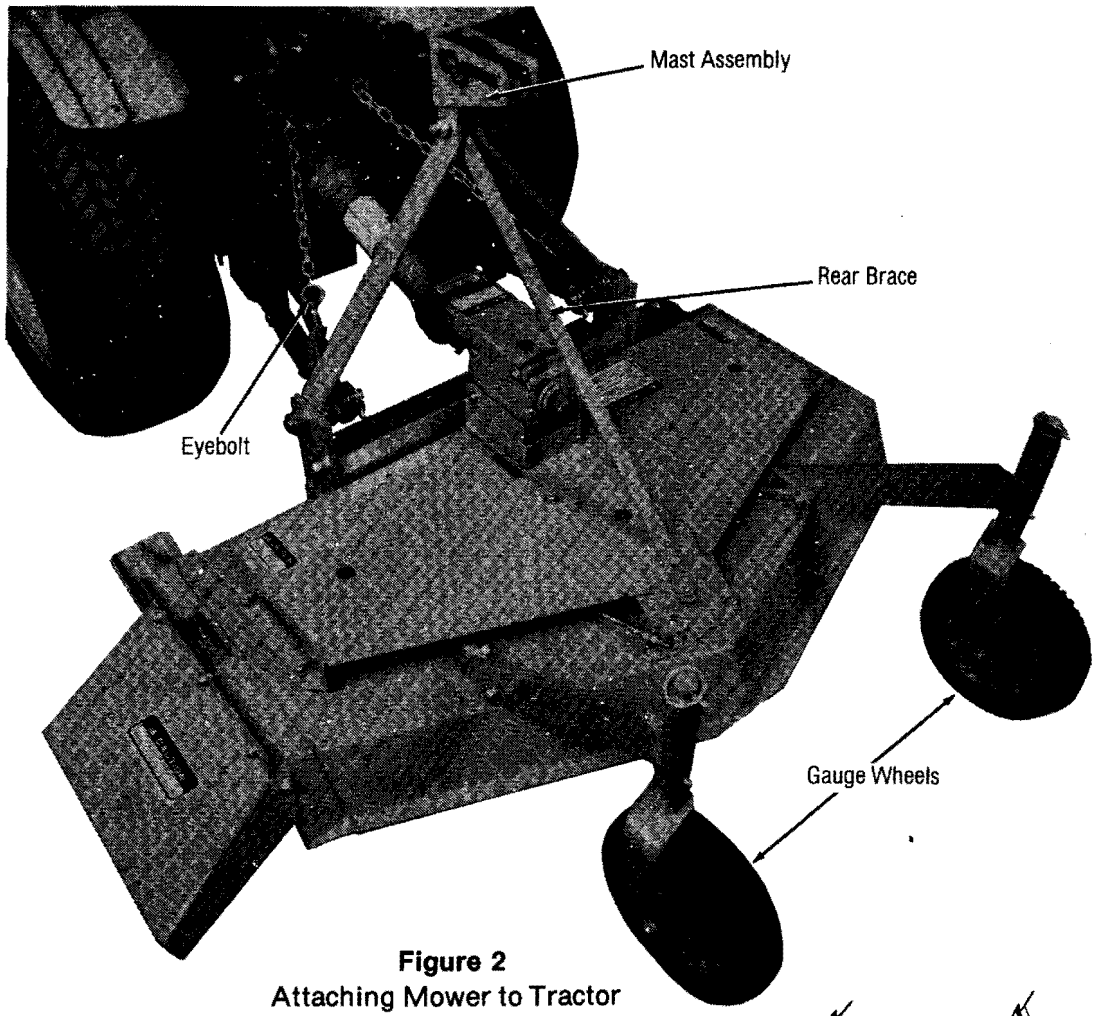


Figure 2
Attaching Mower to Tractor

1. Position the tractor on a level surface.
2. Remove the tractor top link and attach the chain lugs (with "keyhole" slots) as shown. Re-attach top link.
3. Adjust the tractor lift linkage to restrict the fully raised height of the lower link balls to 25 1/4" (641mm) above the ground. Refer to "Adjustments" in the tractor operator manual for procedure. This assures minimum U-joint angles and long bearing life for the PTO drive shaft.
4. Lower tractor linkage as far as possible.
5. Shut off engine, lock brakes and shift transmission to neutral.

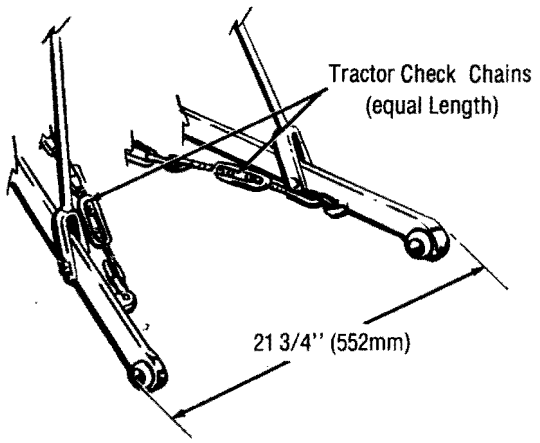


Figure 3 Tractor Check Chains

6. Adjust both tractor check chains to equal lengths while obtaining a link ball spread of 21 3/4" (552mm), measured from the outside edges of the balls (see Fig. 3). This assures that the mower will be centered behind the tractor.
7. Adjust right-hand lift rod of the tractor 3-pt. linkage so that both mounting balls are the same height (level) above the floor.
8. Install the eyebolt/chain brackets onto the mower hitch pins as shown. Attach the lower links and secure with the tractor lynch pins.
9. Using a tractor hitch pin, connect the upper link as shown, placing the two flatwashers provided on the outsides of the slotted ends of the mast. Secure with tractor lynch pin.
10. Clean and lightly lubricate the tractor PTO stub shaft.
11. Attach PTO drive shaft to tractor: depress the spring-loaded pin, then slide the splined yoke onto the tractor PTO stub shaft. Be certain the pin locks in place on the SECOND groove on the tractor stub shaft (closest to the tractor).
12. Set mower height of cut as described on page 8.

ADJUSTMENTS

V-BELT TENSION

Correct belt tension is set by turning the spring adjuster rod jam nuts located under the left belt shield. After obtaining 6 1/2 to 6 3/4 inches (165 - 171 mm) spring length measured over hook ends (see Fig. 4), secure the jam nuts and replace the belt shield. Note: When installing a new belt, refer to sketch on page 15 for correct routing around pulleys. Also, the belt will slip over the top of the center spindle shaft by temporarily removing the grease fitting.

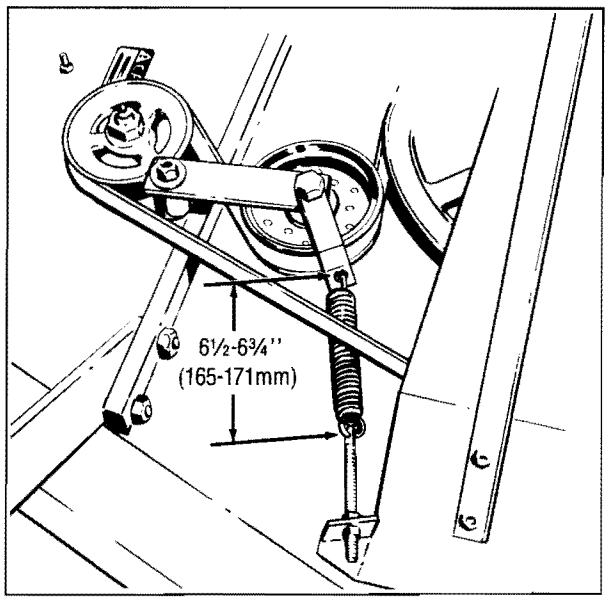


Figure 4 Correct Belt Tension

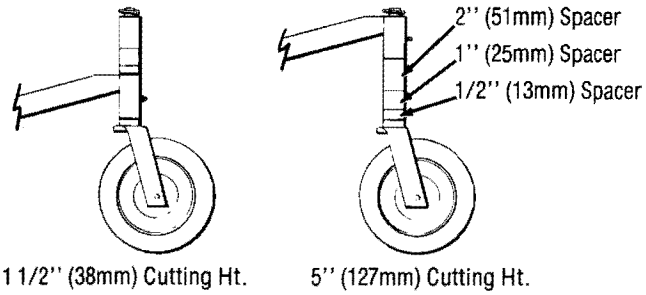


Figure 5 Setting Height of Rear Wheels

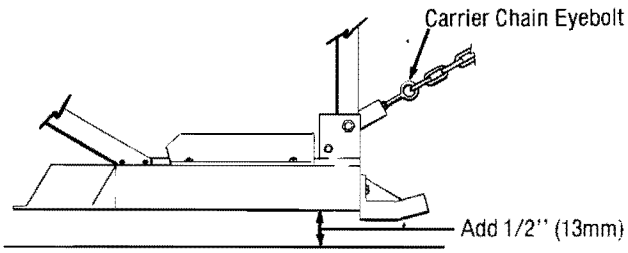


Figure 6 Setting Height at Front of Deck

Height of Cut

Cutting height is controlled by the rear gauge wheels. The front carrier chains are used to level the mower fore and aft once the rear gauge wheels are set to the desired height.

1. Position the tractor and attached mower on a level surface.
2. Raise the mower hydraulically so that there is enough room to remove the gauge wheels.

CAUTION: *DO NOT WORK UNDER ELEVATED MOWER UNLESS SECURELY SUPPORTED WITH SUITABLE CHAIN HOIST AND JACK-STANDS.*

3. Remove the lynch pins atop the gauge wheels and position the spacers as necessary to obtain desired gauge wheel (cutting) height (see Fig. 5). Replace lynch pins.
4. Carefully lower the mower until the gauge wheels rest on the ground and the mower is level front-to-rear (front of mower still supported by the tractor linkage).

   NOTE: Tractor top link must be adjusted so that it is free to slide in the slots atop the mast on the mower.

5. Hold the carrier chains taut, next to where they will attach to the chain lugs mounted on the tractor. Note which link must be attached to keep the mower in level position. Raise the mower and install the carrier chains at the proper link.
6. Lower the mower so that it is supported by the front carrier chains. Mower deck should now be approximately level front-to-rear.
7. Measure the distance from the bottom edge of the mower deck to the ground at each front corner of the deck (see Fig. 6). Adjust the position of the jam nuts on the eyebolts until the measured distance to the ground, plus 1/2" (13mm), is the desired cutting height.

   NOTE: Mower should always be operated in a level position to achieve maximum cutting efficiency, provide a uniform cut and minimize wear.

8. Adjust length of tractor top link so that the pin through the mower mast is positioned 1 1/2" to 2" (38-51mm) back from the forward end of the slot when the mower is fully lowered to working position. The tractor top link is in use only when carrying the mower in transport.
9. Adjust front skids so that they are just above the ground level when the mower is in working position. This will minimize scalping when mowing over uneven terrain.

LUBRICATION AND MAINTENANCE INSTRUCTIONS

Detailed maintenance procedures and the recommended hourly service intervals listed on the lubrication and maintenance chart are covered in this section. Regular attention to the specified time will pay dividends in maximum efficiency and longer life for your Kubota equipment.

CAUTION: *IMPROPERLY MAINTAINED EQUIPMENT CAN BE UNSAFE EQUIPMENT.*

CAUTION: *TO AVOID INJURY, DO NOT CLEAN, ADJUST, UN-CLOG OR SERVICE THIS IMPLEMENT WHEN TRACTOR ENGINE IS RUNNING. LOWER THE MOWER TO THE GROUND BEFORE PERFORMING ANY LUBRICATION OR MAINTENANCE ADJUSTMENTS.*

LUBRICATION AND MAINTENANCE SCHEDULE

INTERVAL	SERVICE POINT	CHECK	LUBE	ADJUST	REF.	NOTES & SPECIFICATIONS
Daily or 10 Hours	Spindle Bearings		X		—	No. 2 grease(*) Note: grease twice daily in very dusty conditions.
	Rear Wheel Forks		X		—	No. 2 grease(*).
	Rear Wheel Bearings		X		—	No. 2 grease(*)
	Belt tension	X		X	1	Check Weekly after 1st week of use. Maintain proper spring length (see Pg. 8).
Weekly or 25 Hours	PTO Driveshaft U-joints and slip sleeve		X		—	No. 2 grease(*)
	Blade attaching nut tightness	X		X		Check 65-75 ft-lbs (87-100 N-m) torque.
50 Hours	Gearbox Oil Level	X			—	Check plug on side of gearbox. Check with cold oil. Use a high quality 90 weight oil.
	Gearbox Drive Pulley Hub Bushing	X		X	2	See Pg. 10.

*Most high quality No. 2 Multi-purpose ball bearing greases are satisfactory. Consultation with a reputable lubricant supplier is recommended.

BLADE MAINTENANCE

CAUTION: *INSPECT BLADE RETAINER AND TOP SPINDLE NUTS REGULARLY; ALSO WHENEVER A BLADE HAS BEEN REMOVED. TIGHTEN TO 65-75 FT. LBS. (87-100N-m). THESE ARE LEFT-HAND THREADS.*

CAUTION: *DO NOT WORK UNDER ELEVATED MOWER UNLESS SECURELY SUPPORTED WITH SUITABLE CHAIN HOIST AND JACK-STANDS.*

Blades should always be kept sharp to insure efficient cutting. Sharpen only the original cutting area of the blades, following the same angle. If there has been excessive grinding, blades should be taken to a sharpening shop and checked for balance. Blades which become short in length due to excessive grinding or damage can cause streaking. Short blades should be replaced.

NOTE: Out-of-balance blades will cause blade spindle bearings to wear rapidly.

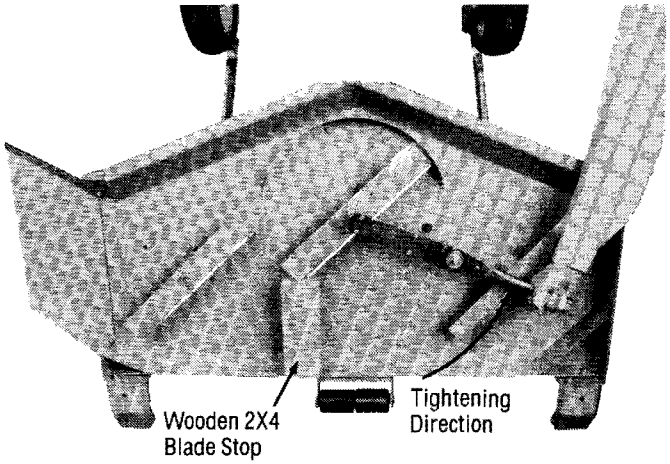


Figure 7 Blade Stop

A blade stop, such as the one shown in Fig. 7, should be used to prevent blade from turning during tightening or loosening.

Always make sure blades are re-installed correctly with curved edge or "wing" **toward** deck (away from ground).

BOLT TORQUE SPECIFICATIONS

Mounting bolts and fasteners may tend to work loose after extended operation due to vibration or stress. A visual check of the whole machine should be made at least weekly as certain areas may be more prone to loosening and should be checked more often for tightness.

Use the accompanying torque specifications for all standard fasteners except special applications listed below.

NOTE: All torque specifications apply to plated and oiled fasteners. When dry or unplated fasteners are used, increase specified torque setting by approximately 20%.

U.S. Bolt Size	Torque Grade 5	
	ft.-lb.	N-m
1/4-20	7-9	9-12
5/16-18	10-15	15-20
3/8-16	20-25	25-35
7/16-14	30-40	40-55
1/2-13	50-60	70-80
9/16-12	70-90	95-120
5/8-11	100-120	135-160
3/4-10	180-220	245-300
7/8-14	260-320	350-430

Special Applications

Blade Retaining Nut, 3/4-16 UNF LH Thread ..... 65-75 ft-lb (87-100 N-m)
Spindle Pulley Nut, 3/4-16 UNF LH Thread ..... 65-75 ft-lb (87-100 N-m)
Gearbox Connecting Bolts, 3/8-16 UNC Socket Head ..... 15-20 ft-lb (20-25 N-m)
Gearbox Mounting Bolts, 3/8-16 UNC Hex Head ..... 15-20 ft-lb (20-25 N-m)

GEARBOX PULLEY INSTALLATION

1. **POSITION:** Proper drive pulley location is achieved by mounting it with 1/8" (3mm) of shaft protruding as shown in Fig. 8.
2. **FASTENING:** The two 1/4" capscrews must pass thru the drilled holes in the collet hub and into the tapped holes of the pulley. Alternately tighten each capscrew progressively until both capscrews begin to hold their tightness. Stop tightening when both capscrews reach a torque of 7-9 ft-lbs (9-12 N-m).

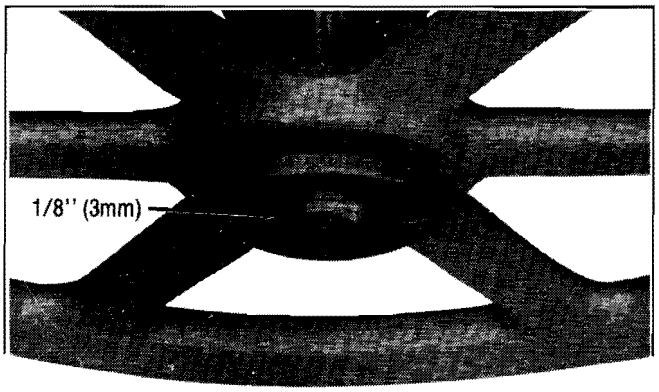


Figure 8 Drive Pulley Location

REPAIR PROCEDURES

The detailed repair information contained in this section is presented primarily for major repairs that should normally be conducted by an authorized Kubota Dealer. He has a complete inventory of genuine Kubota Parts and a staff of trained technicians that enable him to best restore your equipment to its most productive and economical condition.

GEARBOX REPAIR

1. Remove gearbox shield and PTO shaft from gearbox. Remove both belt shields. Disconnect brace strap at base and move it up and out of the way. Remove the two rear mounting bolts from the gearbox mounting frame.
2. Disconnect belt and lift rear of mounting frame (loosen front mounting bolts if necessary) to expose large drive pulley. Remove pulley.

3. Remove gearbox from mounting frame. Remove socket-head bolts securing gearbox halves. Tap with soft hammer (wood or plastic) to break seal.
4. Lift both shafts from case. Disassemble, clean and inspect all parts for signs of excessive wear or damage.
5. Thoroughly clean and inspect case halves. Remove old gasket material carefully with a putty knife.

NOTE: It will be necessary to remove one retaining ring on the pinion shaft to replace bearings or gears. Spread retaining rings only as far as needed to clear shaft; over-extending retaining rings will damage them beyond repair.

6. Replace gears, bearings, seals (always use new seals), retaining rings and keys on shafts. Refer to replacement parts illustration (Pg. 14) for correct placement.
7. Insert shafts in bottom casting (identified by presence of threads for socket-head bolts) using care to insure that all parts, especially seals, are properly positioned.

NOTE: Pinion shaft seal must be against front lip of casting.

8. Apply a 1/16'' (1.6mm) bead of gasket material (loctite #504 or 515 recommended) to casting mating surface and place halves together carefully. Be certain seals are not disturbed or misaligned.
9. Insert socket-head bolts and tighten evenly to 15-20 ft. lbs. (20-27 N-m).
10. Lightly tap shaft ends with a soft hammer to seat bearings against retaining rings.
11. Install gearbox and fill to check-plug level with #90 gear oil.

SPINDLE REPAIR

1. Remove pulley, square key and spacer from spindle shaft.
2. Support the spindle housing vertically in an arbor press and press the spindle from the housing.
3. Remove and discard both upper and lower seals.
4. Remove and discard both bearing and cone assemblies.
5. Remove bearing spacer from housing. Clean thoroughly and inspect for damage, open grease hole or excess wear. Measure its length.

NOTE: Spacer must measure .8751 - 8731'' (22.228-22.177mm) to provide correct bearing preload. Replace spacer if its length is not within these limits.

6. Remove both roller bearing cups from the housing. Use care not to scratch or nick the bearing bores or seating surfaces.

7. Thoroughly clean all parts.

8. Inspect the bearing seats for signs of wear or burrs. If any wear is observed on the seats, measure the distance between them at several spots around the bore. The required distance between them is .937-.935'' (23.80-23.75mm). Replace the housing if not within these limits.

NOTE: Prior to reassembly, be certain all parts are perfectly clean. It is extremely important to maintain absolute cleanliness during assembly.

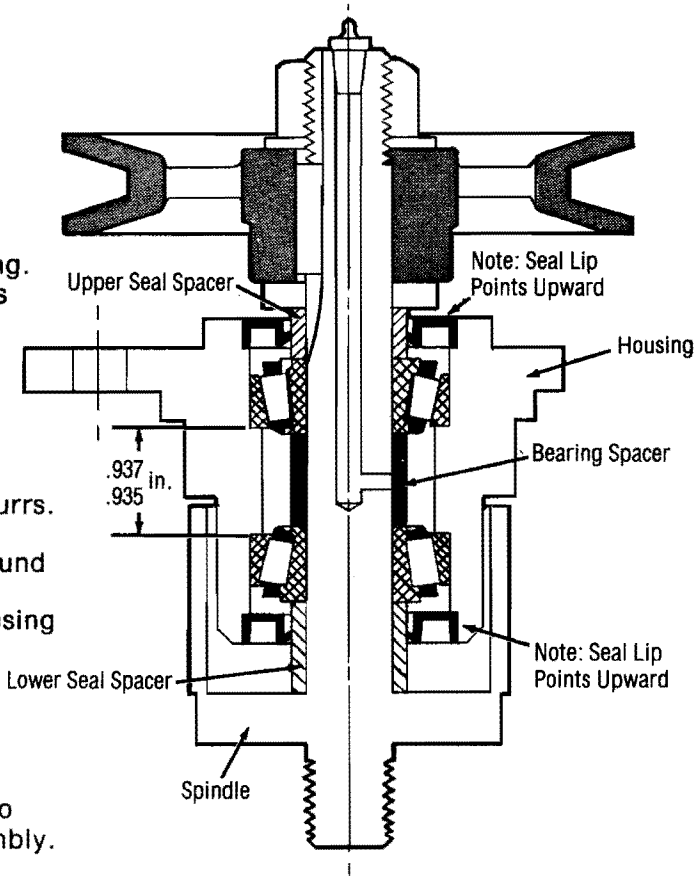


Figure 9 Mower Spindle

9. Use an arbor press to install new bearing cups into the housing bores. Make certain cups are fully seated.
10. Hold the housing upside-down. Place a cone and roller assembly in its cup.
11. Press the seal down into the seal bore until the seal is flush with the end of the housing. Use care not to damage the lip (lip points toward bearing). Insert lower seal spacer into seal.
12. Insert the spindle and press into place until fully seated.
13. Turn the assembly right-side up. Slide the bearing spacer (must have grease holes), cone and roller assembly, and upper seal spacer over the spindle shaft.
14. Press the lip seal into place (flush with end of housing), being careful not to damage the lip.
15. Install pulley spacer, square key, pulley, washer and nut. Tighten to 60-70 ft. lbs. (80-93 N-m).
16. Lubricate the spindle with a high quality ball bearing grease.

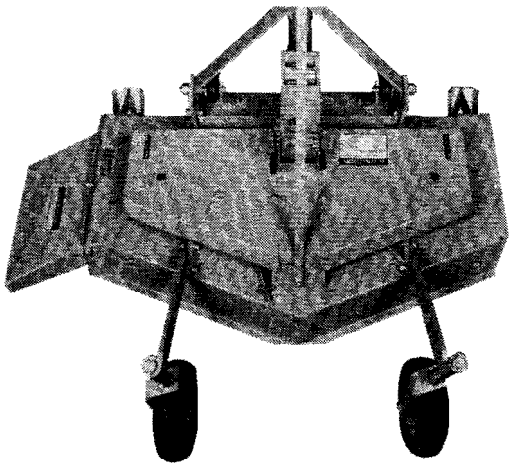
NOTE: Pump grease slowly (with spindle in vertical position) until it begins to flow past upper seal lip to assure 100% grease packing.

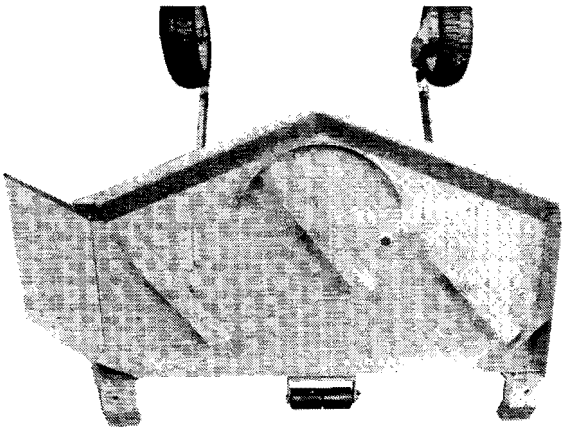
SPECIFICATIONS

KUBOTA B3548 REAR-MOUNT 48'' ROTARY MOWER

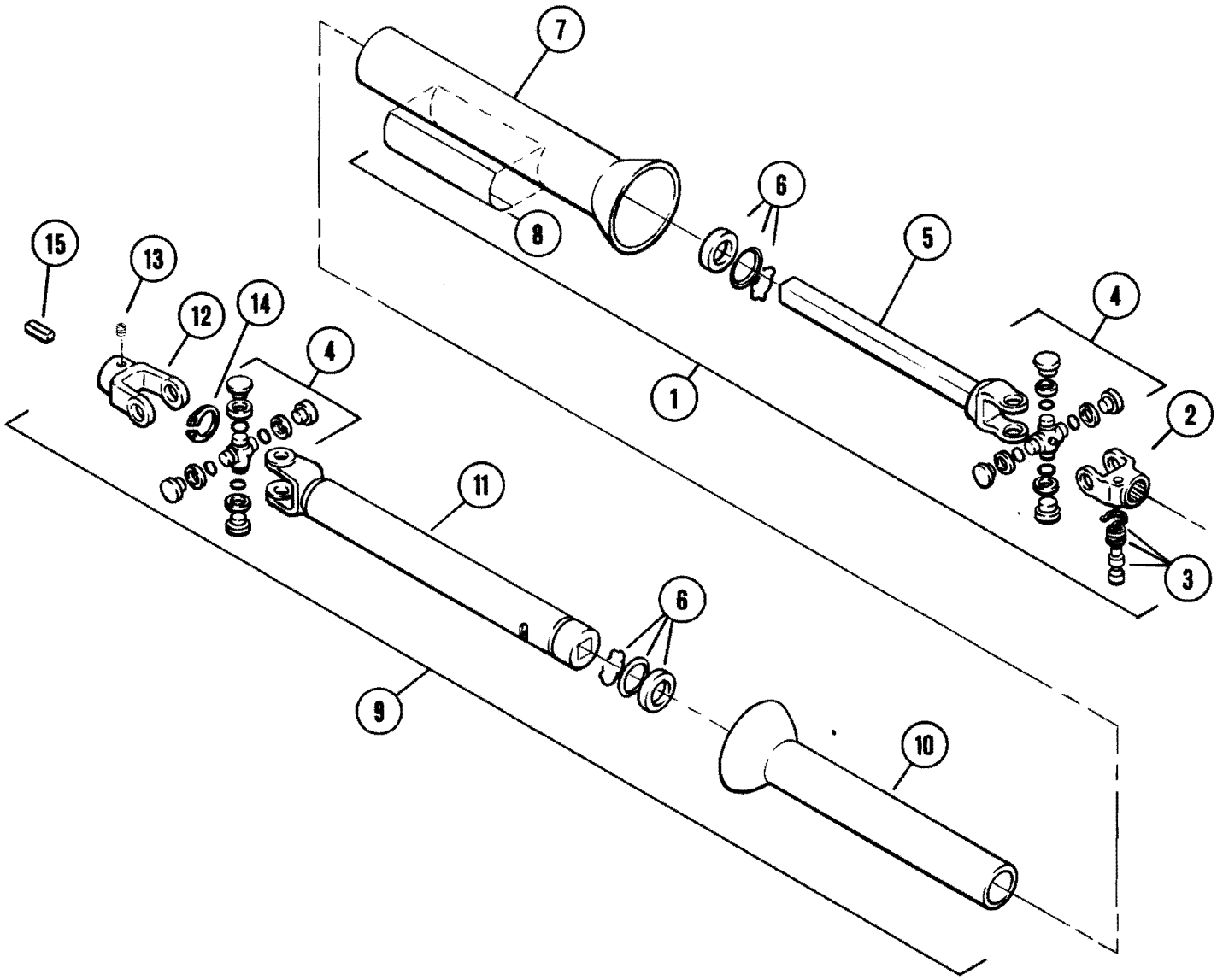
(for Kubota B6100/B7100 Tractors - see page 3 for approved model application)

Overall Length	42'' (1067mm)
Overall Width	58.5'' (1486mm)
Number of Blades	3
Cutting Height	1.5 to 5'' in .5'' increments (38 to 127mm in 12.7mm)
Cutting Width	48'' (1219mm)
Blade Length and Width	16.69'' (424mm) X 2.5'' (63.5mm)
Blade Overlap	1.0'' (25mm)
Blade Tip Speed at 2800 ERPM (876 PTO)	15,134 feet/min. (277 Km/h)
Anti-Scalp Roller/Skids	Dual rollers (front center, fixed) and adjustable skids (both front corners)
Gauge Wheels	10'' (254mm) Semi-Pneumatic
Front Carrier Chains	Eyebolt adjustment
Belt Drive	B-Section, spring tensioned
PTO Driveline	12N Series, shielded
Tractor Mounting	Kubota modified Category 1
PTO Speed, rated (2800 ERPM, PTO Speed #2)	876 RPM maximum
Maximum Tractor HP	20 SAE HP
Net Weight	274 lbs. (125 Kg.)





Note: Specifications and Design subject to change without notice.

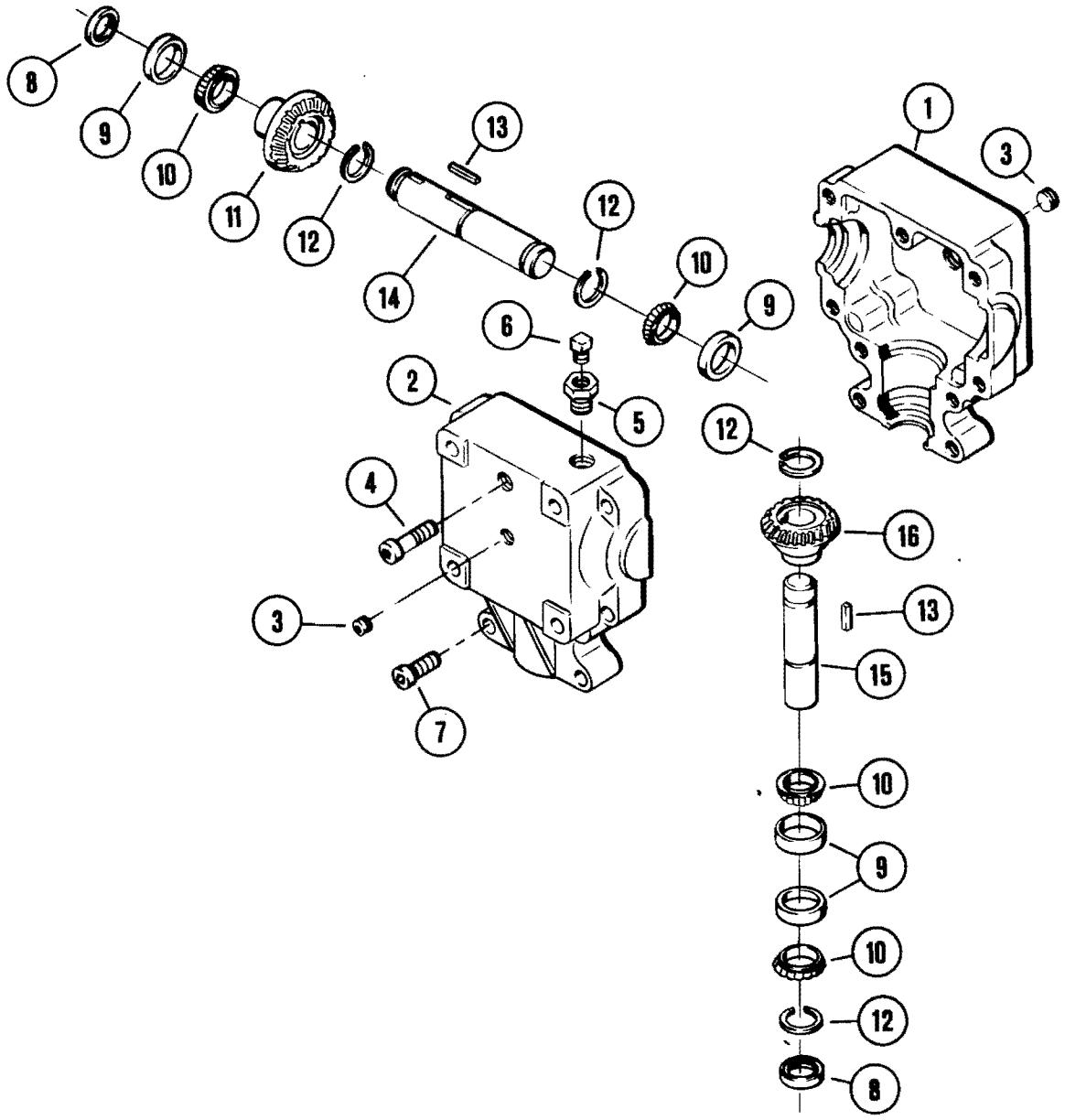


PTO DRIVESHAFT ASSEMBLY

Indented part number indicates part is included in previous assembly.

Ref. No.	Part No.	Description	No. Req'd Per Asy.
--	70080-01312	PTO Driveshaft Asy. Complete less items # 14 & 15	1
1	70080-01313	Driveshaft Asy. - Tractor Half	1
2	.70080-01314	Yoke, Tractor	1
3	.70080-01315	Snap Pin Kit Complete	1
4	.70080-01316	Cross & Bearing Kit	1
5	.70080-01317	Yoke & Shaft Asy.	1
6	.70080-01318	Nylon Bearing, Washer & Spring Kit	1
7	.70080-01319	Outer Shield	1
8	..70080-01320	Decal, PTO Danger	1
9	70080-01321	Driveshaft Asy. - Implement Half	1
10	.70080-01322	Inner Shield	1
6	.70080-01318	Nylon Bearing, Washer & Spring Kit	1
11	.70080-01323	Yoke & Sleeve Asy.	1
4	.70080-01316	Cross & Bearing Kit	1
12	.70080-01324	Yoke, Implement w/Set Screw	1
13	..70070-00333	—Setscrew, 3/8-16 x 1/2	1
14	70070-00131	Snap Ring, 1" External	1
15	O/L	Key, 1/4" sq. x 1"	1

"O/L" - All fasteners marked "O/L" can usually be obtained locally. Be sure to use heat treated (Grade 5 or equal) fasteners when replacing original items.



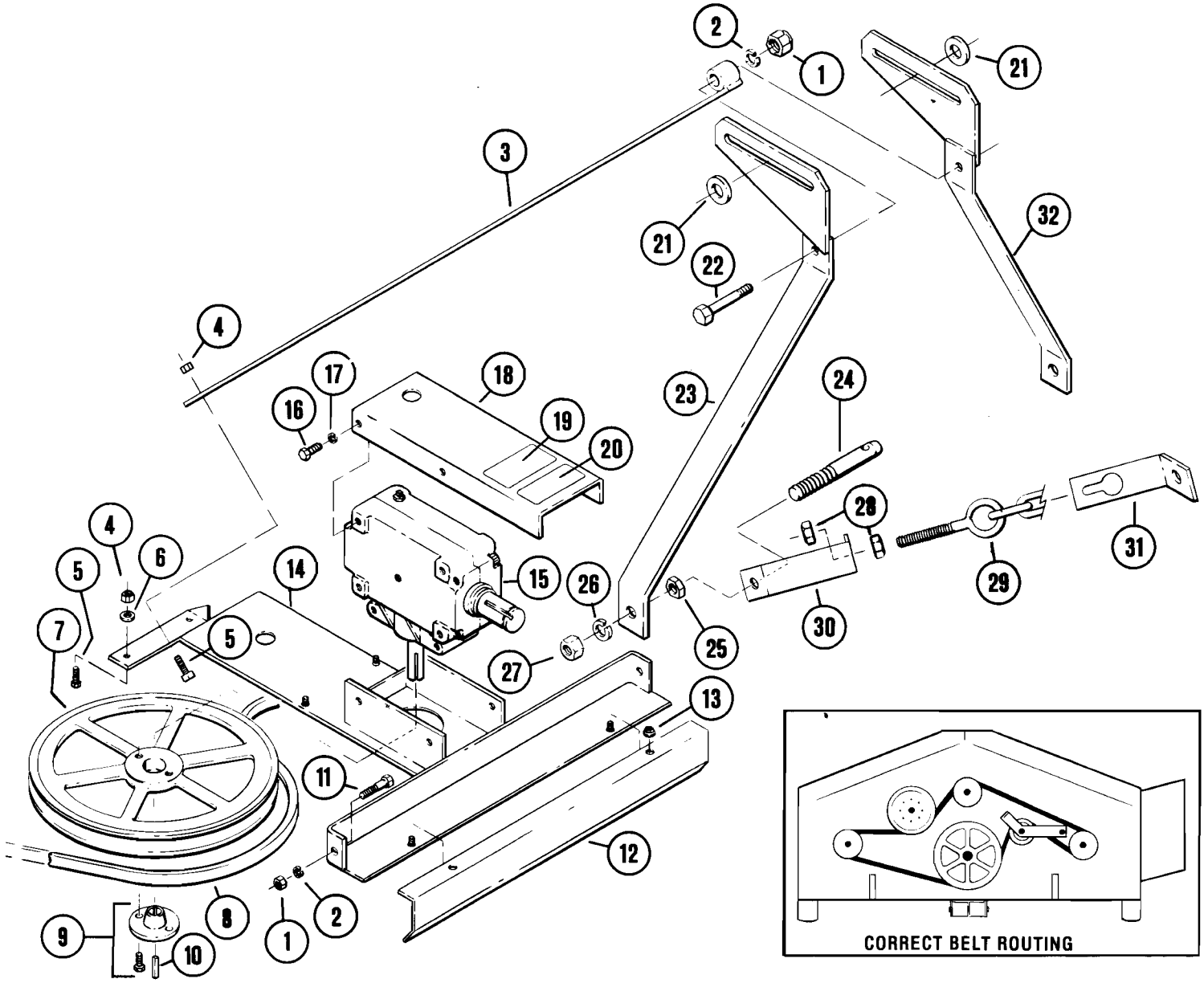
GEARBOX ASSEMBLY

Indented part number indicates part is included in previous assembly.

Ref. No.	Part No.	Description	No. Req'd Per Asy.
--	70080-01294	Gearbox Asy.	1
1	.70080-01295	Housing, w/Threaded Holes	1
2	.70080-01296	Housing, w/Thru Holes	1
3	.70080-01297	Plug	2
4	.70080-01298	Capscrew, 3/8 - 16 UNC x 2-1/2 Socket Hd.	7
5	.70080-01299	Bushing, Pipe	1
6	.70080-01300	Vent Plug	1
7	.70080-01301	Capscrew, 3/8 - 16 UNC x 1-1/2 Socket Hd.	2
8	.70080-01302	Seal	2
9	.70080-01303	Cup, Bearing	4
10	.70080-01304	Cone, Bearing	4
11	.70080-01305	Gear, 19T	1
12	.70080-01306	Retaining Ring	4
13	O/L	Key, 1/4" sq. x 7/8	2
14	.70080-01307	Shaft, Cross	1
15	.70080-01308	Shaft, Pinion	1
16	.70080-01309	Gear, 14T	1
*	.70080-01310	Locquic Primer, 6 oz.	-
*	.70080-01311	Loctite, 504-10 cc	-

"O/L" - All fasteners marked "O/L" can usually be obtained locally. Be sure to use heat treated (Grade 5 or equal) fasteners when replacing original items.

* Not illustrated



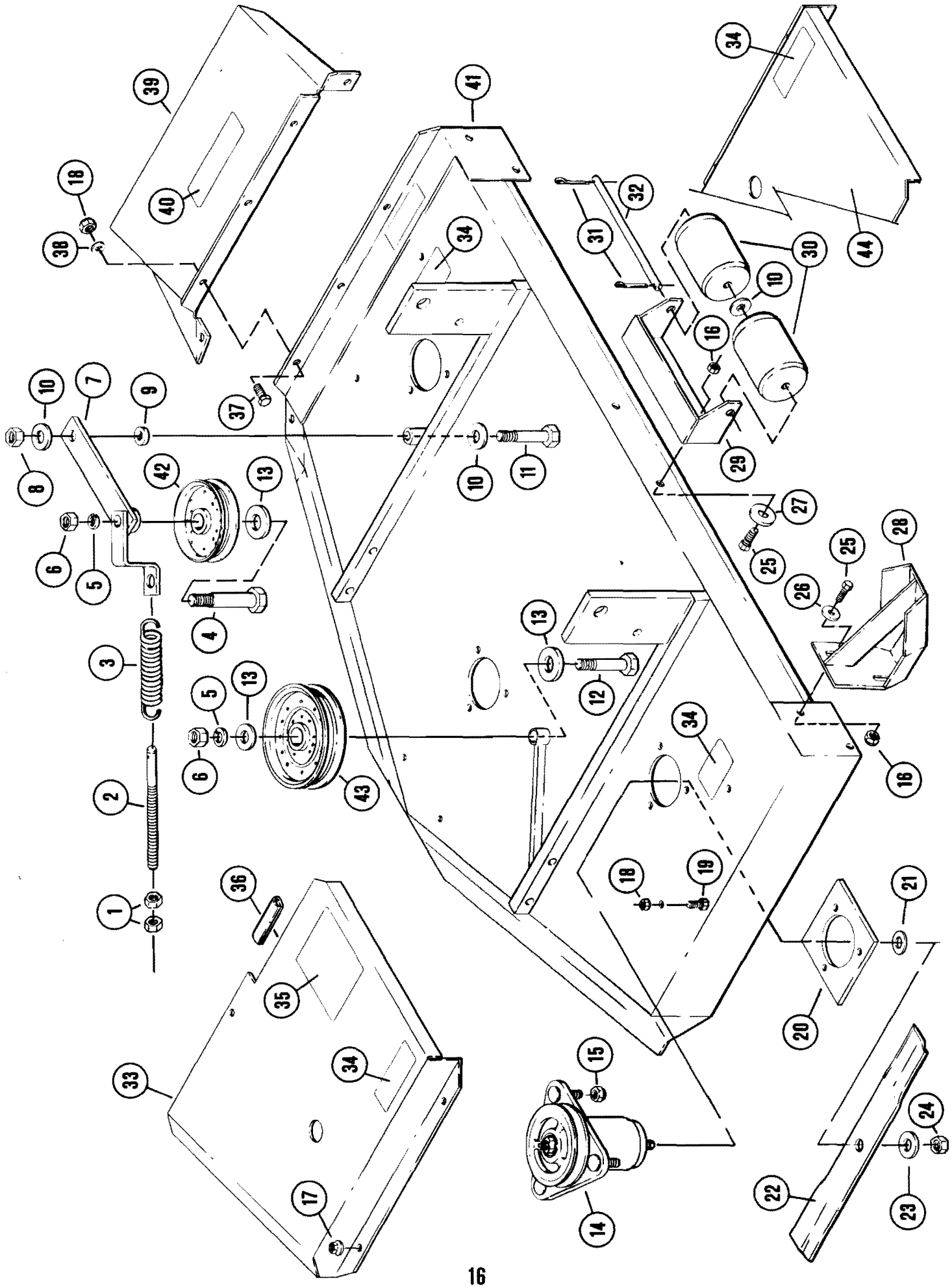
CORRECT BELT ROUTING

MOUNTING BRACKETS & SHIELDS
(Including Belt, Drive Pulley, Mast & Chains)

Indented part number indicates part is included in previous assembly.

Ref. No.	Part No.	Description	No. Req'd No. Asy.
1	O/L	Nut, 5/8-11 UNC	3
2	O/L	Lockwasher, 5/8	3
3	70080-01273	Brace, Rear	1
4	O/L	Locknut, 3/8-16 UNC	4
5	O/L	Capscrew, 3/8-16 UNC x 1	4
6	O/L	Washer, 3/8	2
7	70080-01274	Pulley-Drive, 13-3/4" Dia.	1
8	70080-01245	Belt, B96 Special	1
9	70080-01275	Collet, Hub w/capscrews	1
10	O/L	Key, 1/4" sq. x 1-1/4	1
11	O/L	Capscrew, 5/8 -11 UNC x 1-1/2	2
12	70080-01276	Shield, Front Pulley	1
13	O/L	Locknut, Flanged, 5/16 - 18 UNC	2
14	70080-01277	Frame, Gearbox Mtg.	1
15	70080-01294	Gearbox Asy. (See pg. 14 for breakdown)	1
16	O/L	Capscrew, 3/8 - 16 UNC x 3/4	8
17	O/L	Lockwasher, 3/8	8
18	70080-01278	Shield, Front - Gearbox	1
19	.70080-01279	Decal, PTO Speed	1
20	.70080-00260	Decal, Caution Shield	1
21	70080-01291	Washer, 3/4 Flat SAE	2
22	O/L	Capscrew, 5/8 - 11 UNC x 3	1
23	70080-01281	Mast, R.H.	1
24	70080-01282	Hitch Pin, w/Hardware	2
25	O/L	Jam Nut, 7/8 - 14 UNF	1
26	O/L	Lockwasher, 7/8	1
27	O/L	Nut, 7/8 - 14 UNF	1
28	O/L	Nut, 3/8 - 16 UNC	4
29	70080-01283	Chain & Eyebolt Asy.	2
30	70080-01251	Bracket, Lower	2
31	70080-01252	Bracket, Upper	2
32	70080-01280	Mast, L.H.	1

"O/L" - All fasteners marked "O/L" can usually be obtained locally. Be sure to use heat treated (Grade 5 or equal) fasteners when replacing original items.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MAIN FRAME & RELATED PARTS

(Includes deck, skids, front roller, discharge shield, idler pulleys & blades)

Indented part number indicates part is included in previous assembly.

Ref. No.	Part No.	Description	No. Req'd Per Asy.
1	O/L	Nut, 3/8 - 16 UNC	2
2	70080-01265	Rod, Adjusting	1
3	70080-00250	Spring	1
4	O/L	Capscrew, 5/8 - 11 UNC x 2-1/2	1
5	O/L	Lockwasher, 5/8	2
6	O/L	Nut, 5/8 - 11 UNC	2
7	70080-01266	Arm, Idler	1
8	O/L	Locknut, 1/2 - 13 UNC	1
9	70080-01267	Spacer, Pivot	1
10	O/L	Washer, 1/2	3
11	O/L	Capscrew, 1/2 - 13 UNC x 3-3/4	1
12	O/L	Capscrew, 5/8 - 11 x 3-1/2	1
13	O/L	Washer, 5/8	3
14	70080-01261	Housing, Spindle & Pulley Asy.	3
15	70080-01253	Locknut, 7/16 - 14 UNC	9
16	O/L	Locknut, 3/8 - 16 UNC	6
17	70080-01326	Locknut, Flanged, 5/16 - 18 UNC	6
18	O/L	Locknut, 5/16 - 18 UNC	9
19	O/L	Capscrew, 5/16 - 18 UNC x 1	4
20	70080-01268	Plate, Spindle Support	3
21	70080-00257	Washer, Fiber	3
22	70080-01269	Blade, Mower	3
23	O/L	Washer, 3/4 Flat	3
24	70080-01210	Nut, Jam L.H., 3/4 - 16 UNF	3
25	O/L	Capscrew, 3/8 - 16 UNC x 1	6
26	O/L	Washer, 3/8	4
27	70080-01270	Washer, 3/8, 1-1/2 Dia.	2
28	70080-01271	Skid, Front	2
29	70080-01272	Bracket, Roller	1
30	70080-01327	Roller, Antiscalp	2
31	O/L	Cotter Pin, 1/8 x 1	2
32	70080-01254	Shaft	1
33	70080-01256	Shield, Belt, R.H.	1
34	.70080-00260	Decal, Caution-Shield	1
35	.70080-00262	Decal, Operating Safety	1
36	70080-00345	Isolator	2
*	70080-00308	Decal, Kubota Trademark	2
37	O/L	Capscrew, 5/16 - 18 UNC x 3/4	5
38	O/L	Washer, 5/16	5
39	70080-01257	Shield, Discharge	1
40	.70080-00259	Decal, Caution-Discharge	1
41	70080-01258	Deck Asy.	1
34	.70080-00260	Decal, Caution-Shield	2
42	70080-01259	Pulley, Idler - 4"	1
43	70080-01260	Pulley, Idler - 6"	1
44	70080-01255	Shield, Belt, L.H.	1
34	.70080-00260	Decal, Caution-Shield	1

"O/L" - All fasteners marked "O/L" can usually be obtained locally. Be sure to use heat treated (Grade 5 or equal) fasteners when replacing original items.

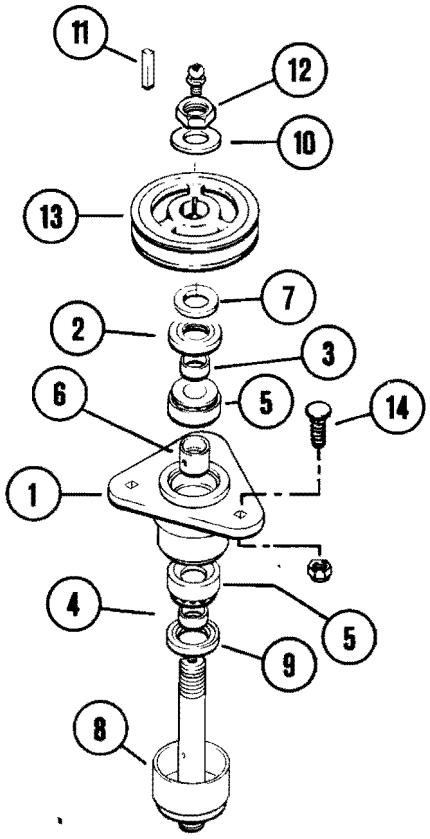
* Not illustrated.

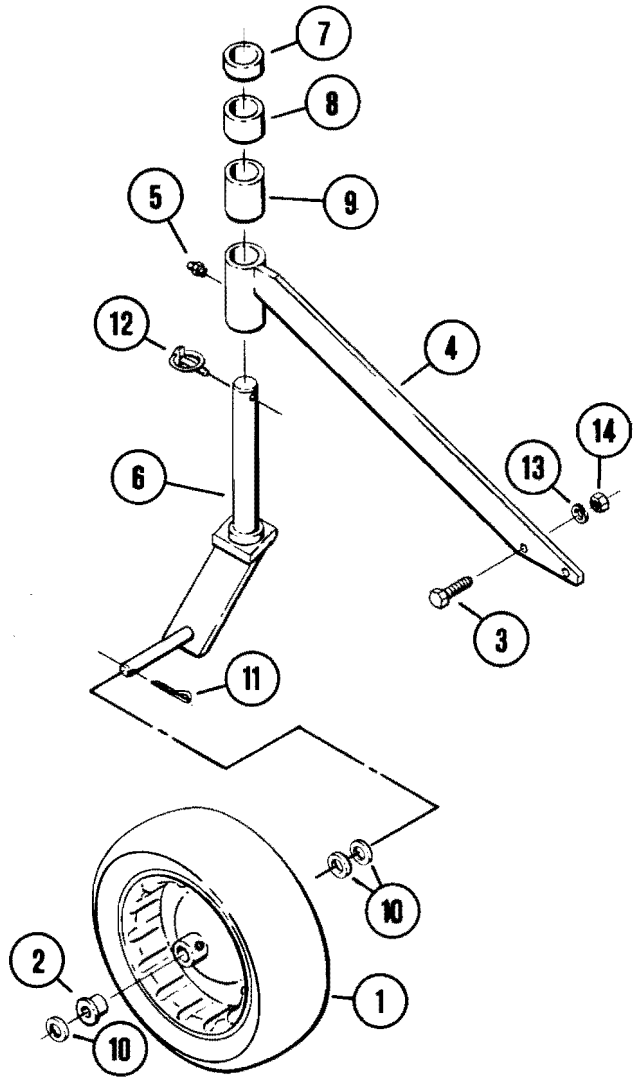
HOUSING & SPINDLE ASSEMBLY

Indented part number indicates part is included in previous assembly.

Ref. No.	Part No.	Description	No. Req'd Per Asy.
--	70080-01261	Complete Asy., Housing, Spindle & Pulley	3
1	.70080-00202	Housing	1
2	.70080-00242	Seal	1
3	.70080-00216	Spacer, Seal	1
4	.70080-01204	Spacer, Seal	1
5	.70080-00240	Bearing Asy.	2
6	.70080-00215	Spacer, Bearing	1
7	.70080-01262	Spacer, Pulley	1
8	.70080-01263	Spindle	1
9	.70080-01328	Seal	1
10	.70080-01291	Washer, 3/4 Flat SAE	1
11	O/L	Key, 1/4" sq. x 15/16	1
12	.70080-01208	Nut, L.H. 3/4 - 16 UNF	1
13	.70080-01264	Pulley, Spindle - 4.95 Dia.	1
14	.70080-01325	Bolt, Carriage, 7/16 - 14 UNC x 1-1/4	3

"O/L" - All fasteners marked "O/L" can usually be obtained locally. Be sure to use heat treated (Grade 5 or equal) fasteners when replacing original items.





REAR WHEELS & MOUNTING BRACKETS

Indented part number indicates part is included in previous assembly.

Ref. No.	Part No.	Description	No. Req'd Per. Asy
1	70080-01284	Wheel	2
2	.70080-01285	Bushing, 3/4	2
3	O/L	Capscrew, 1/2 - 13 x 1-3/4	4
4	70080-01286	Bracket Asy., Wheel	2
5	.70070-00181	Fitting, Grease	1
6	70080-01287	Fork, Wheel	2
7	70080-01288	Spacer, 1/2 inch	2
8	70080-01289	Spacer, 1 inch	2
9	70080-01290	Spacer, 2 inch	2
10	70080-01291	Washer, 3/4 Flat SAE	6
11	70080-01292	Cotter Key, 3/16 x 1-1/2	2
12	70080-01293	Lynch Pin, 1/4"	2
13	O/L	Lockwasher, 1/2	4
14	O/L	Nut, 1/2 - 13 UNC	4

"O/L" - All fasteners marked "O/L" can usually be obtained locally. Be sure to use heat treated (Grade 5 or equal) fasteners when replacing original items.