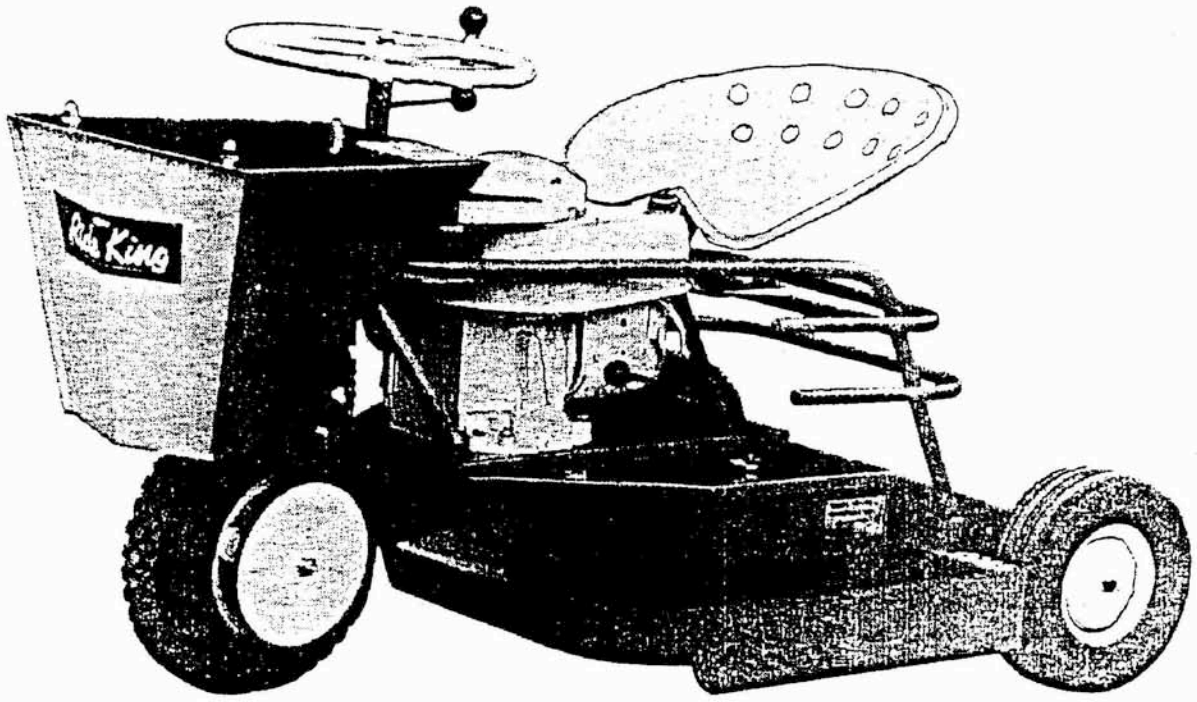
Ride King

MODEL R-32



LIMITED WARRANTY

This Rotary Mower was thoroughly tested and was in proper working order when leaving the factory. It is warranted against defects in materials and workmanship for a period of one year from date of sale.....During the Warranty Period, replace, free of charge to the original purchaser, any part of the mower (except engine) that our examination shows to be defective in workmanship or materials. If mower is put to commercial use, warranty is limited to 30 days.

All transportation charges on, and damages and loss incurred in connection with the transportation of parts submitted for replacement or repair under this warranty shall be borne by the purchaser.

This warranty does not apply to damage in transit or damage caused by misuse, abuse, neglect, accident or alterations by unauthorized persons.....This Warranty does not apply to the engine unit as the engine is warranted by the engine manufacturer. See engine manufacturer's instruction manual for engine warranty. If engine repairs or parts are needed, contact your nearest engine manufacturer's service station.

SWISHER MOWER AND MACHINE CO., INC

P.O. Box 67 - Warrensburg, Missouri 64093 Phone 816/747-8183

should be operated in counter clockwise turns to eliminate the grass from being cut twice and "balling up" beneath the mower, (discharging clippings on the cut portion of grass). This will allow the grass to flow freely from the mower and ease the cutting operation. If the grass is extremely long or damp, it is suggested that the "lo" drive position combined with a high engine speed be used. If the unit should become clogged with grass, simply stop the motion of the mower and the blades will clear themselves. A further aid in cutting heavy grass would be to cut one half or less of the normal swath. Under normal conditions this would not be necessary.

MOWING MEDIUM TO LIGHT GRASS ---- Mow in the clockwise manner around the lawn throwing the clippings on the uncut grass. This procedure will allow the clippings to be repeatedly cut, therefore, less visible clippings are left.

REPLACING THE BLADE BELT ---- The blade belt should be checked for wear occasionally. The belt is easy to change and can be done in a minimum of time. To replace the blade belt, remove the worn belt, carefully observing the belt path and position. Install the new belt according to the original position. The new belt will appear to be very tight, thus the blade drive pulley should be the last pulley that the belt is placed over. Replacement of the remaining belts should present little problem. The blade belt is a feature to protect the engine in case of blade contact with rocks etc. It is impossible to spring the engine crankshaft with this method.

WINTER STORAGE ---- All grass and dirt should be removed from the top surface and underneath side of the mower housing. Consult your engine manual for recommendations on winter storage as well as any other care of your engine.

Following the simple maintenance and operational hints outlined here, will enable you to enjoy many years of fine lawn care from your Swisher Mower.

LLOWING OPERATING HINTS SHOULD BE USED TO OBTAIN THE BEST POSSIBLE RESULTS OM YOUR NEW MOWER.

THE ENGINE MANUFACTURERS MANUAL AND OTHER SUPPLEMENTARY INSTRUCTIONS OULD BE CAREFULLY READ BEFORE OPERATING YOUR MOWER.

OPERATION ---- Disengage drive lever (just below steering wheel) by moving rea: rd. Disengage blade clutch by moving control lever (located on lower left side machine) to the rear. As you read these instructions, begin to familiarize urself with the controls. If all fuel and lubrication levels are at the full rk, start the engine. Engage the blades by moving lever on the lower left side the machine toward the front. To put the mower in motion push the lever under eering wheel forward. The operator should select an open unobstructed area in ich to initially operate the mower. As you begin operation of the mower, you ll notice several features which make the Swisher unique.

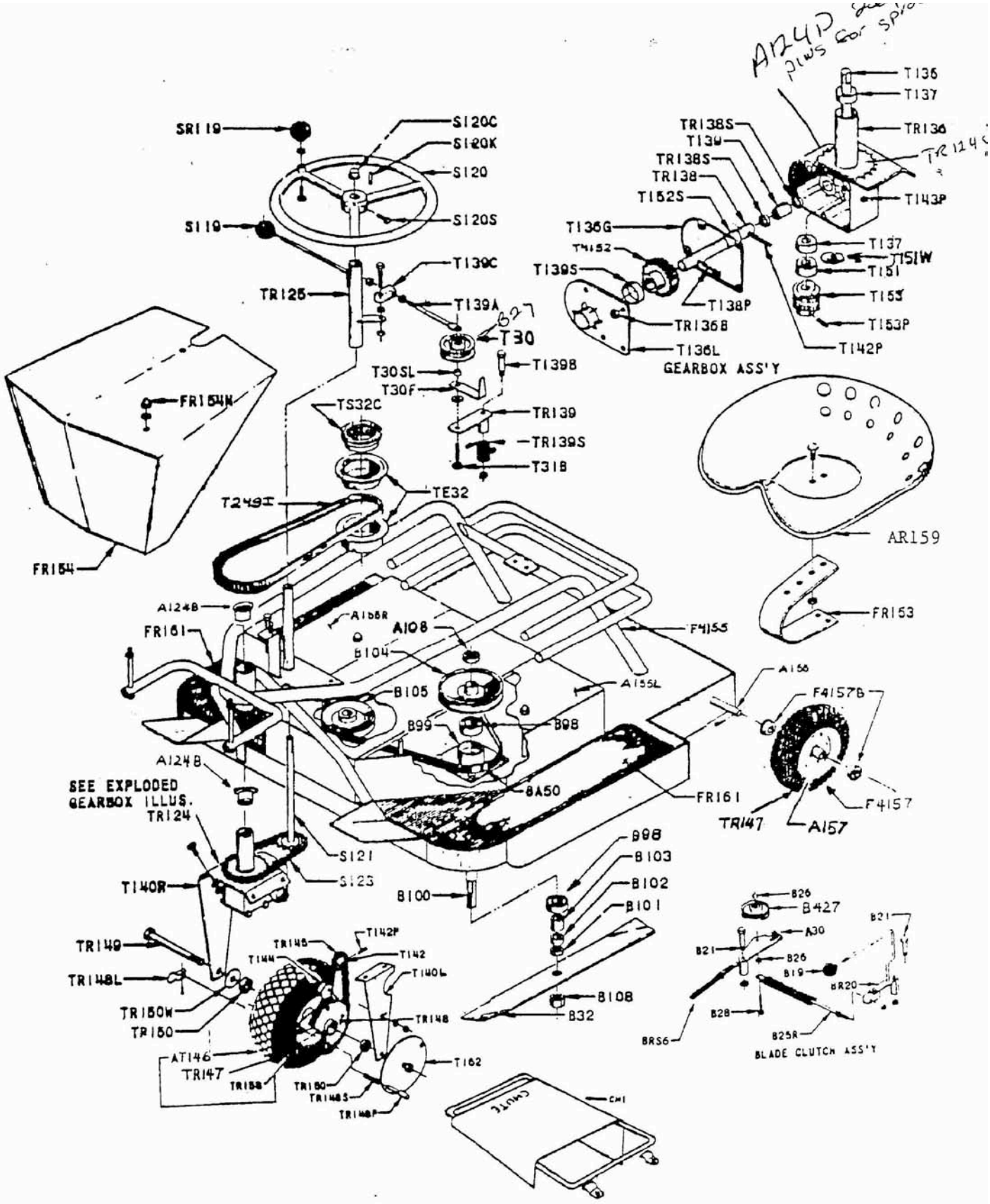
CUTTING HEIGHT ADJUSTMENT ---- To change the cutting height, remove B108 Nut om Blade shaft B 100. Remove blade and spacer sleeves and place above or below ade depending on whether you are raising or lowering the cut. Sharpen blade if eded and install with lip turned up (the turned-up portion behind the cutting ge). Be sure to tighten blade nut securely.

LUBRICATION ---- (refer to your engine manual for engine care) The wheels may oiled with soft oil (same as used in crank case of engine) by putting a few ops on each wheel bearing. The blade bearings are sealed (do not need outside brication) and are packed for life. The gear box on drive unit should be check- each twenty hours of operation. Check plug is located on front side of gear x. Use only the special oil prepared by the manufacturer which is supplied rough your mower dealer. The gear box must have an extreme pressure oil with a gh lead content. Your gear box will normally run hot (100 degrees above sur- unding temperatures).

IMPORTANT FEATURES ---- One very great advantage in operating a Swisher Mower, the patented front wheel drive, which makes it possible to maneuver in spaces ere four-wheel units experience difficulty. Trimming around trees and shrubs is ne easily, due to the fact that the power wheel steers 360 degrees making it ssible to achieve a circle of any size. Reversing the mower is accomplished by opping the forward motion of the mower and turning the front wheel 180 degrees d engaging the clutch. Actually reverse is not necessary because the mower will rn around or pivot around within its own length, therefore no need to be look- g back over your shoulder to see where you are going.

Another helpful feature (if so equipped) is the two speed drive. This feature ll allow a rapid change of speed from "lo" to "hi" or from "hi" to "lo" without utching. The "lo" speed should be used for trimming, and to maneuver in tight aces. When shifting, engine speed need not be changed as it is better to shift quickly as possible. Forward motion can also be reduced by lowering the engine eed.

MOWING ON AN INCLINE ---- As with all machinery caution should be exercised rticularly in areas of incline. The operator should avoid quick sharp turns ile descending hills or uneven terrain. If your mower tends to tip over when rning on inclines, increase tire pressure up to thirty five pounds. Too low re pressure can also cause uneven cut on turns and hill sides.


A124P
T136
T137
TR136
TR138S
T139
TR138S
TR138
T152S
T143P
T136G
TM152
T139S
T138P
T136B
T136L
GEARBOX ASS'Y
T137
T151W
T151
T153
T153P
T142P
SR119
S120C
S120K
S120
S119
S120S
T139C
TR125
T139A
627
T30
T30SL
T30F
T139B
TR139
TR139S
T31B
TS32C
TE32
T249I
FR154N
FR154
AR159
FR153
A124B
A108B
FR161
A108
B104
B105
B99
B98
F4155
A156
A156L
F4157B
F4157
TR147
A157
A124B
SEE EXPLODED
GEARBOX ILLUS.
TR124
S121
S123
T140R
BA50
FR161
B98
B103
B102
B101
B100
B108
B32
TR149
TR148L
TR150W
TR150
AT146
TR147
TR158
TR148
T144
T142P
T142
T140L
TR148
TR150
TR148S
TR148P
T162
B26
B427
A30
B21
B26
B19
BR20
B28
BRS6
B25R
BLADE CLUTCH ASS'Y
CHUTE
CHI

BLADE ASSEMBLY AND RELATED PARTS

6	Blade Return Spring
6H	Wire Link for hooking BRS6 to Idler Knob
B	Bolt for B19 (5/16 x 24 x 3/4)
N	Nut for B 19 (5/16 x 24) Jam
0	Idler Control Assembly Lever Shoulder Bolt
R	Idler Control Rod and Spring Nut
	Bolt (for Idler Pulley)
B	Arm Assembly with Brake Knob
BL	Brake Arm Assembly with Knob
	Blades (pair) .
L	Long Blade or 18" left
S	Short Blade or 14" right
0	Blade Belt
	Blade Bearing
W	Washer
	Blade Bearing Housing (left or right)
B	5/16 x 1 1/2" Cap Screw
C	Housing, Complete Bearings & Shaft
N	Nut 5/16 x 18
S	Spacer
0	Blade Shaft left or right
1	Blade Spacer 1/4"
2	Blade Spacer 1/2"
3	Blade Spacer 1"
4	Blade Pulley
4W	3/4" Machinery Washer
5	Engine Pulley
5S	Spacer for Engine Pulley
8	Upper Blade Nut
8	Blade Nut (left or right)
8L	BladeLock Nut
7	Idler Pulley
104	Blade Pulley, right side

TRACTION DRIVE & RELATED PARTS
(not including gear box)

7	Idler Clutch Roller, flat type
0V	Idler Clutch Roller
0F	Belt Release Finger
0S	Idler Control Spring
0SL	Idler Spacer
1B	Bolt (through Clutch Roller)
32	Pulley (both halves)
32C	Starter Cup
3	Drive Pulley (For Single Speed)
6	Drive Belt (For Single Speed)
19	Knob
T125	Idler Control Assembly
R139	Idler Arm
139B	Shoulder Bolt
R139S	Spring
142	Sprocket
142P	Pin for Sprocket (split)
144	Chain Idler
R145	Drive Chain
T146	Air Tire, complete with wheel
R148	Drive Sprocket & Hub Assembly
R148L	Lock Pin Lever
R148P	Lock Pin
R148S	Lock Pin Spring
R149	Axle
R150	Bearing
R150W	Washer
R158	Wheel
162	Chain Guard
163	Belt Guard

STEERING ASSEMBLY

A2B	Bolt for T30S Spring
T2H	Steering Wheel Hub
T2HS	Set Screw
A120	Steering Wheel
A120B	1/4 x 28 x 3/4 Cap Screw
S120K	Key
A121	Steering Shaft & Sprocket
A124B	Flanged Bearing upper & lower (2) ea.
A124P	Steering Gear Pin (2) ea.
A124S	Steering Gear (big)

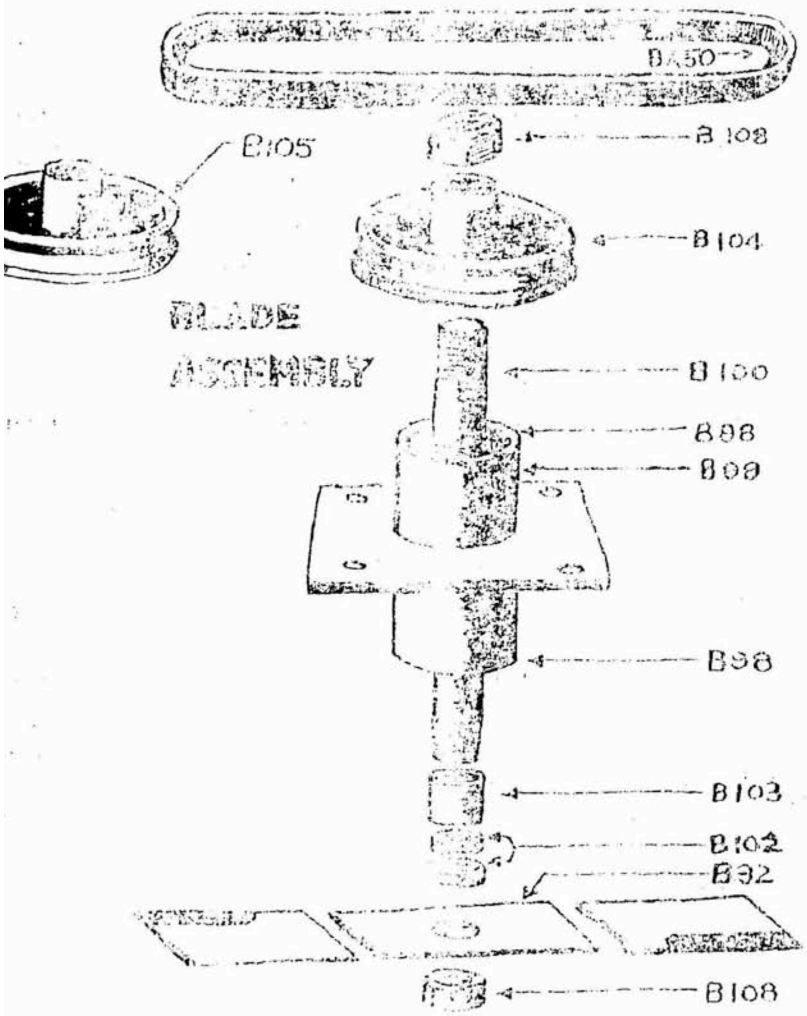
GEAR BOX ASSEMBLY

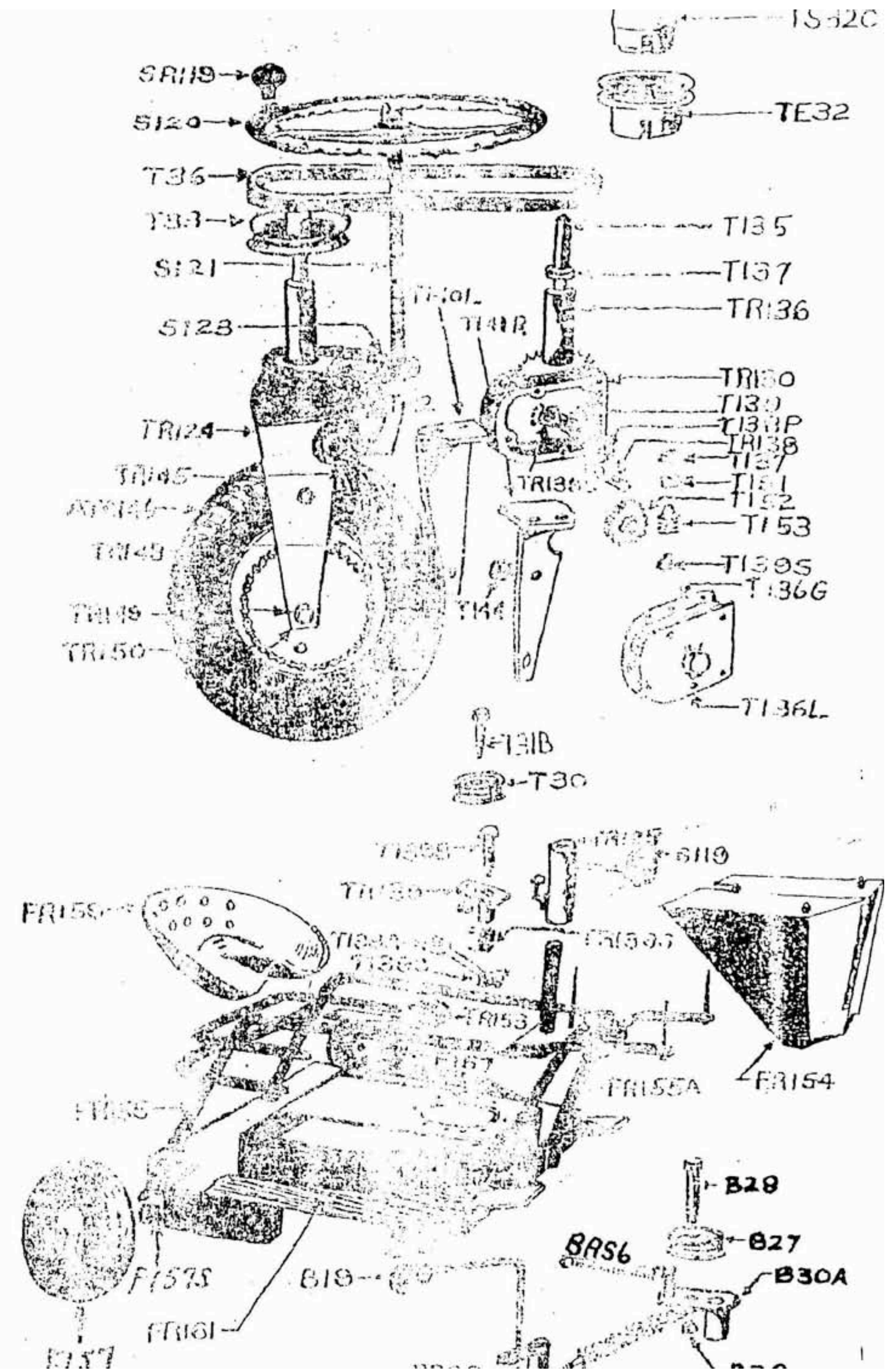
A124	Gear Box Assembly Complete
TR124L	Gear Box Lube
T135	Worm Shaft (not drilled, 3/16" bore)
A136	Gear Case
TR136B	Bolt with Nut
T136G	Gasket
T136L	Gear Case Lid
T137	Bearing
TR138	Gear Shaft
T138P	Gear Pin (solid)
TR138S	Seal
T139	Bearing (Roller)
T139S	Retainer Ring
A140	3/8 x 1 Flat Head Screw (4) Ea.
T140L	Wheel Bracket, left
T140R	Wheel Bracket, right
T143P	Oil Plug
T151	Bearing (Thrust)
T151W	Washer
T152	Gear
T152S	Gear Spacer
T153	Worm
T153P	Worm Pin

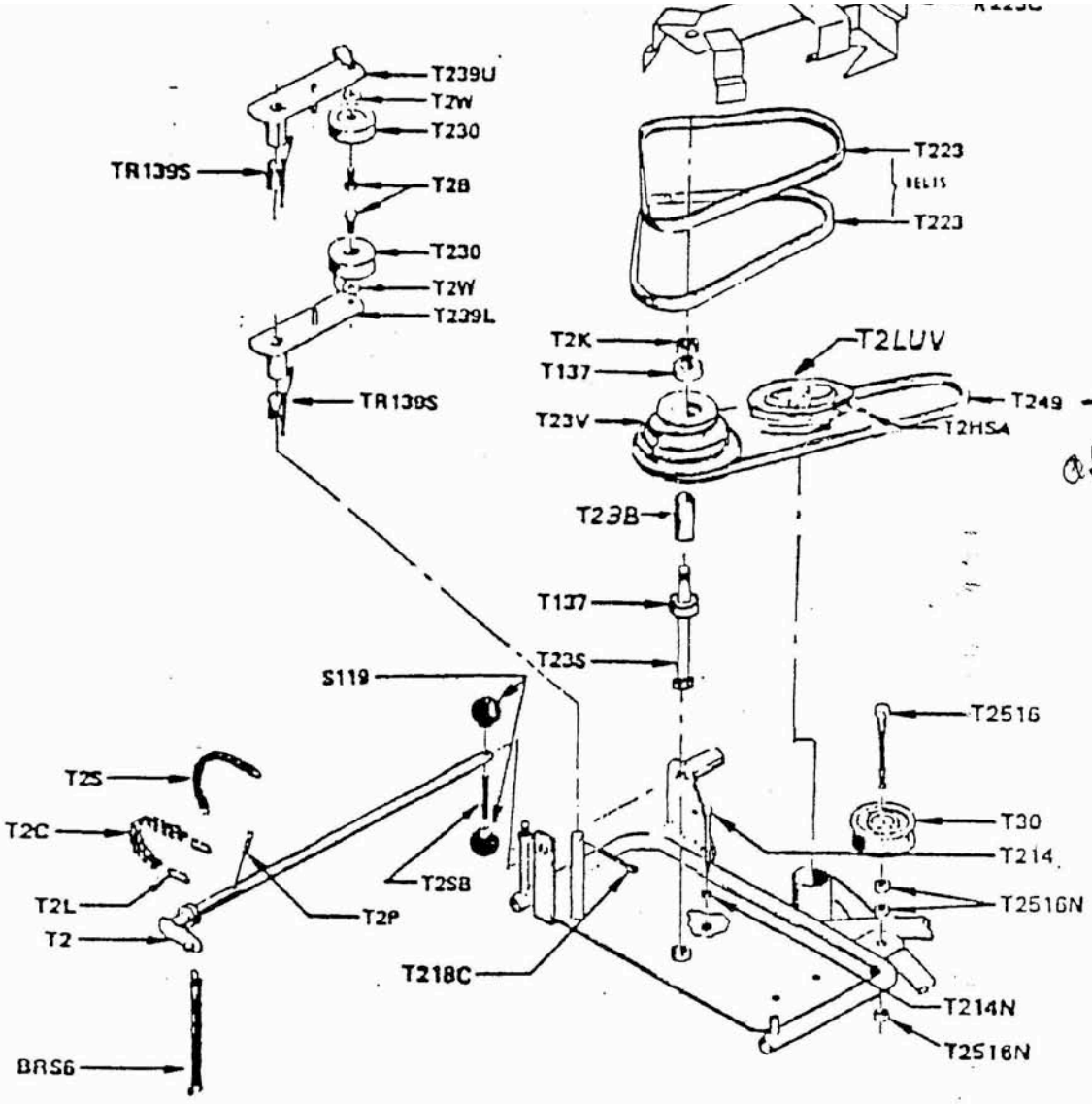
FRAME, CHASSIS & RELATED PARTS

CH-1	Chute
A12	Bolt, Spacer & Washer for Shield
AB12	Bolt for Heat Shield
AH12	Heat Shield
TR147	Rear Tire
TR147T	Rear Tube (Not Pictured)
A153	Seat Spring & Push Rod Assemby (2) ea
A154	Hood & Fuel Tank
FR154N	Hood Nut
A154NC	Fuel Tank Cap
A155	Complete Frame Assembly
A155G	Grommet, Lid
A155H	Hair Pin Latch
A155L	Belt Cover, left
A155R	Belt Cover, right
A156	Axle Shaft
A157	Rear Wheel
F157B	Wheel Bearing (1 3/8" O.D.)
F4157B	Wheel Bearing (1 1/8" O.D.)
F4157	Rear Wheel, Tire Tube
A159	Seat
A159C	Seat Cover, new style
A159F	Foam for seat
FR161	Floor Mats (set)
SS	Safety Switch (same in all locations)
KSM	Key Switch manual start and 120V
KS12	Key Switch 12V
SR12	Starter Relay (new style)
SOL	Starter Relay (Old Style push button)
BAT	Battery 12V Bone Dry

REPLACEMENT ENGINES CALL FOR QUOTE


BLADE ASSEMBLY
B105
BA50
B108
B104
B100
B88
B89
B98
B103
B102
B92
B108


SR119
S120
T36
T33
S121
S128
TR124
TR145
TR149
TR150
TI135
TI137
TR136
TR130
TI30
TI38P
TR138
TI53
TI395
TI36G
TI36L
TR138C
TI41R
T30
FR155
TR153
FR155A
FR154
B119
B28
B27
BAS6
B30A
B18
F157S
FR161



WHEN ORDERING PARTS, STATE MODEL and SERIAL NUMBER OF MOWER

TWO SPEED DRIVE

BRS6	Two speed shift lever spring
S119	Knob
T2	Two speed shift lever
T28	(2) Bolt
T2C	Two speed clutch chain
T2HSA	Two speed hub set screw
T2L	(2) Two speed clutch chain linkage
T2P	Two speed pin
T2S	Two speed spring
T2SB	Two speed stud bolt
T2W	(2) Washer
T23B	Bearing spacer
T2LUV	Two step pulley
T2516N	Nut

T30	Idler/clutch roller
T23S	1 X 5 Cap screw
T23V	3 Groove pulley
T137	(2) Ball bearings
T214N	Two speed 1" nut & bolt
T218C	1/8" Cotter key
R223C	Two speed belt release cage
T223	(2) Two speed 23" belts
T230	Two speed idler
T239L	Two speed idler arm lower
T239U	Two speed idler arm upper
T249	Two speed 49" belt
TR139S	(2) Spring
T2K	Nut

WHEN ORDERING PARTS STATE MODEL & SERIAL NO. OF MOWER

SERVICE PARTS — Numbers and Price List

PART NO.	PART	List Price
	BLADE ASSEMBLY	
BA50	Blade Belt	$4.00
B98	Blade bearing (upper or lower)	3.00
B99	Bearing housing (left or right	4.50
B100	Blade shaft (left or right)	2.50
B102	Blade height spacer, short	.50
B103	Blade height spacer, long	.75
B104	Blade pulley (left or right)	3.00
B105	Engine pulley (drives blades)	3.00
B108	Blade nut (left or right)	.35
B32	Blades pair	5.00
TE32	Pulley (both halves)	2.50
TS32C	Starter cup	2.50
	CHASSIS AND IDLER ASSEMBLY	
T30	Idler (clutch roller)	$3.00
T31B	Bolt (clutch roller)	.10
TR125	Idler control assm.	1.20
S119	Idler control knob	.75
T139B	Shoulder bolt (idler arm)	.25
TR139	Idler arm	.90
T139A	Idler control rod	.75
T139C	Control rod swivel block	.35
F157	Wheel (complete)	7.50
F157B	Rear wheel bearing	1.00
F157S	Rear wheel spacer	.15
FR159	Seat	4.50
FR160	Seat pad	4.50
FR161	Floor mats (set)	2.00
FR153	Seat spring	2.50
FR154	Hood	8.00
FR155	Complete frame assm.	54.00
FR156	Axle shaft	1.00
B19	Knob	.75
B30A	Idler control assm.	1.50
[illegible]21	Shoulder bolt	.25
	Control rod swivel block	.35
	Idler control rod	1.25
	Nut	.10
	[illegible]ler roller	3.00
	[illegible]dler roller)	.10
	[illegible] assm.	1.20

PART NO.	PART	List Pric
	GEAR BOX ASSEMBLY	
T135	Worm shaft (vertical)	$1.2
TR136	Gear case	5.5
T136G	Gasket	.1
T136L	Gear case lid	1.2
TR136B	Bolts with nuts	
T137	Ball bearing (upper or lower)	2.5
T138P	Gear pin	
TR138	Gear shaft	1.5
TR138S	Seal	
T139	Bearing (roller)	1.5
T139S	Retainer ring	
TR139S	Spring	
T140L	Wheel bracket (left)	1.5
T141R	Wheel bracket (right)	1.5
T144	Idler (chain)	1.
T151	Bearing (thrust)	2.
T152	Gear	4.
T153	Worm	4.
	FRONT DRIVE ASSEMBLY	
SR119	Steering knob	
S120	Steering wheel	5
S121	Steering shaft & sprocket	1
S123	Steering chain	2
T33	Drive pulley	2
T36	Drive belt	2
TR124	Complete gear box assembly	40
T142	Sprocket	1
TR145	Drive chain	4
TR146	Drive tire	12
TR158	Wheel	8
TR149	Axle	
TR150	Bearing (wheel)	2
TR148	Drive Sprocket & hub assembly	5