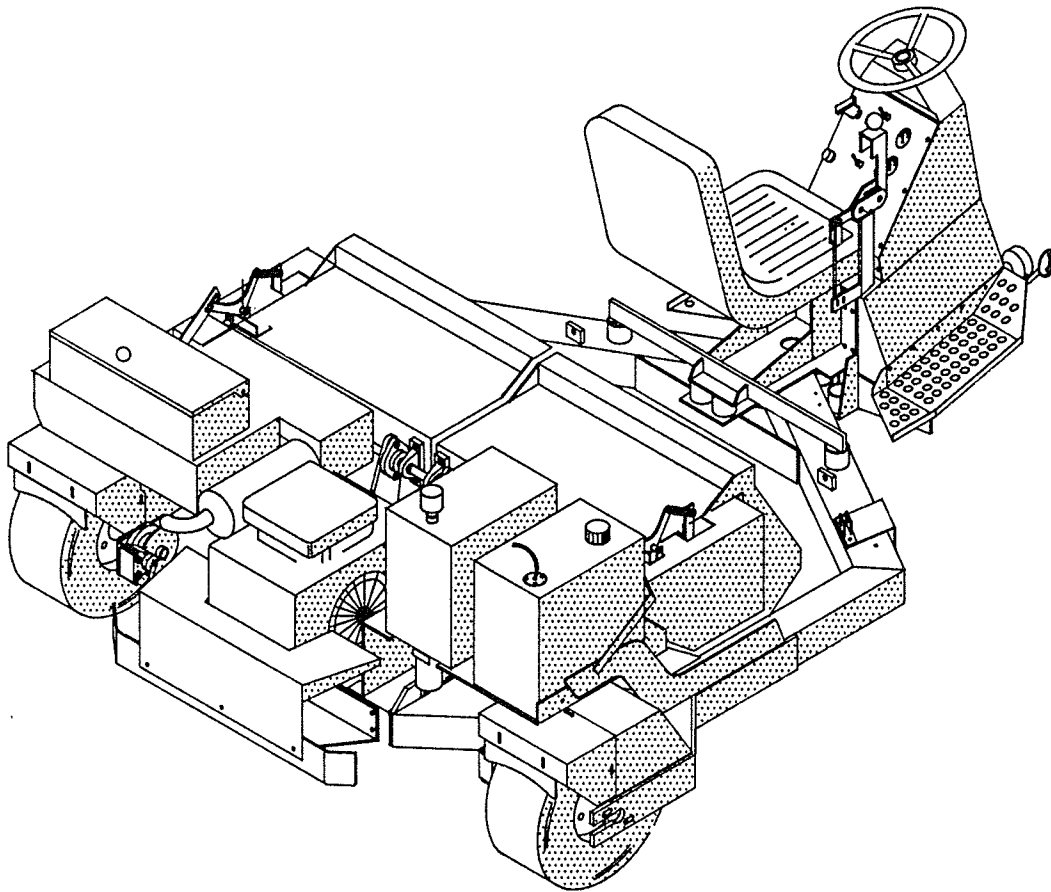


Salsco, INC.

LEADER BY DESIGN

MODEL TTA-550
TOTAL TURF CORE AERATOR

OWNER'S MANUAL
PARTS MANUAL
SERVICE MANUAL



SALSCO, INC.
TURF EQUIPMENT DIVISION
105 SCHOOL HOUSE ROAD
CHESHIRE, CONN. 06410 USA

* NOTE: PLEASE READ "CAUTIONS" IN THIS MANUAL

STATEMENT OF FACT

YOU HAVE JUST PURCHASED THE HIGHEST QUALITY, MOST MANEUVERABLE AERATOR ON THE MARKET TODAY. THIS UNIT HAS THE ABILITY TO MEET EXACT AERATING STANDARDS AND PERFORM FOR YEARS WITH MINIMUM DOWN TIME. HOWEVER, IT CANNOT READ NOR WILL IT UNDERSTAND THIS MANUAL NO MATTER HOW LONG YOU LEAVE IT ON TOP OF THE MACHINE. IT IS YOUR RESPONSIBILITY TO READ AND UNDERSTAND IT. IT IS ALSO YOUR RESPONSIBILITY TO BE CERTAIN THIS INFORMATION IS PASSED ALONG TO ANYONE WHO IS EXPECTED TO OPERATE THIS EQUIPMENT. SHOULD YOU CHOOSE NOT TO READ, UNDERSTAND AND PASS ALONG THE INFORMATION PROVIDED YOU, PLEASE EXPECT EQUIPMENT FAILURE AND POSSIBLE INJURIES TO PERSONS AROUND THIS EQUIPMENT.

FOR THE SAFETY OF THE OPERATOR, IT IS IMPERATIVE THAT THIS MANUAL IS CAREFULLY READ AND UNDERSTOOD.

HAVING READ THIS MANUAL, IT IS YOUR RESPONSIBILITY TO BE SURE THAT ALL NEW OPERATORS READ AND UNDERSTAND THIS MANUAL ESPECIALLY THE CAUTIONS ON PAGE FIVE.

AS A MANUFACTURER OF EQUIPMENT WE HAVE A RESPONSIBILITY TO DESIGN A SAFE PIECE OF EQUIPMENT. HOWEVER, ONLY YOU CAN PREVENT ACCIDENTS!!

DESCRIPTION

Our machines are available in widths from 30" to 84". Salsco aerators can handle all lawncare, sport fields and golf course requirements for aeration.

The TTA-550 is a riding aerator which comes standard with a 20 h.p. Kohler Magnum engine. It has a two speed hydraulic system. Low speed is for aeration and with the flip of a switch you can change the ground speed from 0-3 m.p.h. to 0-6 m.p.h. As with our other aerators, the TTA-550 comes with the patented Salsco cam shaft free floating tine system. You'll find another first from Salsco incorporated in the TTA-550; "Rubber Ride Suspension". This system effectively separates the operator from the machine, thereby reducing the effects of aerating vibration to a minimum.

The TTA-550 is fast in transport; 6 m.p.h., and will turn in a 50" radius. A low center of gravity allows it to negotiate inclines in excess of 30°. Two 30" aerator heads allow 60" of aeration width and at the same time allows the independent heads to follow contours, assuring maximum aerating depth of 4" at all times.

Put all this together with thirteen different styles of tines in five different sizes and you can see why the TTA-550 is truly a "Total Turf Aerator".

MANUFACTURED BY: SALSCO, INC.
TURF EQUIPMENT DIVISION
105 SCHOOL HOUSE ROAD
CHESHIRE, CONNECTICUT 06410
203/271-1682
FAX (203) 271-2596

CORE-AERATOR OWNER'S MANUAL

THIS MANUAL COVERS MODEL: TTA-550

This company reserves the right to discontinue, add improvements to, or change the design of any model or product at any time without obligation to improve existing machines, either by changing the design or adding new parts.

It has been and will continue to be the policy of SALSCO to update existing machines at its own discretion. Whenever possible, new designs will be made in such a way, that they can be "Retro Fit" if so desired.

Record in space provided below the model and serial numbers of this unit. Please retain these numbers for future reference.

No parts orders will be accepted without Model numbers or parts numbers.

<u>Model Number</u>		<u>Serial Number</u>
<u>Model No.</u>	<u>Prefix</u>	<u>Part Number Code:</u>
		<u>Model</u> <u>Part Number*</u>
TTA-550	= 550	000 A 000

* PART NUMBER PREFIX MUST BE USED WHEN ORDERING PARTS (___A000).
PREFIX NUMBER IS LISTED ABOVE.

***** CAUTION *****

READ AND UNDERSTAND THIS MANUAL BEFORE STARTING MACHINE!!

DO NOT RUN MACHINE WITHOUT GUARDS IN PLACE

071089

SERVICE SCHEDULE

<u>ITEM</u>	<u>FREQUENCY</u>
CHECK ENGINE OIL	DAILY
CHECK NUTS AND BOLTS FOR TIGHTENING	DAILY
CHECK SPROCKETS FOR ALIGNMENT & TIGHTNESS	DAILY
CHECK TINES FOR CLOGGING & SHARPNESS	DAILY
CHECK ALIGNMENT OF ROCKER ARMS LEFT TO RIGHT (PG-7)	DAILY
GREASE FRONT WHEELS	DAILY
GREASE ROCKER ARM BEARINGS (USE LITHIUM BASE GREASE EP#2)	DAILY
CHECK RUBBER TINE GUIDES (MUST ROTATE) (OPERATOR CAN LOOK AT THESE WHILE IN OPERATION)	DAILY
CHECK ENGINE AIR CLEANER	DAILY
CHECK AERATOR DRIVE CHAIN	DAILY
CHECK WHEEL DRIVE CHAIN	DAILY
CHECK ENGINE GEAR BOX OIL	WEEKLY
WASH MACHINE (as needed)	WEEKLY
CHECK HYDRAULIC OIL (Citgo AW32 or equal)	WEEKLY
CHECK WATER IN BATTERY	WEEKLY
GREASE REAR WHEEL BEARINGS	MONTHLY
CHANGE HYDRAULIC FILTER	BI-MONTHLY
RE-GREASE WHEEL BEARINGS (FRONT ONLY)	YEARLY
IF STORED OVER TWO WEEKS, RELAX SPRINGS BY REMOVING SPRING PINS.	
CHECK ENGINE MANUAL FOR ROUTINE MAINTENANCE	
MOTOR RPM SHOULD BE BETWEEN 3400 AND 3600 R.P.M. THIS SHOULD NOT BE CHANGED.	

THINK

SAFETY

DO NOT RUN MACHINE WITHOUT GUARDS IN PLACE

CAUTIONS

BEFORE YOU START THIS MACHINE:

1. READ AND UNDERSTAND OWNER'S MANUAL.
2. DO NOT RUN WITHOUT GUARDS AND OTHER SAFETY COVERS ON MACHINE.
3. NEVER LEAVE MACHINE RUNNING WHILE UNATTENDED.
4. NEVER REACH UNDER OR INTO MACHINE FOR ANY REASON WHILE MACHINE IS RUNNING AS IT CAN CAUSE SERIOUS INJURY.
5. DO NOT LET ANYONE WALK NEXT TO OR IN FRONT OF MACHINE WHILE IN OPERATION.
6. NEVER RUN OVER ASPHALT OR CONCRETE OR ANY OTHER MATERIAL WHICH CANNOT BE AERATED WITH THE TINES IN THE LOWERED POSITION.
7. ALWAYS REMOVE SPARK PLUG WIRE, MAKE SURE ENGINE SWITCH IS OFF, THROTTLE IS IN STOP POSITION AND SHUT GAS OFF WHEN WORKING ON OR CHECKING INSIDE OF MACHINE.
8. WHEN SERVICING THE TTA-550 BE SURE TO USE SAFETY LOCKS TO HOLD HOUSING IN THE RAISED POSITION. NEVER TRUST HYDRAULICS TO HOLD UNITS UP.
9. DO NOT REMOVE CAUTION DECALS.
10. SAFETY DECALS SHOULD BE REPLACED IMMEDIATELY AFTER REPAINTING OR WHEN THEY BECOME ILLEGIBLE. ** SEE NOTE BELOW **
11. EMERGENCY BRAKE IS FOR PARKING ONLY. USE HYDRAULICS FOR STOPPING.
12. WHEN UNIT IS TO BE TRANSPORTED BY TRUCK OR TRAILER FROM ONE SITE TO ANOTHER, YOU MUST INSTALL TRANSPORT BOLT. FAILURE TO DO THIS COULD CAUSE UNIT TO SEPARATE ON TRUCK OR TRAILER.

** NOTE ** SAFETY IS A PRIME CONCERN AT SALSCO AND THE SAFETY DECALS ON YOUR MACHINE ARE A HIGHLY VISIBLE AND CONSTANT REMINDER TO ALL OPERATORS. REPLACEMENT SAFETY DECALS MAY BE OBTAINED FROM YOUR LOCAL DEALER OR BY CALLING TOLL FREE 1-800-8SALSCO.

DO NOT RUN MACHINE WITHOUT GUARDS IN PLACE

DIRECTIONS TO CHANGE A TINE ON MODEL TTA-550:

1. WITH HOUSING LOCK (ITEM 2- PAGE 15) ON, PRESS RAISE/LOWER SWITCH (ITEM 45 - PAGE 14) TO FULL LOWER POSITION. THIS WILL RETRACT CYLINDERS ALL THE WAY IN.
2. MOVE HOUSING SERVICE LEVER (ITEM 190 - PAGE 17) INTO SERVICE POSITION.
3. PRESS RAISE/LOWER SWITCH (ITEM 45 - PAGE 14) TO RAISE AND RELEASE FRAME LOCKS. (ITEM 2 - PAGE 15). PULL SAFETY PIN (ITEM 3 - PAGE 15). PLACE FRAME LOCKS INTO LOCK HOLDERS (ITEM 5 - PAGE 15).
4. NOW HOUSING CAN BE RAISED TO A SERVICE POSITION. **NOTE:** BE SURE TO BLOCK AND OR USE FRAME LOCKS (ITEM 2 - PAGE 15), TO SUPPORT HOUSING IN A SERVICE POSITION. NEVER TRUST HYDRAULICS TO HOLD HOUSING IN A RAISED POSITION WHILE SERVICE IS BEING PERFORMED.
5. REMOVE SPARK PLUG WIRE.
6. SHUT GAS OFF.
7. REMOVE FRONT COVER (ITEM 44 - PAGE 17) ON SIDE TO BE WORKED ON.
8. REMOVE BELT GUARDS (ITEMS 63,64 - PAGE 17).
9. REMOVE BELT (ITEM 30 - PAGE 18).
10. ROTATE PULLEY (ITEM 31 - PAGE 18) UNTIL TINE TO BE CHANGED IS IN ITS UPMOST POSITION. HOLD SPRING (ITEM 11 - PAGE 18) LIFT AND REMOVE PIN (ITEM 34 - PAGE 17). **NOTE:** WEAR GLOVES AND DON'T GET YOUR FINGERS UNDER SPRING PIN CLIP.
11. REMOVE BOLT (ITEM 10 - PAGE 18) WHICH WILL ALLOW YOU TO REMOVE SPRING (ITEM 11 - PAGE 18) AND BEARING (ITEM 12 - PAGE 18)
12. REMOVE BOLT (ITEM 17 - PAGE 18) AND TINE ARM (ITEM 18 - PAGE 18).
13. PLACE THE ARM IN VISE, BEND LOCKING CLIP (ITEM 22 - PAGE 18) TO REMOVE BOLTS (ITEM 20 - PAGE 18). REPLACE TINE (ITEM 19 - PAGE 18) AND CLIP (ITEM 22 - PAGE 18). INSTALL BOLTS (ITEM 20 - PAGE 18) AND BEND CLIP OVER BOLTS.
14. REPLACE TINE ARM (ITEM 18 - PAGE 18) WITH SPRING (ITEM 11 - PAGE 18) AND NEW TINE (ITEM 19 - PAGE 18). INSTALL BOLT (ITEM 17 - PAGE 18).
15. HOLD SPRING (ITEM 11 - PAGE 18) WITH RIGHT HAND AND RAISE THROUGH SLOT IN FRAME AND PIN HOLDER (ITEM 33 - PAGE 17). INSTALL PIN (ITEM 34 - PAGE 17).
16. REVERSE STEPS 1-4 TO LOWER HOUSING.

NOTE: If the TTA-550 has single tines instead of double tines, replace the arm and tines as one unit (Item 18 - Page 18).

To adjust holder and tine (Item 18 - Page 18) tighten bolt (Item 17 - Page 18) and back off until holder or tine can be pushed toward rear of machine and when let go it will return forward on its own.

NOTE: By having a spare set of tines, tine arms, bearings and springs already assembled, you may eliminate steps 10, 12, and 14 above until it is convenient to do so.

* * * * *

CAUTION: DO NOT PLACE FINGERS BETWEEN SPRING CLIP (ITEM 11 - PAGE 18) AND PIN OVERLAY (ITEM 33 - PAGE 17) AS THIS WILL RESULT IN SERIOUS INJURY!

* * * * *

DO NOT RUN MACHINE WITHOUT GUARDS IN PLACE

TO REPLACE SPRINGS (ITEM 11 - PAGE 18):

1. FOLLOW STEPS 1-4 ON PAGE 6.
2. ROTATE CAM (ITEM 26 - PAGE 18) TILL ROCKER ARM (ITEM 69 - PAGE 18), IS IN FULL RAISED POSITION.
3. HOLD SPRING (ITEM 11 - PAGE 18), RAISE SPRING TO LOOSEN PIN (ITEM 34 - PAGE 17) WITH OTHER HAND. NOTE: BE SURE TO WEAR GLOVES. REMOVE THIS PIN.
4. REMOVE BOLT (ITEM 10 - PAGE 18) AND REMOVE AND REPLACE SPRING (ITEM 11 - PAGE 18).

TO REPLACE ROCKER ARM BEARINGS (ITEM 43 - PAGE 18):

1. FOLLOW STEPS 1-4 ON PAGE 6.
2. REMOVE BOLTS (ITEMS 181,182 - PAGE 18) AND REMOVE AND REPLACE BEARING (ITEM 43 - PAGE 18). NOTE: BE SURE TO REPLACE SHIMS (ITEM 38 - PAGE 18) AS SHOWN ON PAGE 18. ALSO, ROCKER ARM BEARINGS (ITEM 43 - PAGE 18) SHOULD BE ORIGINAL EQUIPMENT. THEY WILL SAY SALSCO ON THE SIDE OF THE BEARING. DO NOT USE ANY OTHER BEARING AS THIS COULD VOID PARTS OF YOUR WARRANTY.
3. BE SURE TO USE ONLY LITHIUM BASE GREASE ON THESE ROCKER ARM BEARINGS.
4. REVERSE STEPS 1-4.

TO REPLACE ROCKER ARM (ITEM 69 - PAGE 18):

1. FOLLOW STEPS 1-4 ON PAGE 6. NOTE: DO ONE HOUSING AT A TIME.
2. REMOVE SPRINGS (ITEM 11 - PAGE 18) (SEE SECTION ON PAGE 7 - TO REPLACE SPRINGS)
3. MAKE NOTE OF SPACES BETWEEN ROCKER ARMS AND WHAT'S NEEDED TO ALLIGN BEARING (ITEM 43 - PAGE 18) TO CAM SHAFT (ITEM 26 - PAGE 18).
4. REMOVE ROCKER ARM BEARINGS (ITEM 43 - PAGE 18).
5. REMOVE LIFT RINGS (ITEMS 39,42 - PAGE 18).
6. REMOVE ROCKER ARM PIVOT PIN RETAINER (ITEM 49 - PAGE 17) SLIDE OUT PIVOT PIN (ITEM 37 - PAGE 18) AND ROCKER ARMS WILL COME OUT.
7. INSPECT ALL PARTS AT THIS TIME. YOU'RE LOOKING FOR CRACKS, BENT PARTS AND ELONGATED HOLES.
8. BE SURE TO USE VELCRO OVER PIVOT OF ROCKER ARMS. (ITEM 183 - PAGE 18)
9. WHEN ASSEMBLING, START ON OUTSIDE INSERTING SHAFT (ITEM 37 - PAGE 18), SPACERS (ITEM 38 - PAGE 18), AND ROCKER ARMS AS YOU HAVE NOTED IN STEP 4 ABOVE, WITH NO SPACE LEFT AND ALL BEARINGS (ITEM 43 - PAGE 18) RIDING ON CENTER OF CAM LOBES (ITEM 26 - PAGE 18).

CAUTION: WHEN REASSEMBLING, USE SPACERS TO ALIGN ROCKER ARM BEARING WITH CAM LOBE!!!

CAUTION: WHEN REPLACING ROCKER ARMS OR BEARINGS BE SURE TO ALIGN BEARING (ITEM 43 - PAGE 18) WITH CAM SHAFT LOBE (ITEM 38 - PAGE 18) BY ADDING OR DELETING SHIMS (ITEM 38 - PAGE 18).

NOTE: IN SEASON, ADJUSTMENT OF ROCKER ARM TO KEEP ROLLER BEARING RUNNING TRUE ON CAM LOBE IS VERY IMPORTANT. THIS CAN BE DONE BY SLIPPING A 1" E-RING BETWEEN ROCKER ARMS (PART # A006).

THINK

SAFETY

DO NOT RUN MACHINE WITHOUT GUARDS IN PLACE

OPERATION OF THE TTA-550

AFTER READING AND UNDERSTANDING THIS MANUAL YOU SHOULD BE ALMOST READY TO GO TO WORK. SIT ON THE MACHINE AND BE SURE THE FORWARD/REVERSE LEVER IS IN NEUTRAL. PULL CHOKE OUT AND TURN KEY TO START POSITION. AFTER ENGINE WARMS UP PUSH CHOKE IN. PULL THROTTLE CABLE TO APPROXIMATELY 1/2 - 3/4 R.P.M. SWITCH ELECTRIC SWITCH TO AERATE POSITION. SLOWLY PUSH FORWARD/REVERSE LEVER TO FORWARD; MACHINE WILL MOVE FORWARD. DRIVE MACHINE AROUND A LITTLE TO GET THE FEEL OF IT, THEN PUT FORWARD/REVERSE LEVER IN NEUTRAL. FLIP "AERATOR - TRANSPORT" SWITCH TO TRANSPORT POSITION. THE MACHINE WILL TRAVEL AT TWICE GROUND SPEED OR 0-6 M.P.H. DRIVE MACHINE AROUND A LITTLE TO GET THE FEEL OF TRANSPORT SPEED. NOW PLACE FORWARD/REVERSE LEVER IN NEUTRAL, LOWER ENGINE R.P.M. TO JUST ABOVE IDLE AND ACTIVATE RAISE/LOWER SWITCH TILL AERATOR HOUSING RAISE OR LOWER AND LOCKING BAR LOOSENS. REMOVE SAFETY PIN AND MOVE LOCKING BAR TO ITS HOLDER. SECURE THE LOCKING BAR IN ITS HOLDER BY REPLACING THE SAFETY PIN IN THE HOLDER. **CAUTION:** NEVER TRUST HYDRAULICS. DON'T GET YOURSELF OR ANY PART OF YOUR BODY BETWEEN OR UNDER AERATOR HOUSINGS. IT'S COMMON FOR THESE HOUSINGS TO DRIFT DOWN WHEN LOCKING BARS ARE REMOVED.

NOW YOU ARE READY TO AERATE. REMEMBER TO RAISE HOUSING FROM TIME TO TIME AS THEY WILL DRIFT DOWN. PULL THROTTLE OUT TO APPROXIMATELY 3/4 FULL; PUSH FORWARD/REVERSE LEVER TO FORWARD POSITION AND PUSH RAISE/LOWER SWITCH TO LOWER POSITION. THIS WILL LOWER THE AERATION HEADS. THESE HEADS WILL START AUTOMATICALLY WHEN THEY GET 2" FROM THE SOIL. REMEMBER, THE MACHINE MUST BE MOVING FORWARD WHEN THE AERATOR HEADS ARE IN THE LOWERED POSITION. STOPPING THE MACHINE OR GOING IN REVERSE WHILE AERATING COULD CAUSE DAMAGE TO THE AERATOR HEAD AND/OR TURF. YOU WILL NOTICE THAT BY CHANGING YOUR GROUND SPEED THE HOLE SPACING CHANGES.

THINK SAFETY

PLEASE READ CAUTIONS ON PAGE 5

INSTALLATION OF THE TURF HOLD DOWN KIT

1. When installing the Turf Hold Down Kit, first look at the Rocker Arm Roller Bearing. Be sure these Bearings are centered on the Crank Lobe. If they are off to one side, you must shim between Rocker Arm (Item 68 - Page 18) to center the Roller Bearing on the Crank Lobe. (Item 26 - Page 18).
2. Once this is complete, check to be sure the Tine Holder is hanging straight. Adjust shims between Rubber Tine Guides (Item 174 - Page 18). You are now ready to install the Turf Hold Downs.
3. To adjust holder on tine (Item 18 - Page 18), tighten bolt (Item 17 - Page 18) and back off until holder or tine can be pushed toward rear of machine and when let go it will return forward on its own.
4. Slip part Item A, Page 20 under housing (Item 35 - Page 17) and bolt in holes supplied for weights.
5. Then assemble Turf Hold Down Kit as shown.
6. Adjust Item C, Page 20 left or right so wires are between tine, (Item 19 - Page 18).

If you have any questions or need help, contact your dealer or call Salsco, Inc.

CAUTIONS & HELPFUL HINTS:

1. With the Turf Hold Down Kit installed, the TTA-550 should be driven in a straight line when aerator heads are down.
2. It is possible for the double tine to grab a rock and hold it long enough to bend a rod up. When this happens, another tine coming down will most likely bend another rod down, stop and straighten. If you have alot of rocks, ask about single tines.
3. Ideally, you want to run with just the rods touching the turf. You can accomplish this by adjusting the guide wheel (Item 6 Page 17) and by changing the shims (Item 174 Page 17).

THINK

SAFETY

DISASSEMBLE MACHINE COMPLETELY FOR WINTER INSPECTION

1. BLOCK MACHINE FRAME SO TINES CLEAR GROUND 1-2" FRONT & REAR.
2. RAISE HOUSING AND INSTALL SAFETY LOCKS. (STEPS 1-4 PAGE 6)
3. REMOVE, CLEAN AND DEGREASE WHEEL BEARINGS.
4. REMOVE BATTERY, ADD WATER AND RECHARGE.
5. DRAIN HYDRAULIC OIL AND REPLACE WITH VALVOLINE ANTI-WEAR HYDRAULIC OIL 15032 OR ITS EQUIVALENT.
6. REPLACE HYDRAULIC AIR FILTER.
7. CHECK ALL HYDRAULIC HOSES FOR CHAFING AND LEAKS.
8. REMOVE AND CLEAN OR REPLACE ENGINE AIR FILTERS.
9. DISCONNECT ALL TINE SPRINGS THUS RELEASING PRESSURE ON ROCKER ARMS. (PAGE 7).
10. REMOVE ALL TINE HOLDERS AND TINES FOR INSPECTION AND REPLACEMENT. (PAGE 6).
11. AT THIS TIME CHECK LEFT TO RIGHT MOVEMENT OF ROCKER ARMS, IF EXCESSIVE, REMOVE AND REPLACE BUSHING WHERE NEEDED. (ITEM 46 - PAGE 18).
12. ROCKER ARM ROLLER BEARINGS SHOULD BE REPLACED YEARLY. (ITEM 43 - PAGE 18)
13. CHECK LIFT RING BEARINGS. THESE SHOULD BE CHANGED YEARLY. (ITEM 41 - PAGE 18)
14. INSPECT CAMSHAFT AND CAMSHAFT BEARINGS. (ITEM 26 - PAGE 18)
15. INSPECT RUBBER TINE GUARDS. (ITEM 15 - PAGE 18)
16. REMOVE BELT GUARD (ITEM 64 - PAGE 17) AND REPLACE BELTS. (ITEM 30 - PAGE 18)
17. REMOVE CHAIN GUARD (ITEM 4 - PAGE 16) AND REPLACE DRIVE CHAIN. (ITEM 30 - PAGE 15)
NOTE: THIS CHAIN SHOULD BE CHECKED FOR PROPER ADJUSTMENT ON A REGULAR BASIS. SEE MAINTENANCE SCHEDULE.
18. INSPECT DRIVE SHAFT BEARING AND GREASE. (ITEM 9 - PAGE 15)
19. CHECK FRAME AND HOUSINGS FOR CRACKS. FRONT COVERS (ITEM 44 - PAGE 17) SHOULD BE INSTALLED WHENEVER UNIT IS OPERATED. THIS COVER IS NOT ONLY THERE FOR YOUR SAFETY, BUT ACTS AS A STRUCTURE MEMBER AND WILL HELP TO PREVENT HOUSINGS FROM CRACKING.

THINK

SAFETY

DISSAMBLY CONTINUED

YOU HAVE IN NINETEEN (19) STEPS COMPLETELY STRIPPED THE TTA-550.

WHEN REASSEMBLING MACHINE, BE SURE TO USE SPACERS TO ALIGN ROCKER ARMS WITH CAM LOBE NOT NECESSARILY ONE BETWEEN EACH ROCKER, BUT AS NEEDED.

DO NOT STORE WITH TINE SPRINGS ATTACHED. BE SURE TO USE SELF-LOCKING NUTS AND LOCKTITE ON ALL BOLTS.

HELPFUL HINTS:

1. CHECK NUTS AND BOLTS EVERY DAY.
2. CHECK SPROCKET ALIGNMENT EVERY DAY. BE SURE TO CHECK AND ADJUST DRIVE CHAIN IF NECESSARY.
3. CLEAN TINES BY RUNNING DRILL UP TINE EACH DAY.
4. CHECK RUBBER ROLLS.
5. RELAX SPRINGS (IF MACHINE IS STORED FOR PERIODS OF TIME OVER TWO WEEKS).
6. IF MACHINE IS RUN WITHOUT FRONT COVER, DEBRIS WILL COLLECT IN FRONT WHEEL SWIVEL. THIS WILL ALSO CAUSE CRACKS IN THE FRAME. BE SURE TO RUN WITH COVER ON. -SAFETY- KEEP COVER ON
7. IT IS CHEAPER TO HAVE SPARE PARTS ON THE SHELF THAN TO PAY "NEXT DAY AIR" FREIGHT CHARGES. CONSIDER THE AMOUNT OF WORK THIS MACHINE DOES, SAVE YOURSELF MONEY, AND DOWN TIME AND FOLLOW THIS MANUAL.

IF YOU HAVE ANY QUESTIONS OR NEED HELP, CONTACT YOUR DEALER OR CALL SALSCO, INC.

SALSCO, INC.
105 SCHOOL HOUSE ROAD
CHESHIRE, CT 06410
TELEPHONE: 203/271-1682
FAX: 203/271-2596

DO NOT RUN MACHINE WITHOUT GUARDS IN PLACE

SPECIFICATIONS

<u>MODEL</u>	<u>TTA-550</u>
<u>MACHINE WIDTH</u>	77"
<u>AERATION WIDTH</u>	54"
<u>HOLE PATTERN</u>	2 1/4" X 2 1/4" var. to 6"
<u>HOLE DEPTH</u>	4"
<u>HOLE SIZE</u>	1/4", 3/8", 1/2", 5/8", 3/4" SEE TINE CHART ON PAGE 13
<u>SPEED</u>	VARIABLE. SPEED DETERMINES THE SPACING.
<u>SQ. FT. PER HR.</u>	60,000 SQ. FT.
<u>WEIGHT/LBS</u>	1600 lbs.
<u>ENGINE</u>	20 HP KOHLER MAGNUM ENGINE.
<u>TIRES</u>	18.5 x 9.50 REAR - SWIVEL PNEUMATIC 2.8 X 4 ADJUSTABLE HEIGHT - FRONT. ALL TIRES SMOOTH TURF TYPE.

NOTE: PLEASE SEE PERFORMANCE SPEC SHEET ON PAGE 12 OF THIS MANUAL.

THINK

SAFETY

DO NOT RUN MACHINE WITHOUT GUARDS IN PLACE

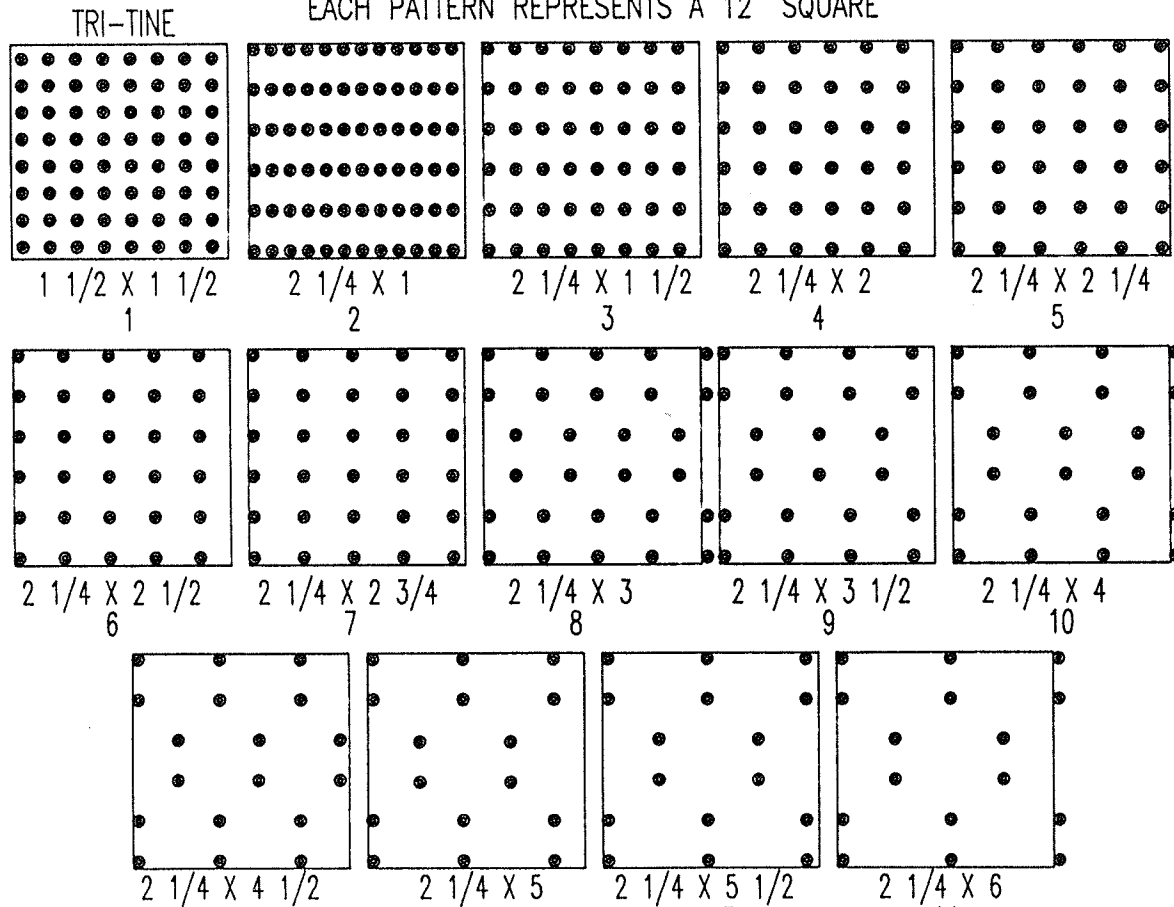
PERFORMANCE SPEC. SHEET

Salsco, Inc.

TTA-550

		SPACING	PRODUCTION	YIELD
		2 1/4 X { }"	SQ FT PER HR.	HOLES/SQ FT.
TRI-TINE	1	1.50	15,221	64.0
	2	1.00	10,147	72.0
	3	1.50	15,221	48.0
	4	2.00	20,295	36.0
	5	2.25	22,831	36.0
	6	2.50	25,368	30.0
	7	2.75	27,905	30.0
	8	3.00	30,442	24.0
	9	3.50	35,516	22.0
	10	4.00	40,590	18.0
	11	4.50	45,663	18.0
	12	5.00	50,737	16.0
	13	5.50	55,811	16.0
	14	6.00	60,885	12.0

SALSCO HOLE PATTERNS EACH PATTERN REPRESENTS A 12" SQUARE



NOTICE IN PATTERNS 8,10,& 14 WE DO NOT COUNT HOLES OUTSIDE OF SQUARE

TINE CHART

1	-	1/4"	TRI-TINE	OPEN
2	-	1/4"	TRI-TINE	CLOSED
3	-	1/4"	DOUBLE	OPEN
4	-	1/4"	DOUBLE	CLOSED
5	-	3/8"	DOUBLE	OPEN
6	-	1/2"	DOUBLE	OPEN
7	-	1/2"	DOUBLE	CLOSED
8	-	1/2"	DOUBLE	OPEN/CARBIDE
9	-	5/8"	DOUBLE	OPEN
10	-	5/8"	DOUBLE	CLOSED
11	-	5/8"	DOUBLE	OPEN/CARBIDE
12	-	3/4"	DOUBLE	OPEN
13	-	3/4"	SINGLE	

THIRTEEN (13) DIFFERENT SYTTLES OF TINES IN FIVE (5) DIFFERENT SIZES

THINK SAFETY

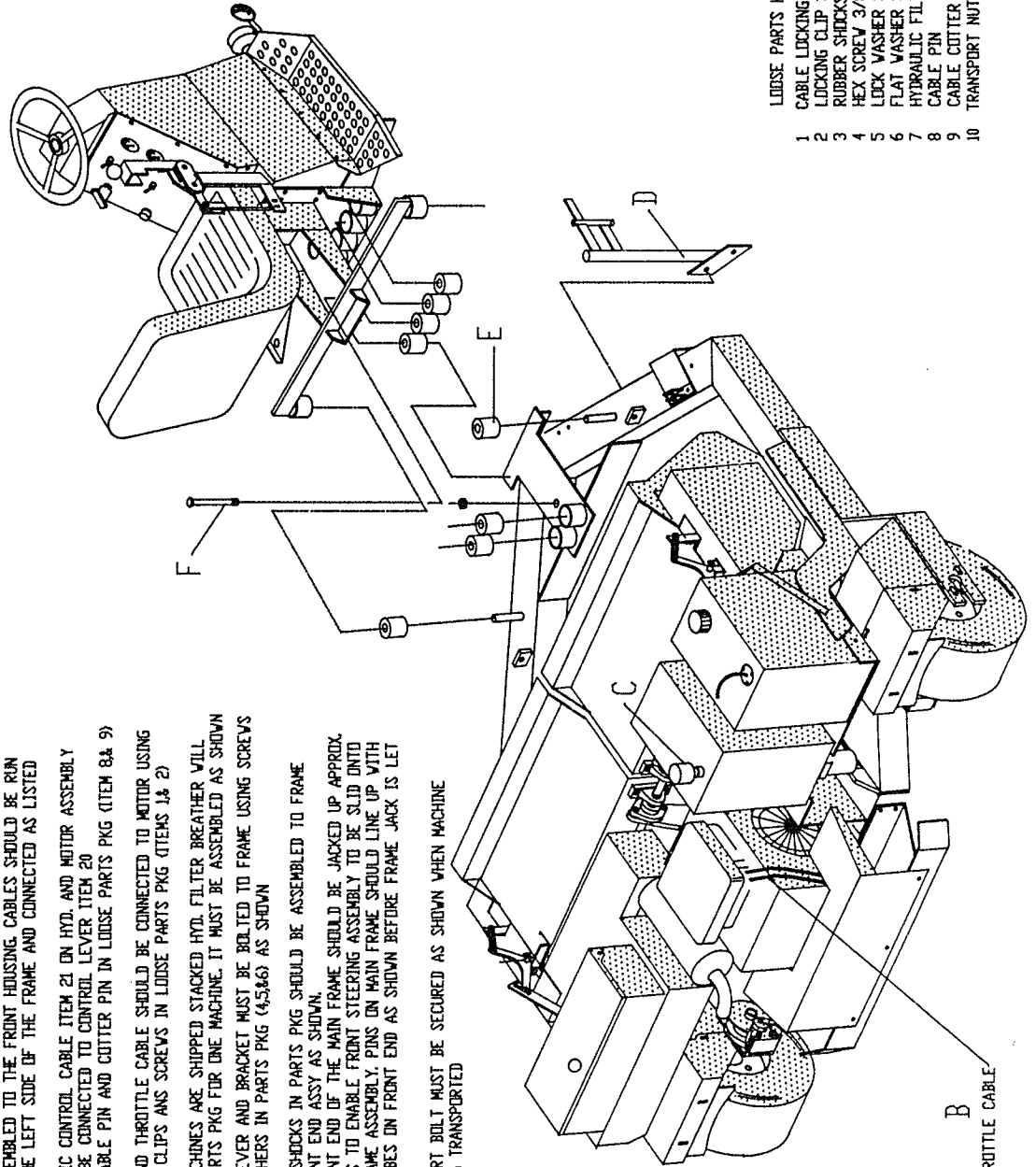
Salsco, Inc. **LEADER BY DESIGN**

MODEL TTA-550

TOTAL TURF CORE AERATOR

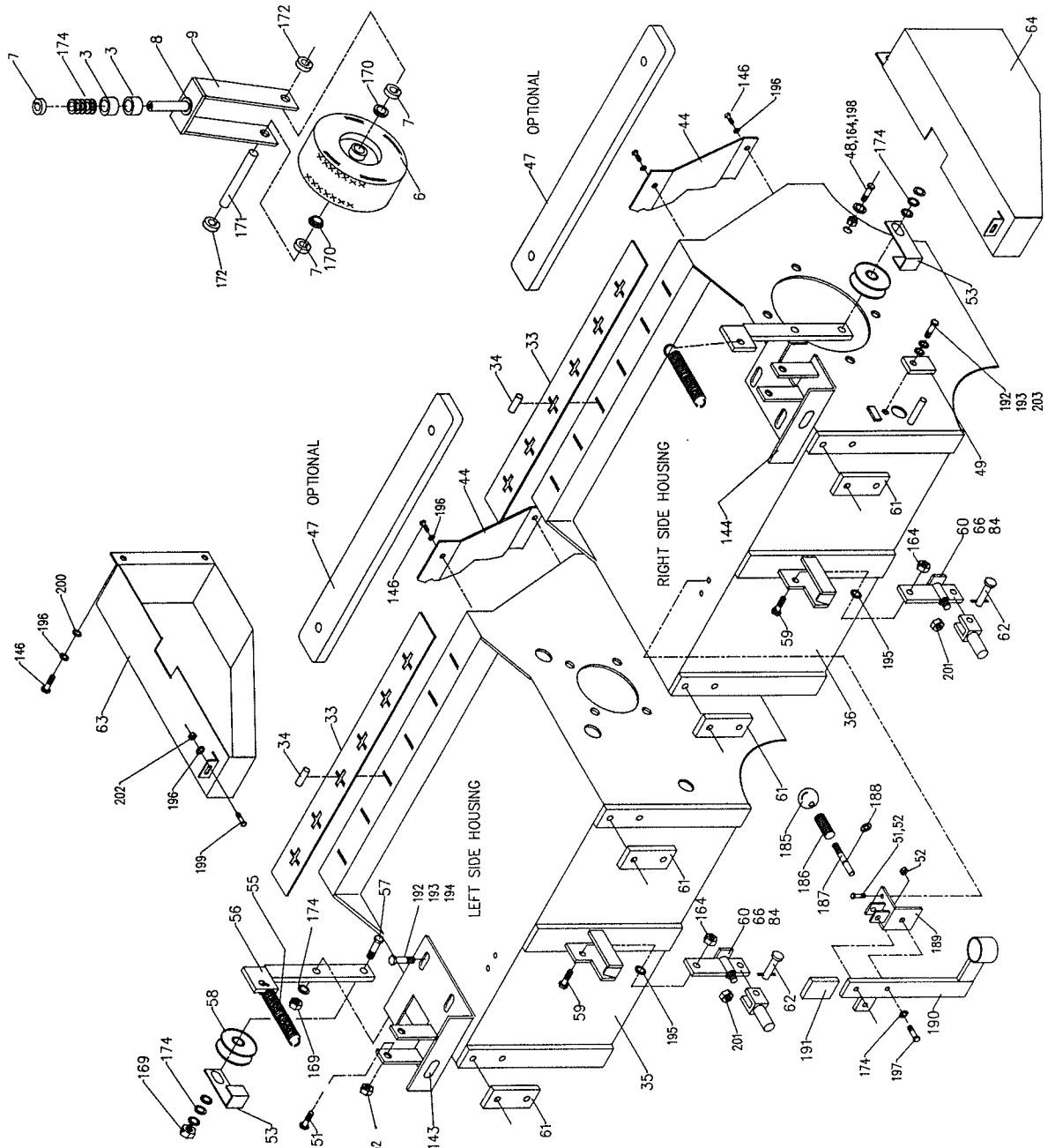
HYDRAULIC CONTROL CABLE, THROTTLE CABLE, AND CHOKE CABLE ARE ASSEMBLED TO THE FRONT HOUSING. CABLES SHOULD BE RUN DOWN THE LEFT SIDE OF THE FRAME AND CONNECTED AS LISTED

- A HYDRAULIC CONTROL CABLE ITEM 21 ON HYD. AND MOTOR ASSEMBLY SHOULD BE CONNECTED TO CONTROL LEVER ITEM 20 USING CABLE PIN AND COTTER PIN IN LOOSE PARTS PKG (ITEM 8 & 9)
- B CHOKE AND THROTTLE CABLE SHOULD BE CONNECTED TO MOTOR USING LOCKING CLIPS AND SCREWS IN LOOSE PARTS PKG (ITEMS 1 & 2)
- C WHEN MACHINES ARE SHIPPED STACKED HYD. FILTER BREATHER WILL BE IN PARTS PKG FOR ONE MACHINE. IT MUST BE ASSEMBLED AS SHOWN
- D BRAKE LEVER AND BRACKET MUST BE BOLTED TO FRAME USING SCREWS AND WASHERS IN PARTS PKG (4,5 & 6) AS SHOWN
- E RUBBER SHOCKS IN PARTS PKG SHOULD BE ASSEMBLED TO FRAME AND FRONT END ASSY AS SHOWN
 THE FRONT END OF THE MAIN FRAME SHOULD BE JACKED UP APPROX. 6 INCHES TO ENABLE FRONT STEERING ASSEMBLY TO BE SLID ONTO MAIN FRAME ASSEMBLY. PINS ON MAIN FRAME SHOULD LINE UP WITH TUBES ON FRONT END AS SHOWN BEFORE FRAME JACK IS LET DOWN
- F TRANSPORT BOLT MUST BE SECURED AS SHOWN WHEN MACHINE IS BEING TRANSPORTED

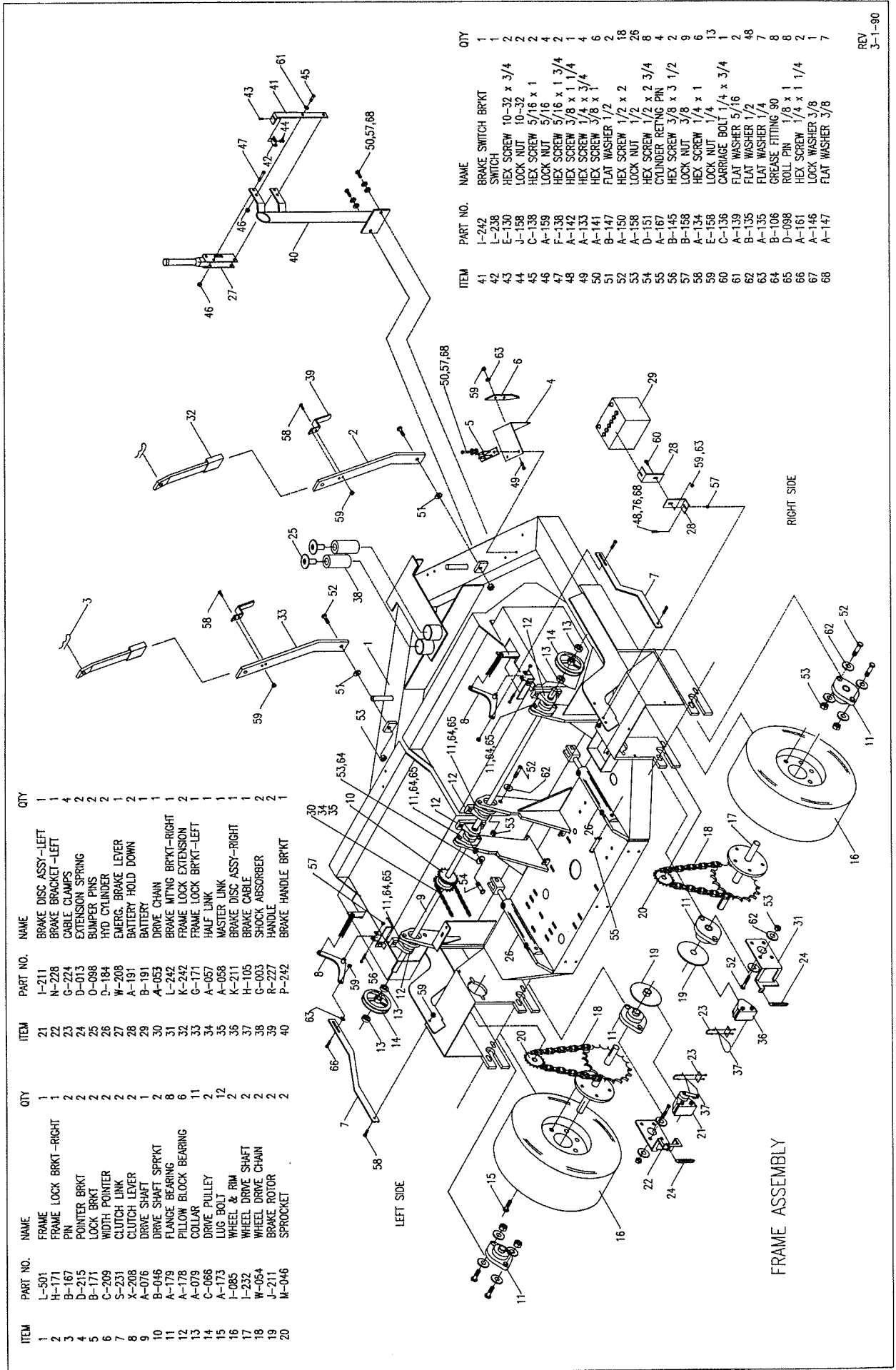


- LOOSE PARTS KIT
- | | | |
|----|----------------------------|---|
| 1 | CABLE LOCKING CLIPS | 2 |
| 2 | LOCKING CLIP SCREWS | 2 |
| 3 | RUBBER SHOCKS | 8 |
| 4 | HEX SCREW 3/8 X 1 | 3 |
| 5 | LOCK WASHER 3/8 | 2 |
| 6 | FLAT WASHER 3/8 | 2 |
| 7 | HYDRAULIC FILTER & ADAPTER | 1 |
| 8 | CABLE PIN | 1 |
| 9 | CABLE COTTER PIN | 1 |
| 10 | TRANSPORT NUT & BOLT | 1 |

B
 CHOKE AND THROTTLE CABLE

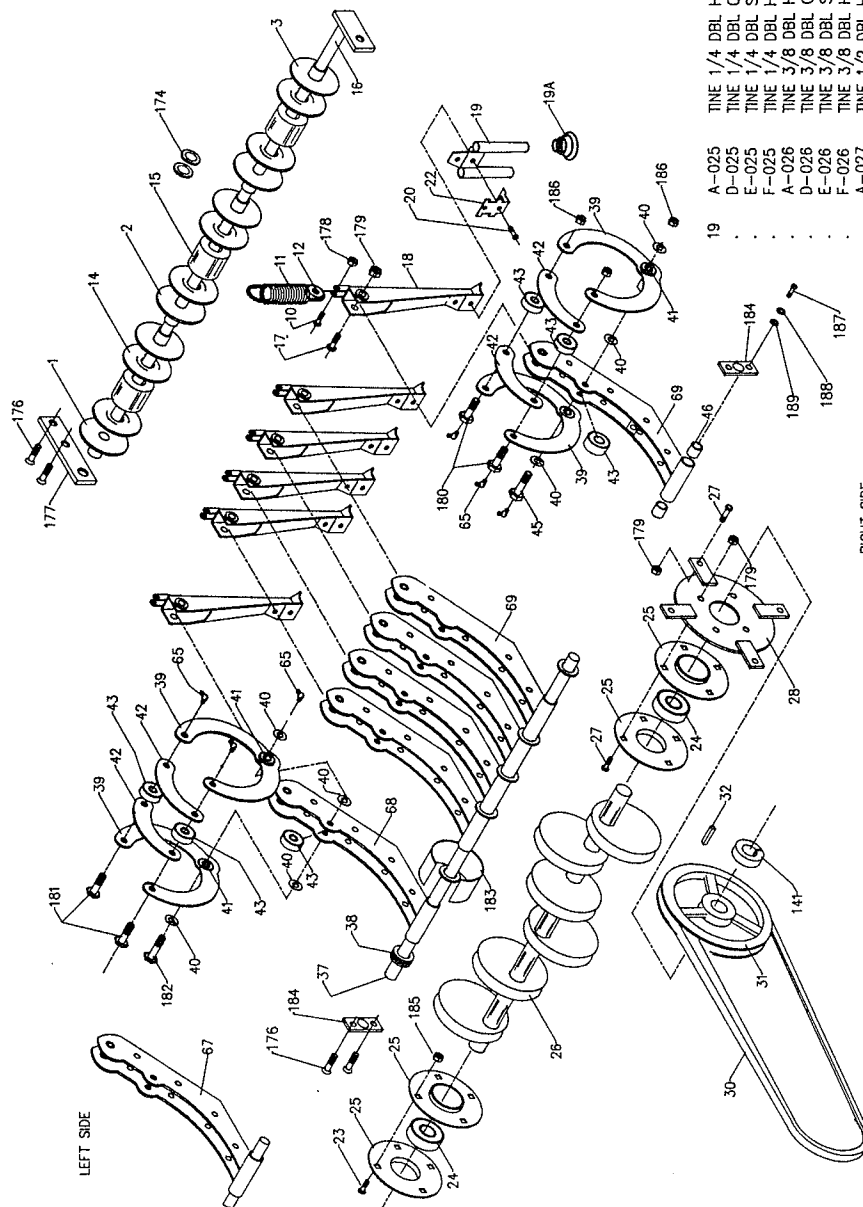


ITEM	PART NO.	NAME	QTY
3	A-120	BUSHING	4
6	A-084	FRONT WHEEL	2
7	A-080	SPLIT COLLAR	6
8	A-115	THRUST WASHER	2
9	D-088	FRONT AXLE	2
33	A-097	PIN HOLDER	2
34	A-098	SPRING PIN	12
35	L-500	LEFT HOUSING	1
36	R-500	RIGHT HOUSING	1
44	A-095	FRONT PANEL	1
47	A-160	WEIGHT	2
48	B-149	RETAINING PLATE	2
49	A-164	GREASE FITTING	2
50	A-106	LOCK NUT 3/8 X 1	8
51	A-141	BELT GUIDE BRACKET	10
52	B-158	SPRING	2
53	M-242	CLUTCH PIVOT ARM	2
55	E-015	IDLER PULLEY	2
56	C-100	HEX SCREW 3/8 X 2 1/4	2
57	D-145	HEX SCREW 3/8 X 2	2
58	I-064	CYL. CONNECTING LINK	2
59	A-150	SPACER PLATE	4
60	A-181	RETAINING PIN	2
61	A-166	LEFT GUARD	2
62	A-167	RIGHT GUARD	2
63	A-168	SPACER PLATE	1
64	A-169	SPACER PLATE	1
66	C-166	LEFT CLUTCH BKT	2
84	D-166	RIGHT CLUTCH BKT	2
143	Q-096	HEX SCREW 1/4 X 1/2	1
144	Q-096	HEX SCREW 1/4 X 1/2	1
146	A-132	LOCK NUT 1/2	16
164	A-138	STOVER NUT 3/8	4
169	H-156	WHEEL AXLE	2
170	E-088	SET COLLAR	2
171	A-081	FLAT WASHER 3/4	4
172	A-081	FLAT WASHER 3/8	20
173	A-089	BUSHING	10
174	A-147	KNOB	4
175	A-120	SPRING	2
185	A-104	PIN	2
186	D-014	E RING	2
187	L-098	MTG BRACKET	2
188	D-218	LEVER	2
189	Q-242	GRIP	2
190	Y-208	HEX SCREW 5/16 X 1	2
191	L-104	LOCK NUT 5/16	8
192	C-136	LOCK NUT 5/16	8
193	D-146	LOCK NUT 5/16	8
194	A-159	FLAT WASHER 1/2	2
195	B-147	FLAT WASHER 1/4	18
196	B-146	HEX SCREW 3/8 X 1 1/4	2
197	A-142	CUT WASHER 3/4	2
198	B-089	HEX SCREW 1/4 X 1	2
199	A-134	FLAT WASHER 1/4	4
200	A-135	LOCK NUT 3/4	2
201	F-158	LOCK NUT 1/4	2
202	E-158	FLAT WASHER 5/16	2
203	A-139		



ITEM	PART NO.	NAME	QTY	ITEM	PART NO.	NAME	QTY
1	L-501	FRAME	1	21	L-211	BRK DISC ASSY-LEFT	1
2	H-171	FRAME LOCK BRKT-RIGHT	1	22	N-228	BRK BRACKET-LEFT	1
3	B-167	PIN	2	23	G-224	CABLE CLAMPS	4
4	D-215	POINT BRKT	2	24	D-013	EXTENSION SPRING	2
5	B-171	LOCK BRKT	2	25	O-098	BUMPER PINS	2
6	C-209	WIDTH POINTER	2	26	D-184	HYD CYLINDER	2
7	S-231	CLUTCH LINK	2	27	W-208	EMERG. BRAKE LEVER	2
8	X-208	CLUTCH LEVER	2	28	A-191	BATTERY HOLD DOWN	2
9	A-076	DRIVE SHAFT	1	29	B-191	BATTERY	1
10	B-046	DRIVE SHAFT SPRKT	2	30	A-053	DRIVE CHAIN	1
11	A-179	FLANGE BEARING	8	31	L-242	BRK MTNG BRKT-RIGHT	1
12	A-178	PILLOW BLOCK BEARING	6	32	K-242	FRAME LOCK EXTENSION	2
13	A-079	COLLAR	11	33	G-171	FRAME LOCK BRKT-LEFT	1
14	C-066	DRIVE PULLEY	2	34	A-057	HALF LINK	1
15	A-173	LUG BOLT	12	35	A-058	MASTER LINK	1
16	I-085	WHEEL & RM	2	36	K-211	BRK DISC ASSY-RIGHT	1
17	I-232	WHEEL DRIVE SHAFT	2	37	H-105	BRK CABLE	1
18	W-054	WHEEL DRIVE CHAIN	2	38	G-603	SHOCK ABSORBER	2
19	J-211	BRK ROTOR	2	39	R-227	HANDLE	2
20	M-046	SPROCKET	2	40	P-242	BRK HANDLE BRKT	1

ITEM	PART NO.	NAME	QTY
41	I-242	BRK SWITCH BRKT	1
42	L-238	SWITCH	1
43	E-130	HEX SCREW 10-32 x 3/4	2
44	L-158	LOCK NUT 10-32	2
45	C-138	HEX SCREW 5/16 x 1	2
46	A-159	LOCK NUT 5/16	2
47	F-138	HEX SCREW 5/16 x 1 3/4	2
48	A-142	HEX SCREW 3/8 x 1 1/4	1
49	A-133	HEX SCREW 1/4 x 3/4	4
50	A-141	HEX SCREW 3/8 x 1	6
51	B-147	FLAT WASHER 1/2	2
52	A-150	HEX SCREW 1/2 x 2	18
53	A-158	LOCK NUT 1/2	26
54	D-131	HEX SCREW 1/2 x 2 3/4	6
55	A-167	CYLINDER RETING PIN	4
56	B-145	HEX SCREW 3/8 x 3 1/2	2
57	B-158	LOCK NUT 3/8	9
58	A-134	HEX SCREW 1/4 x 1	6
59	E-158	LOCK NUT 1/4	13
60	C-136	CARRIAGE BOLT 1/4 x 3/4	2
61	A-139	FLAT WASHER 5/16	2
62	B-135	FLAT WASHER 1/2	48
63	A-135	FLAT WASHER 1/4	7
64	B-106	GREASE FITTING 90	8
65	D-098	ROLL PIN 1/8 x 1	8
66	A-161	HEX SCREW 1/4 x 1 1/4	2
67	A-146	LOCK WASHER 3/8	1
68	A-147	FLAT WASHER 3/8	7



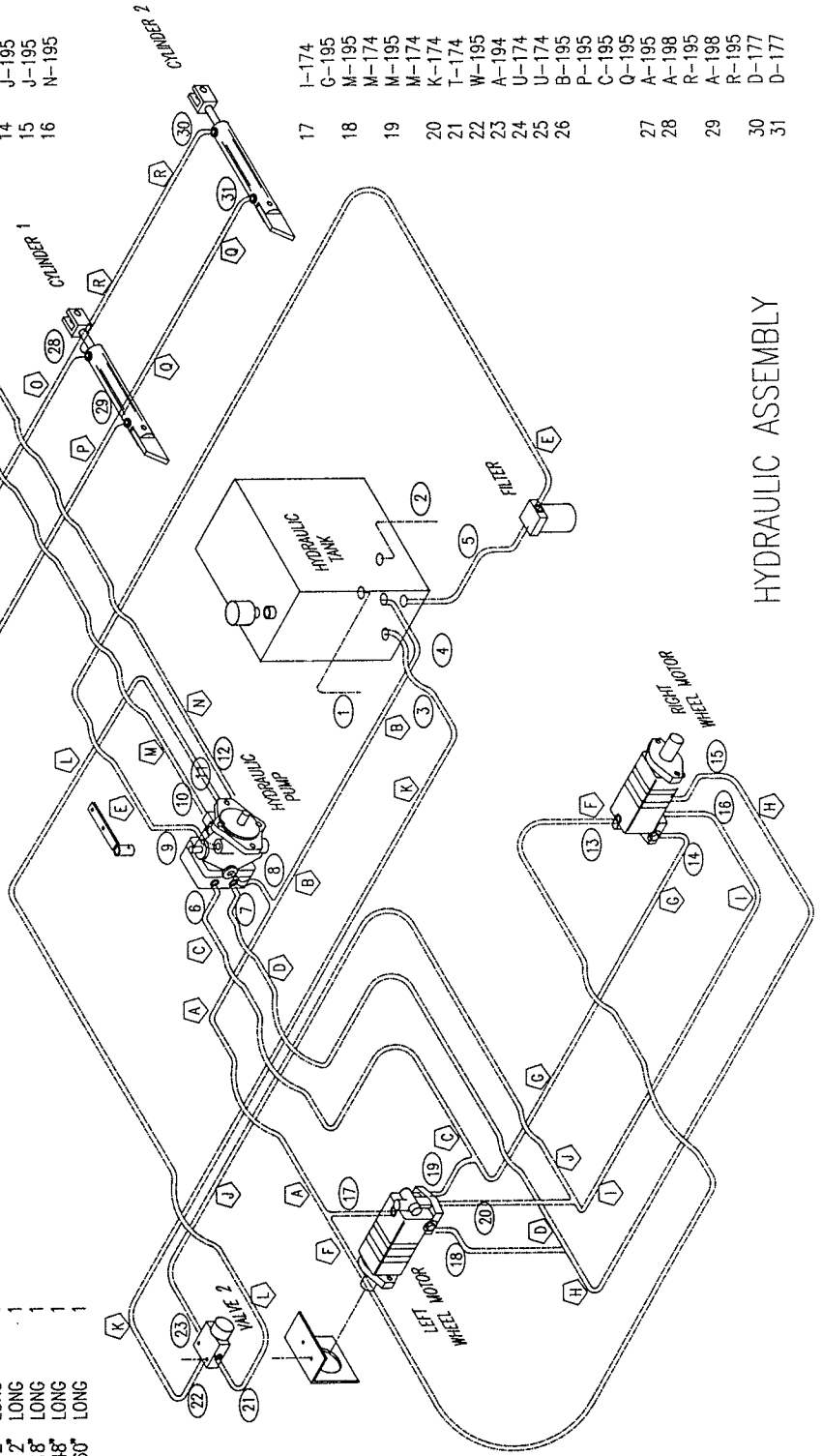
QTY	PART NO.	NAME
2	E-002	TINE GUIDE DISC
20	E-002	TINE GUIDE DISC
2	G-002	TINE GUIDE DISC
12	A-134	HEX BOLT
12	A-013	SPRING
12	A-114	SPRING
12	F-003	NYLON DISC
24	E-003	RUBBER GUIDE
12	D-004	TINE GUIDE SHAFT
17	A-151	HEX BOLT
18	A-038	DBL TINE HOLDER
20	A-132	HEX BOLT
22	A-040	LOCKING CLIP
23	G-005	FLAT HEAD BOLT
8	A-107	1 1/2 BEARING
24	A-108	FLANGETTE
8	D-072	CAM SHAFT
26	A-149	HEX BOLT
27	A-099	CAM END PLATE
28	F-070	V-BELT
30	F-066	CAM PULLEY
31	G-230	SO KEY
32	C-073	ROCKER ARM SHAFT
37	C-073	WASHER
38	L-135	LOWER RING
39	A-218	THIN WASHER
40	F-135	BALL BEARING
41	B-114	UPPER RING
42	B-218	CAM BEARING
43	A-113	LOWER CAM BOLT
45	E-148	BUSHING
46	A-121	90° GREASE FITTING ARM
65	B-106	RIGHT END ROCKER ARM
67	C-006	LEFT END ROCKER ARM
68	C-006	ROCKER ARMS
69	A-006	COLLAR
141	A-062	WASHER
174	C-089	FLAT HEAD BOLT
176	E-005	SHAFT RET'G PLATE
177	P-164	LOCK NUT
178	E-158	LOCK NUT
179	A-158	UPPER CAM BOLT
180	F-148	UPPER THIN CAM BOLT
181	H-148	LOWER THIN CAM BOLT
182	G-148	VELCRO STRIP
183	R-219	RET'G PLATE
184	W-164	STOCKER NUT
185	L-156	LOCK NUT
186	A-157	HEX SCREW
187	D-146	LOCK WASHER
188	C-138	FLAT WASHER
189	A-139	

REV
3-1-90

REV
3-1-90

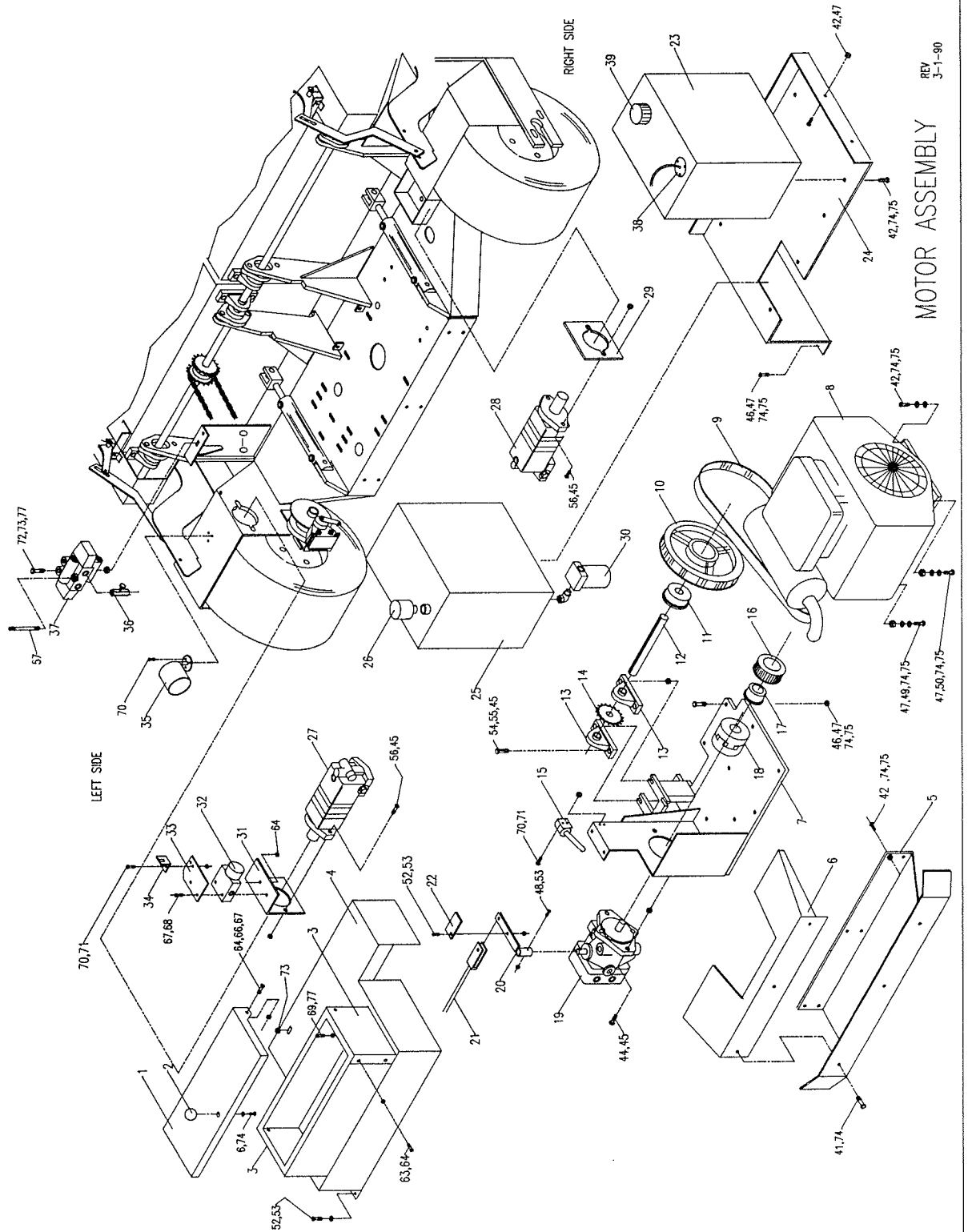
Salsco, Inc.
LEADER BY DESIGN
 105 SCHOOL HOUSE ROAD
 CHESHIRE, CONNECTICUT 06410

ITEM	DESCRIPTION	QTY
A	HOSE 22" LONG	1
B	HOSE 47" LONG	1
C	HOSE 34" LONG	1
D	HOSE 34" LONG	1
E	HOSE 69" LONG	1
F	HOSE 59" LONG	1
G	HOSE 50" LONG	1
H	HOSE 50" LONG	1
I	HOSE 19" LONG	1
J	HOSE 59" LONG	1
K	HOSE 24" LONG	1
L	HOSE 12" LONG	1
M	HOSE 12" LONG	1
N	HOSE 12" LONG	1
O	HOSE 12" LONG	1
P	HOSE 18" LONG	1
Q	HOSE 48" LONG	1
R	HOSE 60" LONG	1
P-196	3/4 DRAIN PLUG	1
O-196	3/8 DRAIN PLUG	1
U-195	STRAIGHT ADAPTER	1
C-175	STRAIGHT ADAPTER	1
Q-196	90 MALE ELBOW	1
A-175	FILTER & HOUSING	1
F-174	ELBOW ADAPTER	1
G-174	ELBOW ADAPTER	1
H-174	ELBOW ADAPTER	1
G-174	TEE ADAPTER	1
G-174	ELBOW ADAPTER	1
D-195	STRAIGHT ADAPTER	1
V-174	ELBOW ADAPTER	1
U-174	ELBOW ADAPTER 45	1
W-195	ELBOW ADAPTER	1
G-195	ELBOW ADAPTER 45	1
J-195	ELBOW ADAPTER	1
N-195	ELBOW ADAPTER	1



I-174	TEE ADAPTER	1
G-195	ELBOW ADAPTER 45	1
M-195	STRAIGHT ADAPTER	1
M-174	TEE ADAPTER	1
M-195	STRAIGHT ADAPTER	1
M-174	TEE ADAPTER	1
K-174	TEE ADAPTER	1
T-174	ELBOW ADAPTER	1
W-195	ELBOW ADAPTER	1
A-194	STRAIGHT ADAPTER	1
U-174	ELBOW ADAPTER	1
U-174	ELBOW ADAPTER	1
B-195	ELBOW ADAPTER	1
P-195	NIPPLE	1
C-195	FLOW CONTROL VALVE	1
Q-195	STRAIGHT ADAPTER	1
A-195	STRAIGHT ADAPTER	1
A-198	TEE ADAPTER	1
R-195	ELBOW ADAPTER	1
A-198	TEE ADAPTER	1
R-195	ELBOW ADAPTER	1
D-177	ELBOW ADAPTER	1
D-177	ELBOW ADAPTER	1

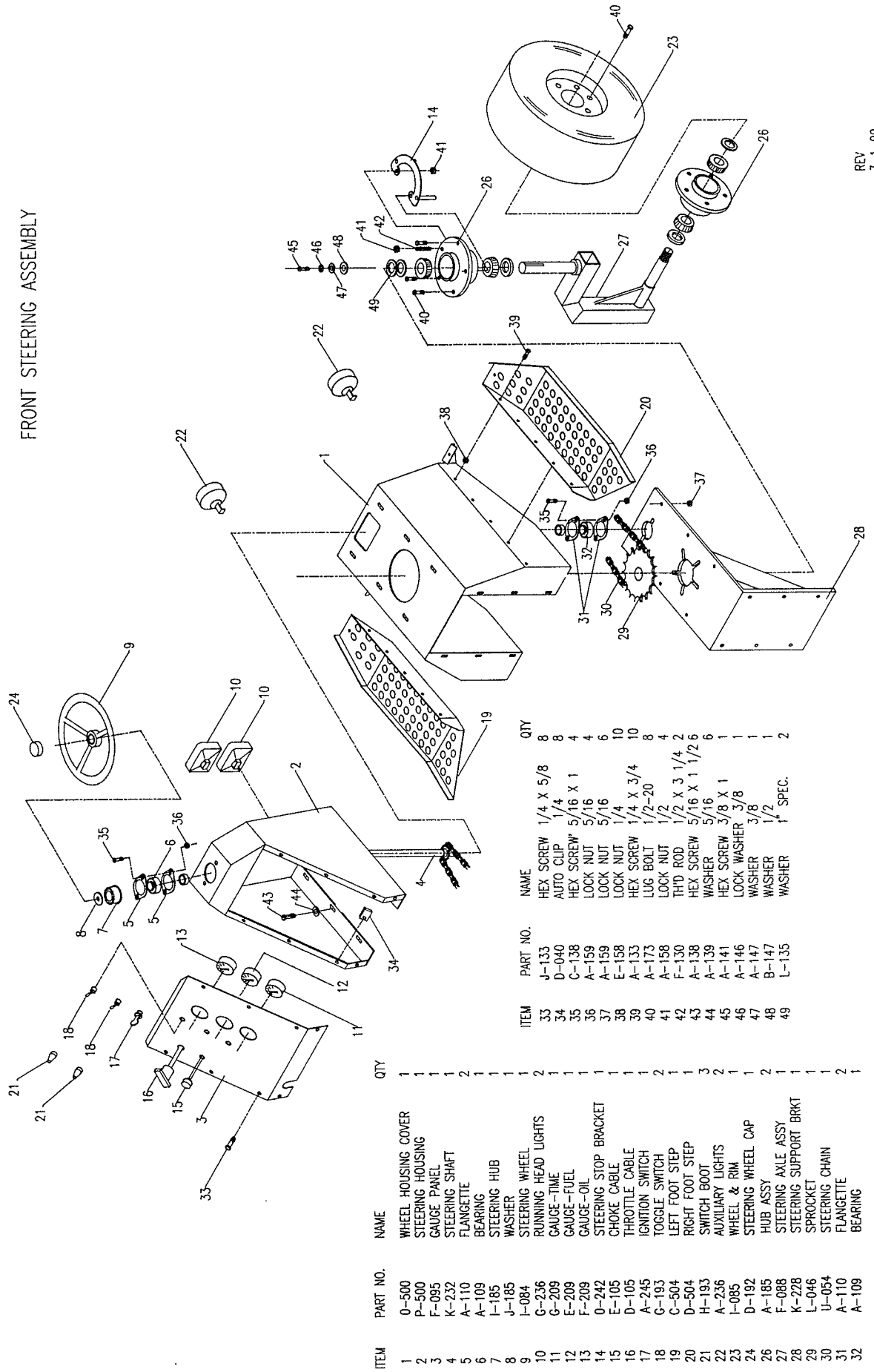
HYDRAULIC ASSEMBLY



MOTOR ASSEMBLY
REV 3-1-90

ITEM	PART NO.	NAME	QTY
1	A-505	COVER	1
2	B-104	FANCB	1
3	B-165	TOOL BOX HALF	1
4	C-165	BELT GUARD	1
5	C-234	HOSE BUMPER GUARD	1
6	D-234	HOSE GUARD-REAR	1
7	I-089	PUMP & MOTOR PLATE	1
8	O-200	MOTOR BELT	1
9	G-070	TUNING BELT	1
10	F-064	PULLEY HUB	1
11	A-232	TUNING BELT SHIRT	1
12	A-178	PISTON BLOCK BEARING	2
13	I-046	SPROCKET	1
14	D-235	ALARM SWITCH	1
15	C-064	TUNING BELT PULLEY	1
16	K-050	CORPLING	1
17	E-054	PUMP-HYD	1
18	R-208	HYD CONTROL LEVER	1
19	C-105	THROTTLE CABLE	1
20	C-243	SWITCH ACTUATING PLATE	1
21	X-183	FUEL TANK	1
22	H-164	TANK MOUNTING PLATE	1
23	G-183	HYDRAULIC TANK	1
24	B-175	FILLER CAP	1
25	G-189	LEFT WHEEL MOTOR	1
26	H-189	RIGHT WHEEL MOTOR	1
27	Z-164	MOTOR SPACER PLATE	1
28	A-175	FILTER & HOUSING	1
29	Y-164	FILTER MOUNTING PLATE	1
30	C-197	VALVE-HYD	1
31	U-099	CABLE MOUNTING PLATE	1
32	J-228	CABLE MOUNTING BRKT	1
33	E-226	BACKUP ALARM	1
34	C-195	VALVE-FLOW CONTROL	1
35	B-236	VALVE-HYD	1
36	K-175	FUEL SENDING SWITCH	1
37	F-176	GAS CAP	1
38	A-140	FUEL FILTER, INLINE	1
39	A-141	HEX SCREW 3/8 X 3/4	3
40	B-141	HEX SCREW 3/8 X 1	16
41	C-150	HEX SCREW 3/8 X 1 1/2	2
42	A-158	LOCK NUT 1/2	2
43	A-158	HEX SCREW 1/2 X 1 1/2	10
44	A-158	HEX SCREW 3/8 X 1 1/2	7
45	A-158	HEX SCREW 3/8 X 1	11
46	A-158	HEX SCREW 3/8 X 1 1/2	1
47	A-158	HEX SCREW 3/8 X 1 1/2	1
48	A-158	HEX SCREW 3/8 X 1 1/2	1
49	A-158	HEX SCREW 3/8 X 1 1/2	1
50	A-158	HEX SCREW 3/8 X 1 1/2	1
51	A-158	HEX SCREW 3/8 X 1 1/2	1
52	A-158	HEX SCREW 3/8 X 1 1/2	1
53	A-158	HEX SCREW 3/8 X 1 1/2	1
54	A-158	HEX SCREW 3/8 X 1 1/2	1
55	A-158	HEX SCREW 3/8 X 1 1/2	1
56	A-158	HEX SCREW 3/8 X 1 1/2	1
57	A-158	HEX SCREW 3/8 X 1 1/2	1
58	A-158	HEX SCREW 3/8 X 1 1/2	1
59	A-158	HEX SCREW 3/8 X 1 1/2	1
60	A-158	HEX SCREW 3/8 X 1 1/2	1
61	A-158	HEX SCREW 3/8 X 1 1/2	1
62	A-158	HEX SCREW 3/8 X 1 1/2	1
63	A-158	HEX SCREW 3/8 X 1 1/2	1
64	A-158	HEX SCREW 3/8 X 1 1/2	1
65	A-158	HEX SCREW 3/8 X 1 1/2	1
66	A-158	HEX SCREW 3/8 X 1 1/2	1
67	A-158	HEX SCREW 3/8 X 1 1/2	1
68	A-158	HEX SCREW 3/8 X 1 1/2	1
69	A-158	HEX SCREW 3/8 X 1 1/2	1
70	A-158	HEX SCREW 3/8 X 1 1/2	1
71	A-158	HEX SCREW 3/8 X 1 1/2	1
72	A-158	HEX SCREW 3/8 X 1 1/2	1
73	A-158	HEX SCREW 3/8 X 1 1/2	1
74	A-158	HEX SCREW 3/8 X 1 1/2	1
75	A-158	HEX SCREW 3/8 X 1 1/2	1
76	A-158	HEX SCREW 3/8 X 1 1/2	1
77	A-158	HEX SCREW 3/8 X 1 1/2	1

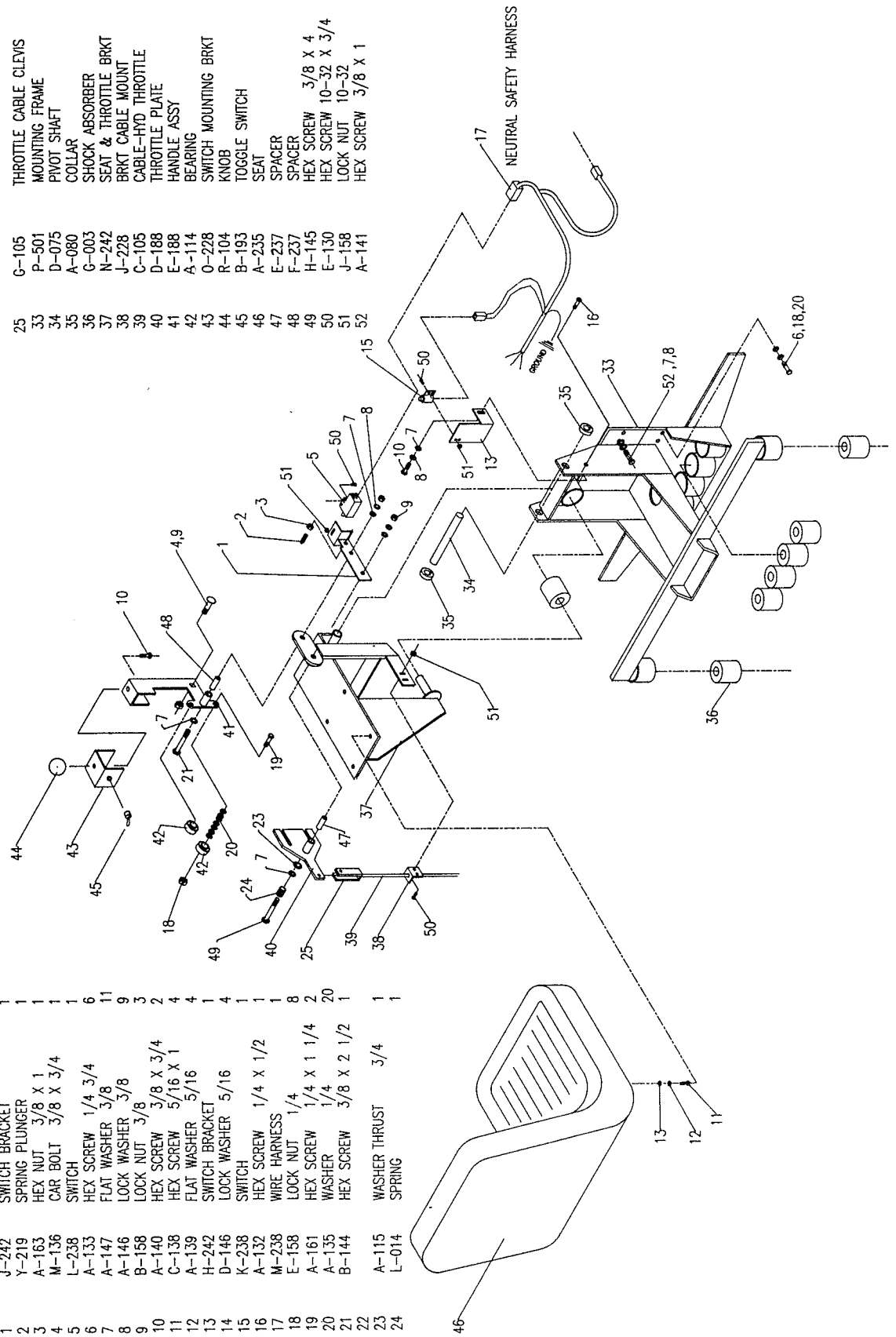
FRONT STEERING ASSEMBLY



ITEM	PART NO.	NAME	QTY	ITEM	PART NO.	NAME	QTY
1	0-500	WHEEL HOUSING COVER	1	33	J-133	HEX SCREW 1/4 X 5/8	8
2	P-500	STEERING HOUSING	1	34	D-040	AUTO CLIP 1/4	8
3	F-095	GAUGE PANEL	1	35	C-138	HEX SCREW 5/16 X 1	4
4	K-232	STEERING SHAFT	1	36	A-159	LOCK NUT 5/16	4
5	A-110	FLANGE	2	37	A-159	LOCK NUT 5/16	6
6	A-109	FLANGE	1	38	E-158	LOCK NUT 1/4 X 3/4	10
7	I-185	STEERING HUB	1	39	A-133	HEX SCREW 1/4 X 3/4	10
8	J-185	WASHER	1	40	A-173	LUG BOLT 1/2-20	8
9	I-084	STEERING WHEEL	1	41	A-158	LOCK NUT 1/2	4
10	G-236	RUNNING HEAD LIGHTS	2	42	F-130	TH'D ROD 1/2 X 3 1/4	2
11	G-209	GAUGE-TIME	1	43	A-138	HEX SCREW 5/16 X 1 1/2	6
12	E-209	GAUGE-FUEL	1	44	A-139	WASHER 5/16	6
13	F-209	GAUGE-OIL	1	45	A-141	HEX SCREW 3/8 X 1	1
14	O-242	STEERING STOP BRACKET	1	46	A-146	LOCK WASHER 3/8	1
15	E-105	CHOKE CABLE	1	47	A-147	WASHER 3/8	1
16	D-105	THROTTLE CABLE	1	48	B-147	WASHER 1/2	1
17	A-245	IGNITION SWITCH	1	49	L-135	WASHER 1" SPEC.	2
18	G-193	TOGGLE SWITCH	2				
19	C-504	LEFT FOOT STEP	1				
20	D-504	RIGHT FOOT STEP	1				
21	H-193	SWITCH BOOT	3				
22	A-236	AUXILIARY LIGHTS	2				
23	I-085	WHEEL & RIM	1				
24	D-192	STEERING WHEEL CAP	1				
26	A-185	HUB ASSY	1				
27	F-088	STEERING AXLE ASSY	2				
28	K-228	STEERING SUPPORT BRKT	1				
29	U-046	SPROCKET	1				
30	U-054	STEERING CHAIN	1				
31	A-110	FLANGE	2				
32	A-109	BEARING	1				

ITEM	PART NO.	NAME	QTY
1	J-242	SWITCH BRACKET	1
2	Y-219	SPRING PLUNGER	1
3	A-163	HEX NUT 3/8 X 1	1
4	M-136	CAR BOLT 3/8 X 3/4	1
5	L-238	SWITCH	1
6	A-133	HEX SCREW 1/4 X 3/4	6
7	A-147	FLAT WASHER 3/8	11
8	A-146	LOCK WASHER 3/8	9
9	B-158	LOCK NUT 3/8	3
10	A-140	HEX SCREW 3/8 X 3/4	2
11	C-138	HEX SCREW 5/16 X 1	4
12	A-139	FLAT WASHER 5/16	4
13	H-242	SWITCH BRACKET	1
14	D-146	LOCK WASHER 5/16	4
15	K-238	SWITCH	1
16	A-132	HEX SCREW 1/4 X 1 1/2	1
17	M-238	WIRE HARNESS	1
18	E-158	LOCK NUT 1/4	8
19	A-161	HEX SCREW 1/4 X 1 1/4	2
20	A-135	WASHER 1/4	20
21	B-144	HEX SCREW 3/8 X 2 1/2	1
22			
23	A-115	WASHER THRUST	3/4
24	L-014	SPRING	1

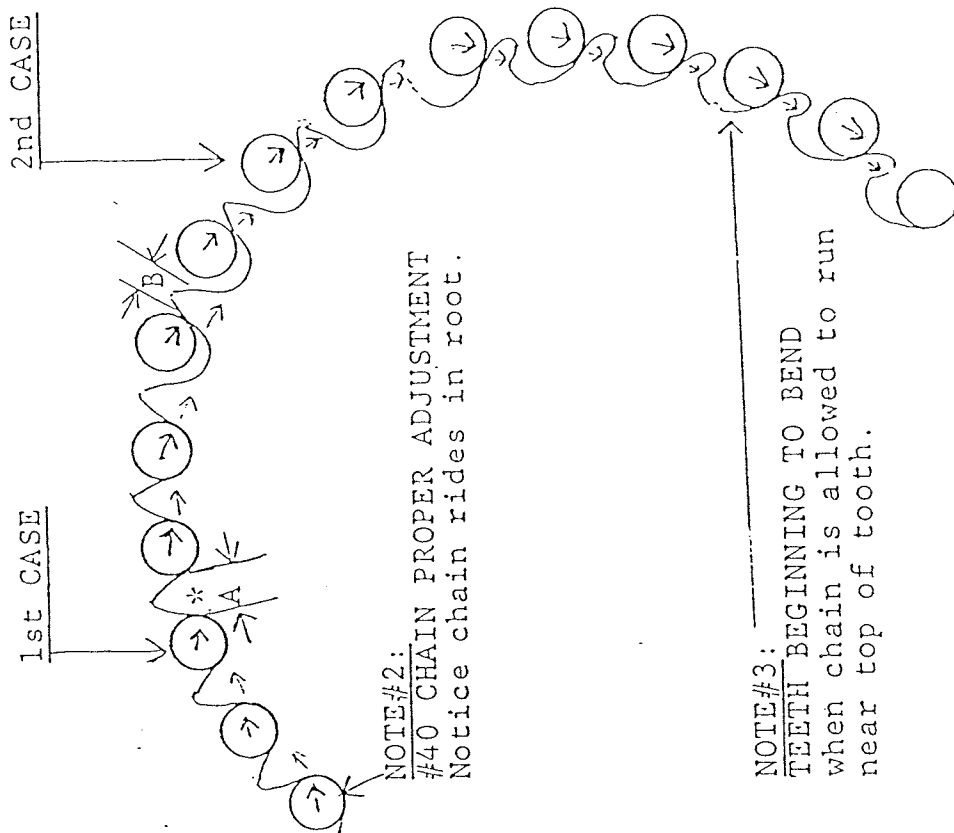
ITEM	PART NO.	NAME	QTY
25	G-105	THROTTLE CABLE CLEVIS	1
33	P-501	MOUNTING FRAME	1
34	D-075	PIVOT SHAFT	1
35	A-080	COLLAR	2
36	G-003	SHOCK ABSORBER	7
37	N-242	SEAT & THROTTLE BRKT	1
38	J-228	BRKT CABLE MOUNT	1
39	C-105	CABLE-HYD THROTTLE	1
40	D-188	THROTTLE PLATE	1
41	E-188	HANDLE ASST	1
42	A-114	BEARING	2
43	O-228	SWITCH MOUNTING BRKT	1
44	R-104	KNOB	1
45	B-193	TOGGLE SWITCH	1
46	A-235	SEAT	1
47	E-237	SPACER	1
48	F-237	SPACER	1
49	H-145	HEX SCREW 3/8 X 4	1
50	E-130	HEX SCREW 10-32 X 3/4	6
51	J-158	LOCK NUT 10-32	6
52	A-141	HEX SCREW 3/8 X 1	6

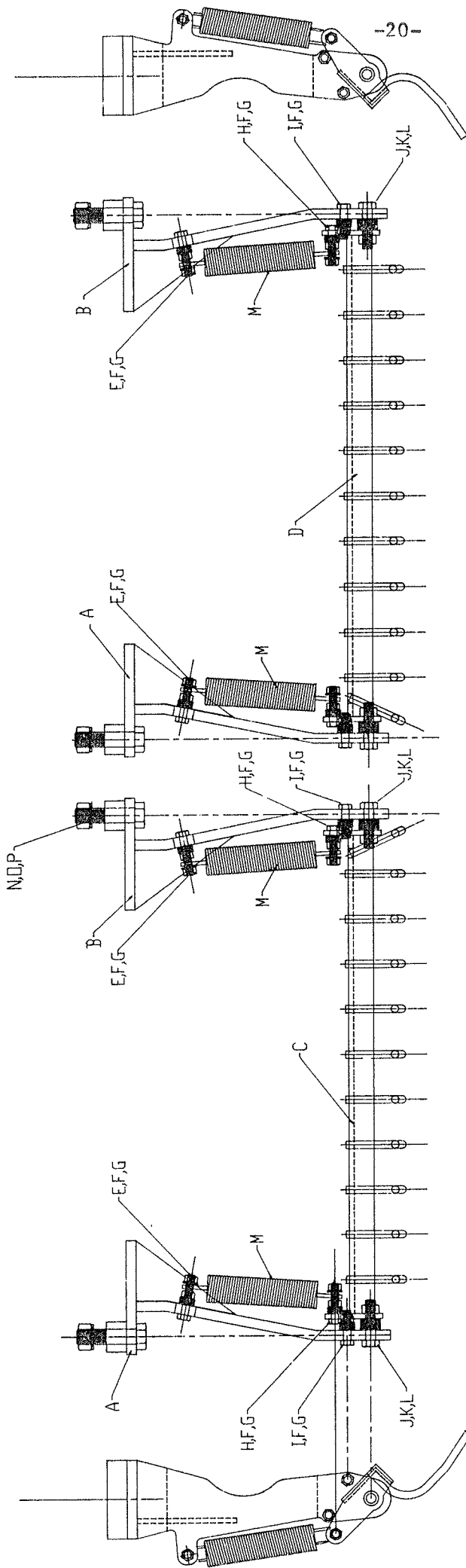


NOTE#1:
"A" Dimension is greater than "B" dimension.
Also, in 1st Case, roller rides in root and has less leverage on tooth than in 2nd Case.

1st CASE:
Rollers from a properly adjusted chain running in the root of the sprocket.
Notice force being applied to the "A" dimension of the tooth.

2nd CASE:
Poorly adjusted chain. Rollers applying force to the top of the tooth "B" dimension.





915 TURF HOLD DOWN KIT

Salsco, Inc.

LEADER BY DESIGN

105 SCHOOL HOUSE ROAD
CHESHIRE, CONNECTICUT 06410

ITEM	DESCRIPTION	PART NO.	QTY
A	RIGHT BRACKET ASSY	D-213	2
B	LEFT BRACKET ASSY	E-213	2
C	RIGHT RAKE ASSY	B-215	1
D	LEFT RAKE ASSY	C-213	1
E	HEX SCREW	A-144	4
F	FLAT WASHER	A-147	96
G	LOCK NUT	B-158	32
H	HEX SCREW	B-143	4
I	HEX SCREW	A-143	8
J	HEX SCREW	A-150	4
K	FLAT WASHER	B-147	28
L	LOCK NUT	A-158	4
M	SPRING	A-013	4
N	HEX SCREW	E-154	4
O	LOCK WASHER	G-146	4
P	LOCK NUT	F-158	4

WARRANTY

Your Salsco Commercial or Turf Equipment product is a commercial type product and is normally manufactured and sold for commercial or industrial use. Salsco will, for the original purchaser, for one (1) year from the date of purchase (90 days if used for rental purposes; RENTAL IN THIS CASE MEANS MACHINE DOING PROPERTIES NOT OWNED BY ORIGINAL PURCHASER) repair or replace, free of charge, any part or parts found to be defective in material or workmanship or both. Any transportation charges to be borne by the purchaser.

If, during the Warranty Period, the product does not function properly due to defect, simply contact your Salsco Dealer and provide the unit or part for inspection or contact directly:

SALSCO, INC.
Service Department
105 School House Road
Cheshire, CT 06410

203/271-1682
FAX: 203/271-2596

This warranty does not include incidental or consequential damages and is exclusive of any implied warranties.

This warranty does not include normal maintenance parts, including, but not limited to spark plugs, filters, lubricants, springs, tines, tine overlays, nylon bars, and blades.

This warranty does not include parts or components which are covered under the original manufacturers warranty, including, but not limited to engine and differential.

Suggested Tightening Torques For Alloy 1960 Inch Series Socket Head Cap Screws

NOMINAL SIZE	BASIC SCREW DIAMETER INCHES	TORQUE TO TIGHTEN SCREWS TO YIELD (in-lb)		TIGHTENING TORQUE* (in-lb)	
		UNRC	UNRF	UNRC	UNRF
0	0.0600	—	3.5	—	2.6
1	0.0730	6	6.5	4.5	4.8
2	0.0860	10	11	7.5	8
3	0.0990	15	16	11	12
4	0.1120	22	24	16	18
5	0.1250	32	33	24	24
6	0.1380	40	45	30	34
8	0.1640	74	78	55	58
10	0.1900	105	120	79	90
		(ft-lb)		(ft-lb)	
1/4	0.2500	22	25	17	19
5/16	0.3125	46	51	35	38
3/8	0.3750	83	93	62	70
7/16	0.4375	132	146	100	109
1/2	0.5000	203	230	150	172
5/8	0.6250	380	430	283	317
3/4	0.7500	667	750	500	562
7/8	0.8750	917	1020	688	767
1	1.0000	1390	1520	1040	1080
1-1/4	1.2500	2780	3080	2080	2310
1-1/2	1.5000	4850	5450	3625	4080

Nominal Sizes	Tensile Strength P.S.I. Min.	Yield Strength P.S.I. Min.	Elongation* In 2 Inches Per Cent Min.	Reduction of Area* Per Cent Min.	Minimum Hardness Rockwell C
0 to 1/2	180,000	162,000	12	35	39
Over 1/2	170,000	153,000	14	40	38

* Listed tightening torques are 75 percent of the torque to yield based on ASTM574. Specification listing tensile strength of 180,000 PSI for screw size 0.500 and smaller and 170,000 PSI for screw size 0.625 and larger. Values based on plated and non-lubricated fasteners.

Tightening torques are only recommended for proper applications. Refer to your engineering stats.

Suggested Tightening Torques For Other Alloy Socket Screw Products (INCH-POUND)

Nom. size	Basic Screw Diameter	Button Head Flat Head Hex Key Size	Flat Head		Button Head				Shoulder Screw	Low Head
			Tightening Torque		Tightening Torque		Nominal Size	Hex Key Size	Tightening Torque	Tightening Torque
0	.060	.035	—	1.5	—	1.5	—	—	—	—
1	.073	.050	2.5	2.5	2.5	2.5	—	—	—	—
2	.086	.050	4.5	4.5	4.5	4.5	—	—	—	—
3	.099	1/16	7	7	7	7	—	—	—	—
4	.112	1/16	8	8	8	9	4	.050	—	5.0
5	.125	5/64	12	13	12	12	5	.062	—	9.5
6	.138	5/64	15	17	16	16	6	.062	—	9.5
8	.164	3/32	30	31	30	30	8	5/64	—	19.4
10	.190	1/8	40	45	40	45	10	3/32	—	33.5
1/4	.250	5/32	100	110	100	110	1/4	1/8	50	77.9
5/16	.312	3/16	200	220	200	220	5/16	5/32	125	156.0
3/8	.375	7/32	350	400	350	400	3/8	3/16	265	273.0
7/16	.437	1/4	560	625	—	—	7/16	7/32	—	428.0
1/2	.500	5/16	850	1,000	850	1,000	1/2	1/4	470	615.0
9/16	.562	5/16	1,200	1,360	—	—	—	—	—	—
5/8	.625	3/8	1,700	1,900	1,700	1,800	5/8	5/16	1,150	1,315.0
3/4	.750	1/2	3,000	3,200	—	—	3/4	3/8	2,000	—
7/8	.875	9/16	5,000	5,400	—	—	—	—	—	—
1	1.000	5/8	8,000	7,600	—	—	1	1/2	4,000	—

* Listed tightening torques are 75 percent of the torque to yield based on ASTM574. Specification listing tensile strength of 180,000 PSI for screw size 0.500 and smaller and 170,000 PSI for screw size 0.625 and larger. Values based on plated and non-lubricated fasteners.

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