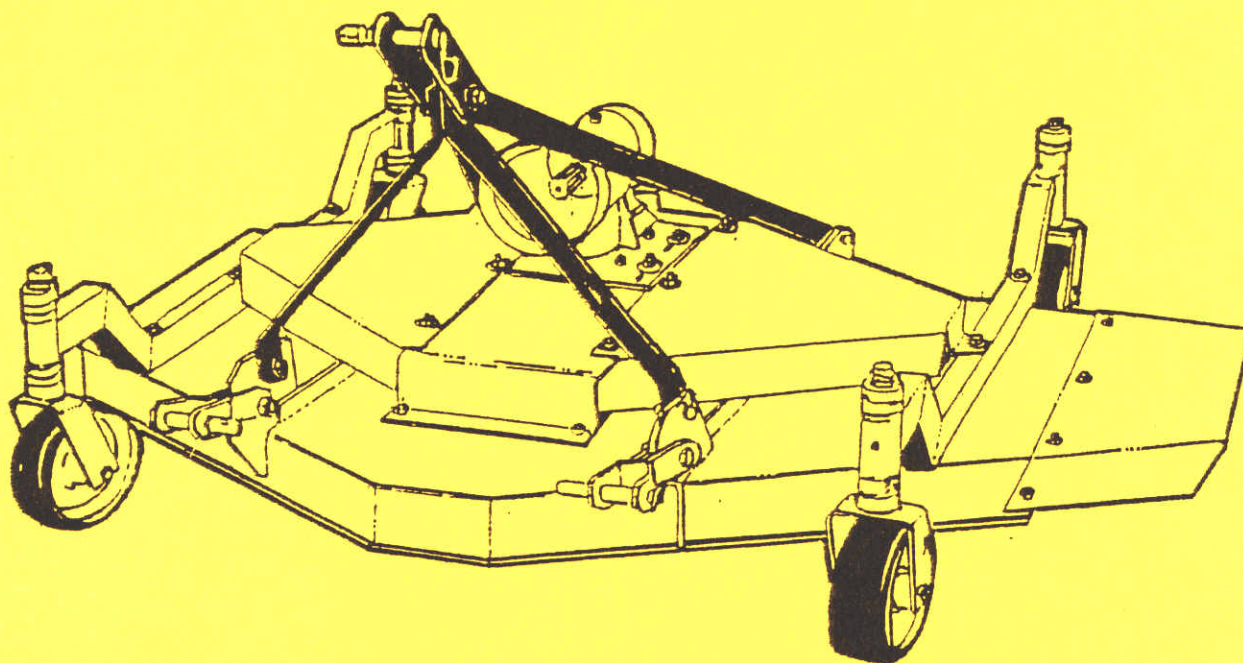


LMC

AGRICULTURAL

FINISH MOWER



OPERATOR / PARTS MANUAL



L & S Wholesale Distrib.-Lowery MFG CO.,

145 Alabama Hwy.179

BOAZ, ALABAMA 35957

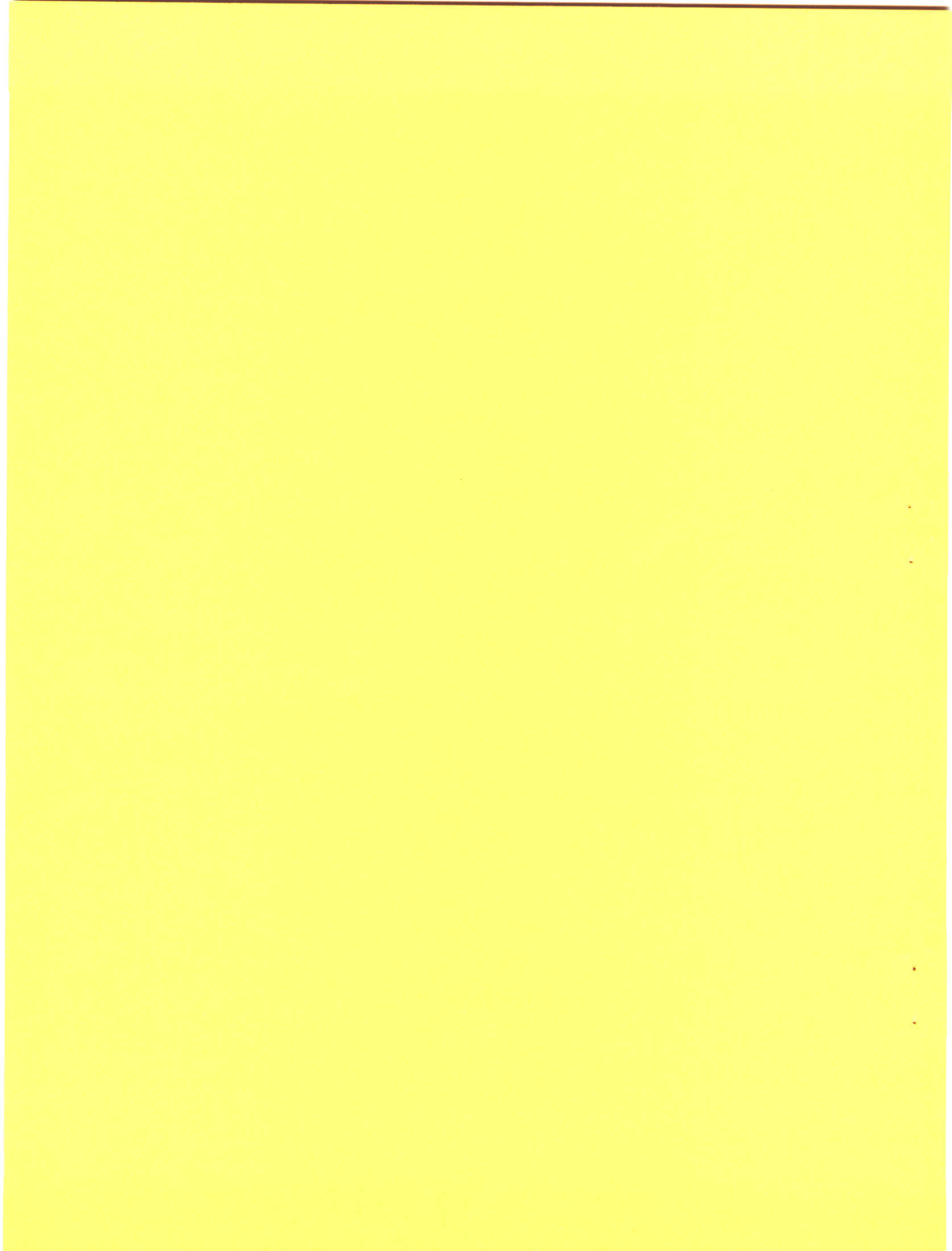


TABLE OF CONTENTS

SYMBOLS.....	2
SAFETY PRECAUTIONS.....	3
START-UP CHECKLIST.....	4
ATTACHING MACHINE TO TRACTOR.....	5
ALTERING THE PTO.....	6
CUTTING HEIGHT ADJUSTMENT.....	7
PRACTICAL HINTS.....	8
UNHITCHING OF THE MACHINE.....	9
MAINTANANCE.....	10
BELT REPLACEMENT.....	11
PARTS LIST.....	12

SAFETY PRECAUTIONS

ATTENTION THESE SYMBOLS MEAN:



CAUTION - YOUR SAFETY IS INVOLVED !!



READ CAREFULLY

SAFETY DECALS

VERY IMPORTANT : TO HELP PREVENT INJURIES, THIS MACHINE IS LABELED WITH SAFETY AND WARNING DECALS. CHECK TO SEE THAT ALL DECALS ARE ON THE MACHINE, IF NOT DO NOT USE THE MACHINE AND REPORT THIS TO THE DEALER IMMEDIATELY.



DECALS ON THE MACHINE ARE:

**DANGER**



**ROTATING DRIVELINE
CONTACT CAN CAUSE DEATH
KEEP AWAY!**

DO NOT OPERATE WITHOUT



- ALL DRIVELINE, TRACTOR AND EQUIPMENT SHIELDS IN PLACE
- DRIVELINES SECURELY ATTACHED AT BOTH ENDS
- DRIVELINE SHIELDS THAT TURN FREELY ON DRIVELINE.

**DANGER**



ENTANGLEMENT WITH ROTATING DRIVE PARTS CAN CAUSE INJURY OR DEATH.
KEEP ALL POWER DRIVE SYSTEM SAFETY SHIELDS IN PLACE.
OPERATE ONLY WITH 540 RPM PTO

**DANGER**

KEEP AWAY FROM THE INTAKE AND DISCHARGE OPENING WHILE KNIVES ARE IN MOTION.
SERIOUS INJURY OR DEATH CAN RESULT FROM THROWN OBJECTS OR BLADE CONTACT.

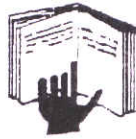
**WARNING**

1. KEEP ALL SHIELDS, GUARDS AND DEFLECTORS IN PLACE.
2. READ OPERATOR'S MANUAL AND FOLLOW ALL SAFETY PRECAUTIONS (CONTACT DEALER FOR MANUAL).
3. BEFORE SERVICING WORKING ON OR MAKING ADJUSTMENTS ON MACHINES:
DISENGAGE POWER
SHUT OFF ENGINE
MAKE SURE KNIFE ARMS HAVE STOPPED REVOLVING
4. DO NOT OPERATE MACHINE IN VICINITY OF OTHER PERSONS, NO RIDERS.
5. DO NOT OPERATE P.T.O. IN TRANSPORT POSITION
6. LOWER IMPLEMENT STOP ENGINE AND REMOVE KEY BEFORE DISMOUNTING TRACTOR.

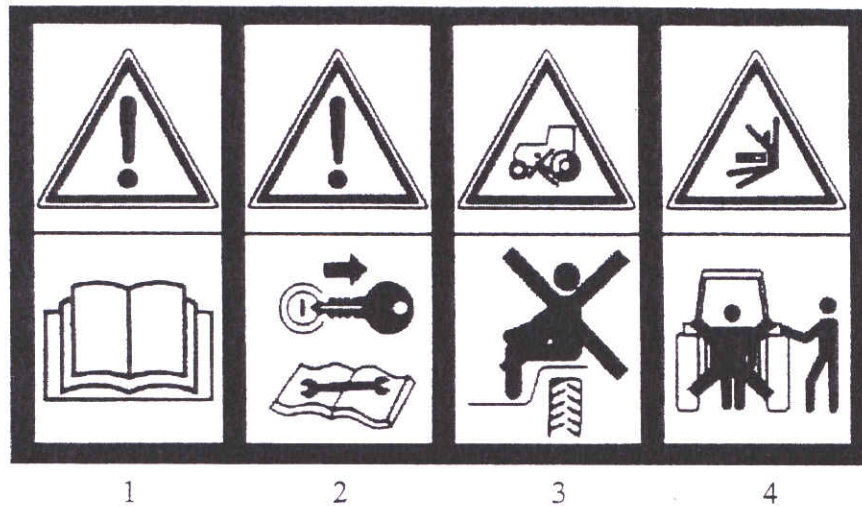
**DANGER**





DO NOT RAISE MACHINE MORE THAN 10 INCHES (254 mm) OFF GROUND WHILE TRACTOR PTO IS ENGAGED OR DRIVELINE FAILURE MAY OCCUR CAUSING POSSIBLE INJURY OR DEATH TO TRACTOR OPERATOR

SAFETY AND WARNING DECALS






Safety decals on the implement contain important safety warning messages. To prevent injuries we invite the operator to read them carefully and keep them clear. Check that all the decals are on the machine. If not, DO NOT USE the machine and report to the Dealer immediately to get the decals. Decals on the machine are the following and mean:



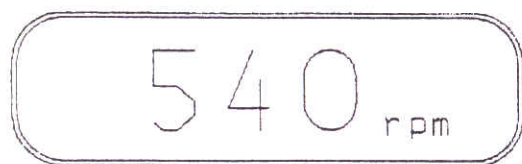
-  1. Before operating the equipment, read carefully the operator's manual.
-  2. Before maintenance operation, disengage the tractor PTO, lower the implement, shut off the engine, remove the ignition key and read the operator's manual.
-  3. Do not allow riders on tractor or implement.
-  4. Do not stand up behind the tractor during the operations.



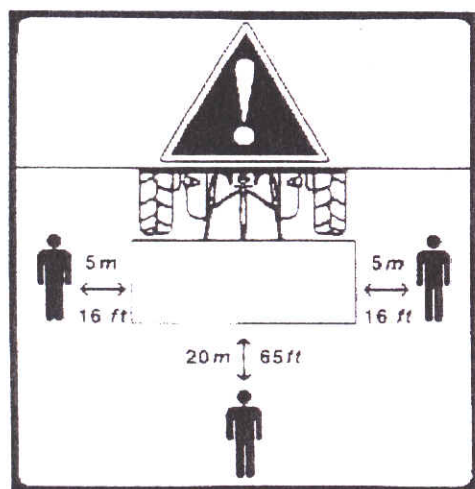
-  5. Before connecting PTO shaft to the tractor read operator's manual carefully.
-  6. DANGER! Entanglement of driveline.
-  7. KEEP AWAY from driveline in operation: contact can cause death!



8. **Danger.** Your hands and feet can be injured by moving parts. Keep away from the implement.



9. The machine is designed for use on tractors with 540 RPM PTO only.



10. **Caution!** During working operations all bystanders must stay beyond the above shown distances from the implement.

SAFETY PRECAUTIONS

A MAJOR CONCERN IN OPERATING EQUIPMENT IS SAFETY. YOU, THE OPERATOR, CAN AVOID MANY ACCIDENTS BY OBSERVING THE FOLLOWING PRECAUTIONS:

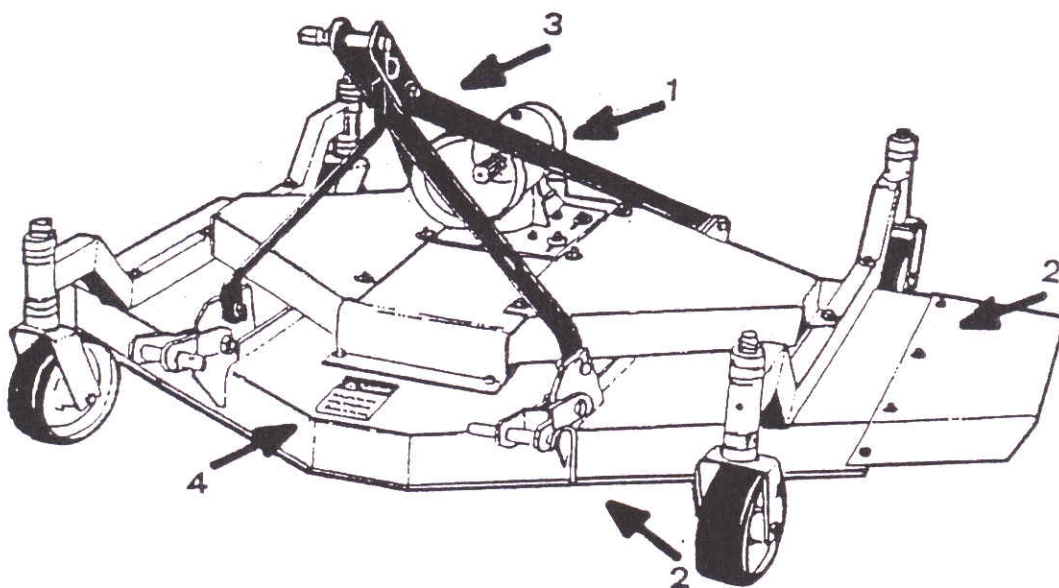
STUDY AND FOLLOW THESE SAFETY PRECAUTIONS AND INSIST THAT THOSE WORKING WITH YOU FOLLOW THEM.

1. INSPECT ALL PARTS OF THE MACHINE ANYTIME YOU INTEND TO PUT IT TO WORK.
2. CHECK ALL BOLTS AND NUTS AND TIGHTEN THOSE NECESSARY.
3. BEWARE OF BYSTANDERS WHILE OPERATING THIS MACHINE.
4. DO NOT ALLOW ANYONE TO STAND OR SIT ON THE MACHINE WHILE IT IS BEING OPERATED OR TRANSPORTED.
5. DO NOT ALLOW CHILDREN TO PLAY OR OPERATE THIS MACHINE.
6. KEEP HANDS, FEET, AND CLOTHING AWAY FROM ALL MOVING PARTS.
7. DO NOT LEAVE THE TRACTOR SEAT UNTIL THE ENGINE IS SHUT OFF, BRAKES LOCKED, AND THE MACHINE LOWERED TO GROUND.
8. MAINTAIN ALL SHIELDS AND DEFLECTORS IN PLACE, PROPERLY WORKING AT ALL TIMES.
9. NEVER USE MACHINE TO TRANSPORT PEOPLE OR THINGS.
10. ALWAYS BE SURE ANY NEW OPERATORS HAVE A THOROUGH UNDERSTANDING OF THE MACHINE AND THAT THEY FOLLOW ALL SAFETY PRECAUTIONS.
11. KEEP ALL SAFETY DECALS CLEAN, AND REPLACE MISSING OR DAMAGED DECALS PROMPTLY.
12. KEEP YOUR MACHINE IN GOOD WORKING CONDITION, AND ALWAYS CONTACT YOUR DEALER FOR REPAIRS.
13. AVOID HITTING OBSTRUCTIONS AND WORKING IN CONDITIONS WHICH MIGHT CREATE EXCESSIVE STRAIN ON THE MACHINE OR THE TRACTOR.
14. NEVER ATTEMPT TO ADJUST OR PERFORM MAINTENANCE ON THIS MACHINE WHILE IT IS BEING OPERATED.

START-UP CHECKLIST

BEFORE MOUNTING THIS MACHINE TO THE TRACTOR, YOU SHOULD INSPECT THE FOLLOWING:

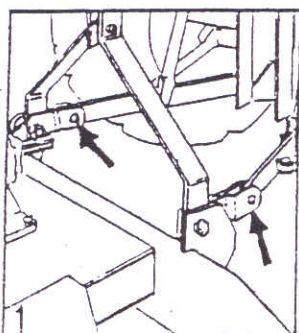
1. OIL LEVEL IN THE GEARBOX. THIS CHECK IS MADE BY REMOVING THE OIL LEVEL PLUG ON THE SIDE OF THE GEARBOX HOUSING. THE OIL IS OK IF YOU CAN SEE IT AT THE SAME LEVEL WITH THE HOLE. (REF.1)
2. CHECK FOR LOOSE BOLTS AND NUTS ESPECIALLY THOSE OF THE BLADES AND TIGHTEN AS NEEDED. (REF.2)
3. THE 3PT HITCH LINKAGES, AND ALL COMPONENTS SECURELY IN PLACE. (REF.3)
4. SAFETY DECALS ! ALL TO BE ON THE MACHINE CLEARLY VISIBLE AND LEGIBLE. (REF.4)



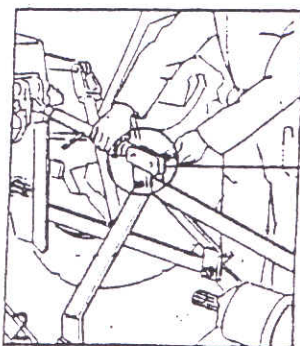
ATTACHING MACHINE TO THE TRACTOR



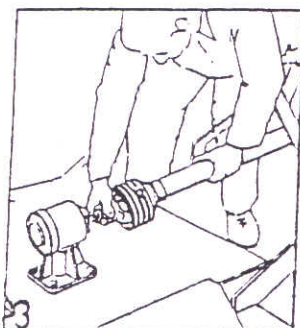
WARNING ! MAKE SURE THE TRACTOR ENGINE IS OFF AND THE KEY REMOVED BEFORE HITCHING MACHINE TO THE TRACTOR.



1. SLIP THE TRACTOR LIFT ARMS ON THE MACHINE MOUNTING PINS AND SECURE IMMEDIATELY WITH LOCK PINS. (REF.1)



2. ATTACH THE TRACTOR TOP LINK TO THE UPPER HITCH OF THE MACHINE AND SECURE WITH LOCK PIN. MAKE SURE THAT THE 3PT HITCH LINKAGE CAN BE LOWERED. (REF.2)

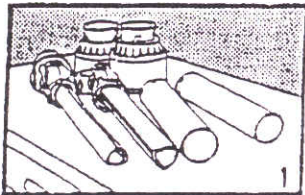


3. CONNECT THE PTO SHAFT TO THE MACHINE AND THE TRACTOR WITH BOTH LOCKING PINS IN THEIR GROOVES. IF PTO IS TOO LONG, SEE ALTERING THE PTO. (NEXT PAGE)

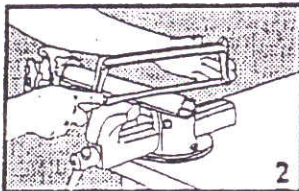
ALTERING THE PTO SHAFT

THE MAXIMUM LENGTH OF THE PTO SHAFT SHOULD NOT BE EXTENDED OVER 48" INCHES. (REF. 4)

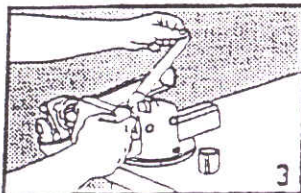
DUE TO THE DIFFERENT TYPES OF TRACTORS, THE PTO SHAFT MAY NEED TO BE SHORTENED; PLEASE FOLLOW THESE STEPS AFTER HAVING DETERMINED THE RIGHT LENGTH OF THE SHAFT.



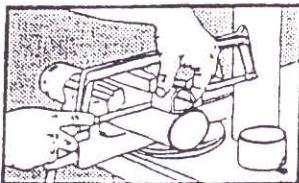
1. REMOVE PLASTIC PROTECTION.



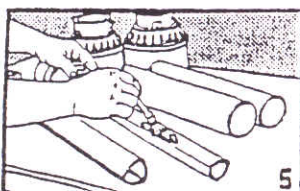
2. CUT THE EXCESS LENGTH OF BOTH TUBES.



3. DEBURR AND CLEAN THE SAWED-OFF ENDS OF TUBES.



4. CUT THE PLASTIC PROTECTION TO THE SAME LENGTH YOU HAVE CUT THE TUBES.



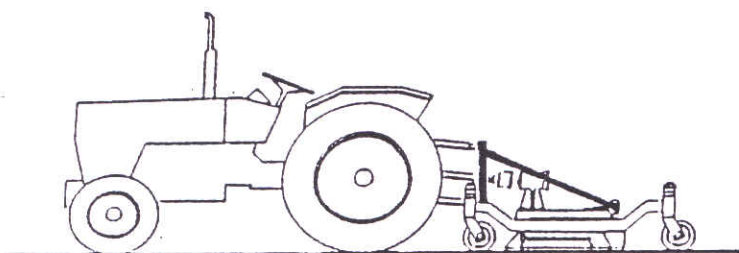
5. PUT GREASE TO THE MALE TUBE AND REASSEMBLE TUBES AND PROTECTION SHIELDS.

CUTTING HEIGHT ADJUSTMENTS

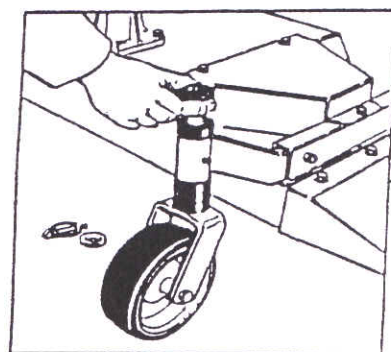


WARNING : ALWAYS SWITCH OFF ENGINE AND REMOVE KEY BEFORE MAKING ANY ADJUSTMENTS.

1. TRACTOR AND MACHINE MUST BE ON LEVEL SURFACE. (REF.1)



Ref. 1



2. THE CUTTING HEIGHT IS EASILY ADJUSTED BY EITHER PUTTING THE SPACERS BELOW THE MOUNTING ARMS OF THE GAUGE WHEELS, RESULTING IN A HIGHER CUT, OR ABOVE THEM RESULTING IN A LOWER CUT. (REF.2)
3. SPACER PLACEMENT MUST BE THE SAME FOR ALL 4 GAUGE WHEELS. AFTER ADJUSTMENT REPLACE WASHER AND LOCK PIN.

IMPORTANT

AVOID EXTREMELY LOW CUTTING HEIGHTS. WHEN BLADES HIT THE GROUND, THE RESULTING SHOCK PRODUCES A VERY STRONG POSSIBILITY OF DAMAGING THE MOWER. IF THIS HAPPENS REPEATEDLY DAMAGE TO THE MOWER AND/OR TRANSMISSION WILL CERTAINLY RESULT.

LOWEST CUTTING HEIGHT ADJUSTMENT = 3/4" INCHES.

HIGHEST CUTTING HEIGHT ADJUSTMENT = 5" INCHES.

SOME PRACTICAL HINTS

1. GROUND SPEED DEPENDS ON THE NATURE OF THE TERRAIN, GRASS HEIGHT, TYPE, AND DENSITY OF GROWTH.
2. GROUND SPEED VARIES NORMALLY BETWEEN 1 AND 3 MPH.
3. OBVIOUSLY A HIGH AND DENSE GROWTH IS CUT AT A LOWER SPEED THAN A LOW SPARSE GROWTH.
4. ALWAYS CUT WITH THE PTO RUNNING AT 540 RPM; THIS WILL HELP INSURE YOU OF A CLEANER AND MORE EVEN CUT.
5. IF CONFRONTED WITH EXTREMELY HIGH GROWTH, MOW TWICE: THE FIRST WITH A HIGHER CUTTING HEIGHT, THEN WITH A LOWER CUTTING HEIGHT AT A OPPOSITE ANGLE TO THE FIRST CUT.
6. DON'T FORGET THAT NEW OR SHARPENED BLADES GIVE A BETTER CUT AND REQUIRES LESS HORSEPOWER.
7. INSTEAD OF CUTTING LOWER WITH LONGER INTERVALS IN BETWEEN, CONSIDER CUTTING MORE OFTEN BUT HIGHER. SHORT GRASS WILL GET IN TROUBLE FASTER IN HOT WEATHER.

BEGINNING WORK

1. CONNECT THE PTO SHAFT TO THE TRACTOR'S PTO AND THE MACHINES PTO SECURELY.
2. RAISE THE MACHINE ENOUGH TO CLEAR THE GROUND.
3. ENGAGE THE TRACTOR'S PTO DRIVE AND BEGIN DRIVING THE TRACTOR FOWARD WHILE GRADUALLY LOWERING THE MACHINE TO THE GROUND.



ALWAYS RAISE MACHINE ABOVE THE GROUND BEFORE ENGAGING THE PTO . OTHERWISE THIS COULD CAUSE DAMAGE TO YOUR MACHINE.

UNHITCHING THE MACHINE FROM THE TRACTOR

1. LOWER THE MACHINE TO THE GROUND.
2. SWITCH OFF THE TRACTOR ENGINE.
3. REMOVE THE TOP PIN AND DETACH THE TOP LINK.
4. DETACH THE LOWER LINKS.
5. DISCONNECT THE PTO SHAFT.

IF THE MACHINE IS TO REMAIN IN STORAGE FOR A LONG PERIOD OF TIME, WE SUGGEST THE FOLLOWING:

1. WASH AND DRY THE MACHINE.
2. CHECK ALL THE MOVING WEAR PARTS; FOR DAMAGE AND EXCESSIVE WEAR, CONTACT YOUR DEALER FOR REPAIRS.
3. CHECK BOLTS AND NUTS FOR PROPER TIGHTNESS.
4. CHECK OIL LEVELS. (SEE MAINTENANCE NEXT PAGE)
5. PROTECT AND LUBRICATE ALL UNPAINTED PARTS.
6. COVER MACHINE UNTIL NEXT USAGE.

MAINTENANCE



ATTENTION !!

NEVER PERFORM MAINTENANCE ON
THIS MACHINE WHILE THE TRACTOR
SWITCH IS ON. (REMOVE TRACTOR
IGNITION KEY)

EVERY 10 WORKING HOURS: CHECK FOR LOOSE BOLTS AND RETIGHTEN
AS NEEDED.

CLEAN THE PTO SHAFT TUBES WITH NON
TOXIC AND NON FLAMMABLE CLEANSER.

GREASE THE PIVOTS OF THE GUAGE
WHEELS
AND THE YOKES OF THE PTO
SHAFT. (REF. 1.1)

MAKE SURE THE SAFETY PROTECTION
SHIELDS ARE IN PLACE AND IN GOOD
WORKING ORDER. REPLACE WITH NEW
ORIGINAL EQUIPMENT PARTS AS NEEDED.

CLEAN BENEATH THE MOWER DECK OF
DRIED
CLIPPING BUILD UP.

EVERY 20 WORKING HOURS: CHECK OIL LEVEL IN GEARBOX. (REF. 1.2)
CHECK BELT TENSION AND CONDITION.

EVERY 100 WORKING HOURS: CHANGE ALL GEAR OIL, USING SAE 90
GEAR LUBE.

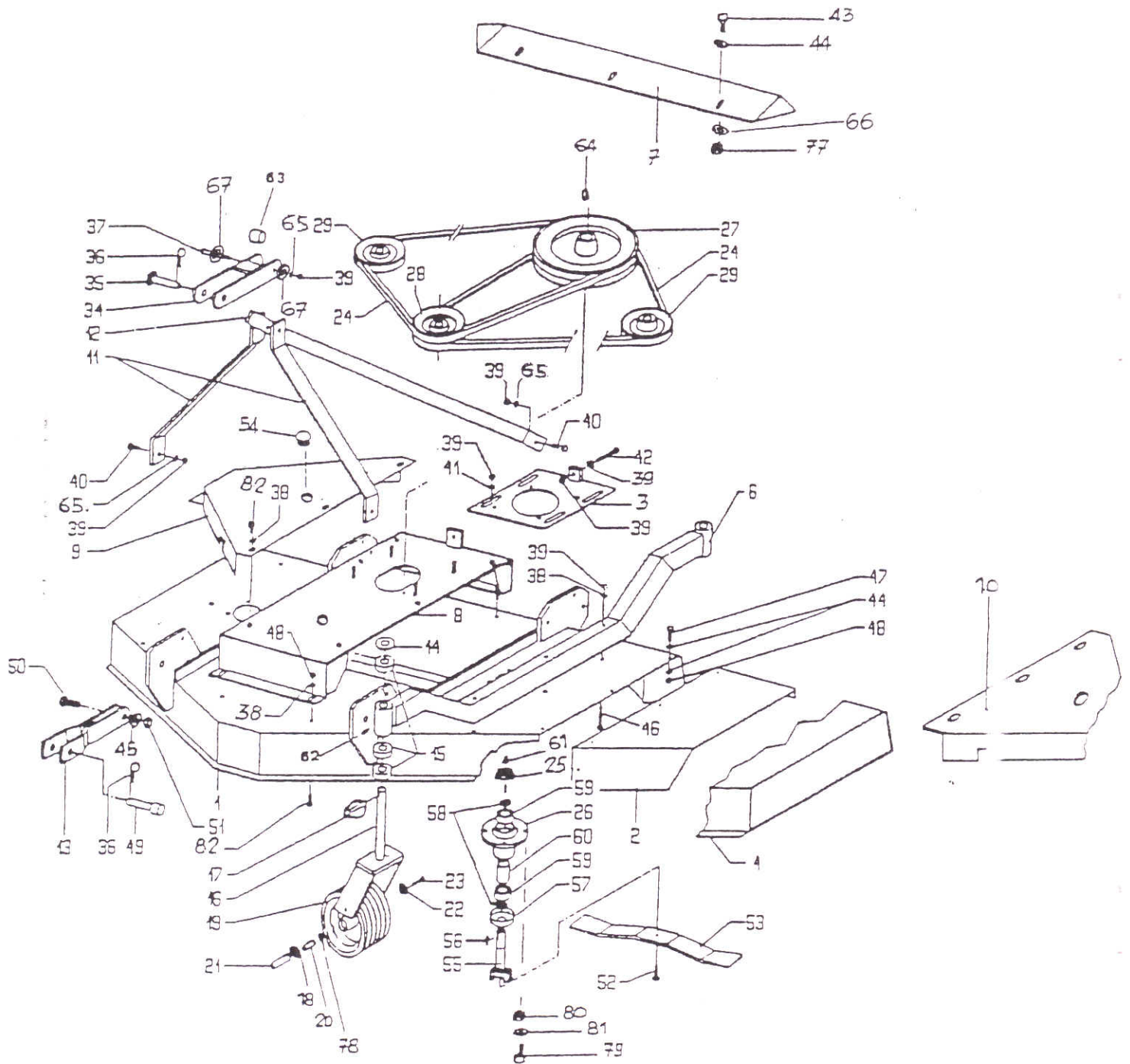
INSPECT BELT FOR WEAR, RELACE WITH
NEW ORIGINAL EQUIPMENT PARTS AS
NEEDED.

BELT REPLACEMENT

ONE OF THE MOST COMMON CAUSES OF BELT MALFUNCTION IS THE IMPROPER MOUNTING OR ADJUSTMENT OF BELT TENSION.

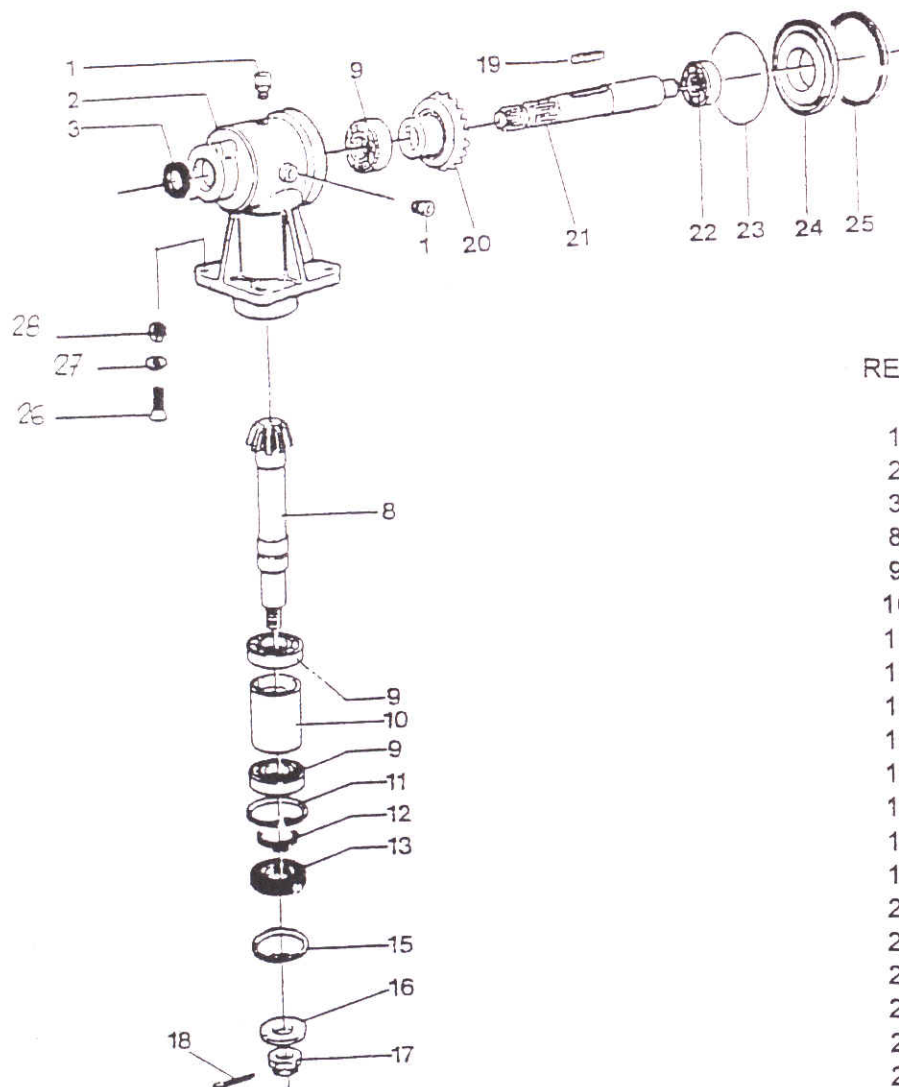
1. REPLACE DRIVE BELTS WHEN YOU SEE SIGNS OF DETERIORATION. NORMALLY AFTER 200 WORKING HOURS.
2. BEFORE MOUNTING THE NEW BELT CHECK PULLEYS, BEARINGS, AND PINS FOR WEAR.
3. AT THE SAME TIME CHECK THAT THE PULLEYS GROOVES ARE FREE OF RUBBER FROM THE OLD BELTS.
4. TRY TO AVOID EXCESSIVE PULL ON THE BELTS WHEN MOUNTING.
5. BELT TENSION IS MADE BY THE ADJUSTMENTS OF THE GEARBOX POSITION.

LMC



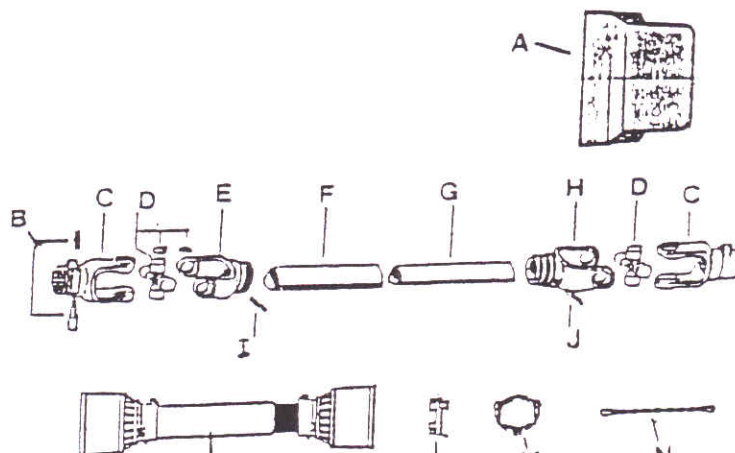
DECK > 76000

REF.	PART.#	Q.TY	DESCRIPTION	REF.	PART.#	Q.TY	DESCRIPTION
1	LMC241320	1	DECK 48 SIDE	29	LMC241313	2	OUTER PULLEY 48
1	LMC241321	1	DECK 60 SIDE	29	LMC241314	2	OUTER PULLEY 60
1	LMC241322	1	DECK 72 SIDE	29	LMC241315.0	2	OUTER PULLEY 72
2	LMC241323	1	DEFLECTOR 48 SIDE	34	LMC241343	1	TOP HITCH BRACKET
2	LMC241324	1	DEFLECTOR 60 SIDE	35	LMC240053	1	UPPER HITCH PIN
2	LMC241325	1	DEFLECTOR 72 SIDE	36	LMC108006	3	CLIP
3	LMC241335	1	SLIDING PLATE	37	LMC102023	1	BOLT
4	LMC241326	1	DECK 48 REAR	38	LMC104046	15	WASHER
4	LMC241327	1	DECK 60 REAR	39	LMC103035	12	NUT
4	LMC241328	1	DECK 72 REAR	40	LMC102115	4	BOLT
6	LMC241329	2	AXLE MOUNT 48	41	LMC104047	4	WASHER
6	LMC241371	2	AXLE MOUNT 60	42	LMC102245	1	BOLT
6	LMC241372	1	AXLE MOUNT 72 RIGHT	43	LMC102121	3	BOLT
6	LMC241405	1	AXLE MOUNT 72 LEFT	44	LMC104045	5	WASHER
7	LMC241307	1	DEFLECTOR 48 REAR	45	LMC104037	2	WASHER
7	LMC241308	1	DEFLECTOR 60 REAR	46	LMC102266	6	BOLT
7	LMC241309	1	DEFLECTOR 72 REAR	47	LMC102121	5	BOLT
8	LMC241408	1	G-BOX PLATE 48	48	LMC103035	3	NUT
8	LMC241409	1	G-BOX PLATE 60	49	LMC116044	2	LOWER HITCH PIN
8	LMC241410	1	G-BOX PLATE 72	50	LMC102253	2	BOLT
9	LMC241332.0	2	BELT COVER 48	51	LMC103017	2	NUT
9	LMC241333.0	2	BELT COVER 60	52	LMC102254	3	BLADE BOLT
9	LMC241406	1	BELT COVER 72 RIGHT	53	LMC241166	3	BLADE 48
10	LMC241407	1	BELT COVER 72 LEFT	53	LMC241167	3	BLADE 60
11	LMC241336	2	FRONT HITCH BRACE	53	LMC241168	3	BLADE 72
12	LMC241337	2	REAR HITCH BRACE 48	54	LMC109016	3	PLUG
12	LMC241373	2	REAR HITCH BRACE 60	55	LMC241345.2	3	SPINDLE SHAFT
12	LMC241374	2	REAR HITCH BRACE 72	56	LMC105013	3	KEY
13	LMC241338	2	LOWER HITCH BRACKET	57	LMC241346	3	DUST CAP
14	LMC104059	4	WASHER	58	LMC241347	9	WASHER
15	LMC241182	20	WHEEL HEIGHT SPACER	59	LMC100043	6	BEARING
16	LMC241186	4	WHEEL AXLE FORK	60	LMC241348	3	BUSHING
17	LMC108025	4	CLIP	61	LMC105015	3	GREASE NIPPLE
18	LMC100087	8	BEARING	62	LMC105007	4	GREASE NIPPLE
19	LMC241187	4	GUAGE WHEEL	63	LMC241007	3	BUSHING
20	LMC241199	4	AXLE SPACER	64	LMC105003	1	KEY
21	LMC241200	4	AXLE	65	LMC104036	5	WASHER
22	LMC104045	8	WASHER	66	LMC104083	3	WASHER
23	LMC102121	8	BOLT	67	LMC104047	2	WASHER
24	LMC241339	2	V-BELT FOR 48 in.	77	LMC103054	3	NUT
24	LMC241340	2	V-BELT FOR 60 in.	78	LMC104048	8	WASHER
24	LMC241341	2	V-BELT FOR 72 in.	79	LMC102012	12	BOLT
25	LMC103030	3	SPINDLE LOCKNUT	80	LMC103002	12	NUT
26	LMC241189.0	3	SPINDLE HUB / HOUSING	81	LMC104035	12	WASHER
27	LMC241319	1	MAIN DRIVE PULLEY	82	LMC102069	8	BOLT
28	LMC241316	1	CENTER PULLEY 48				
28	LMC241317	1	CENTER PULLEY 60				
28	LMC241318.0	1	CENTER PULLEY 72				



REF.	PART.#	Q.TY	DESCRIPTION
1	LMC102079	2	OIL PLUG
2	LMC241137	1	G-BOX HOUSING
3	LMC101054	1	OIL SEAL
8	LMC241149	1	OUTPUT SHAFT
9	LMC100008	3	BEARING
10	LMC241150	1	SPACER
11	LMC106012	1	SNAP RING
12	LMC106013	1	SNAP RING
13	LMC101055	1	OIL SEAL
15	LMC241152	1	SNAP RING
16	LMC104011	1	WASHER
17	LMC103064	1	CASTLE NUT
18	LMC108003	1	COTTER PIN
19	LMC105002	1	KEY
20	LMC241138	1	CROWN GEAR
21	LMC241139	1	INPUT SHAFT
22	LMC100043	1	BEARING
23	LMC241140	1	O-RING
24	LMC241141	1	REAR CAP
25	LMC241142	1	SNAP RING
26	LMC102164	4	BOLT
27	LMC104036	4	WASHER
28	LMC103035	4	NUT

P.T.O. SHAFT



ASSEMBLY

