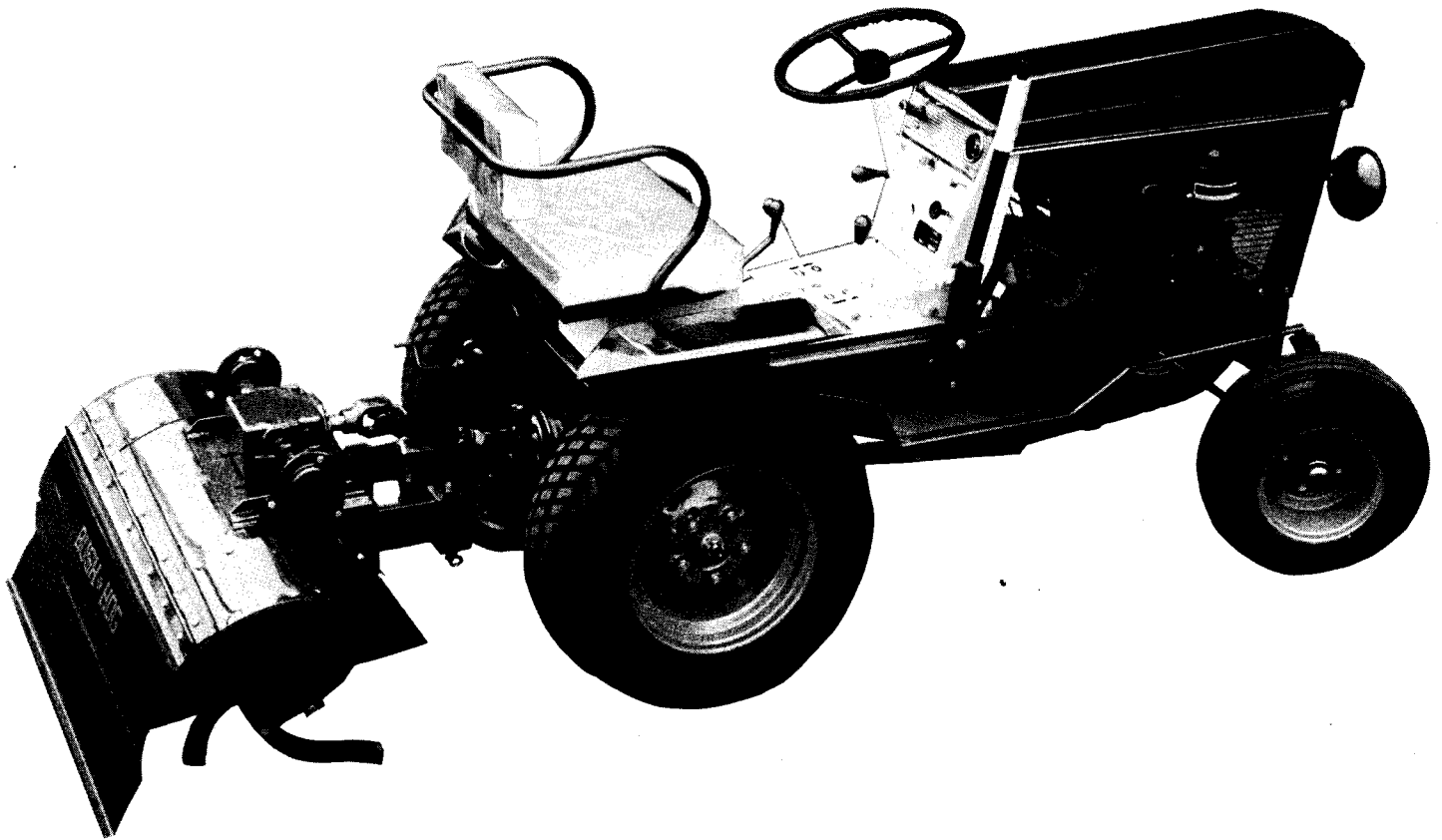


BUSH HOG GARDEN TRACTOR ROTARY TILLER

MODEL ST-32



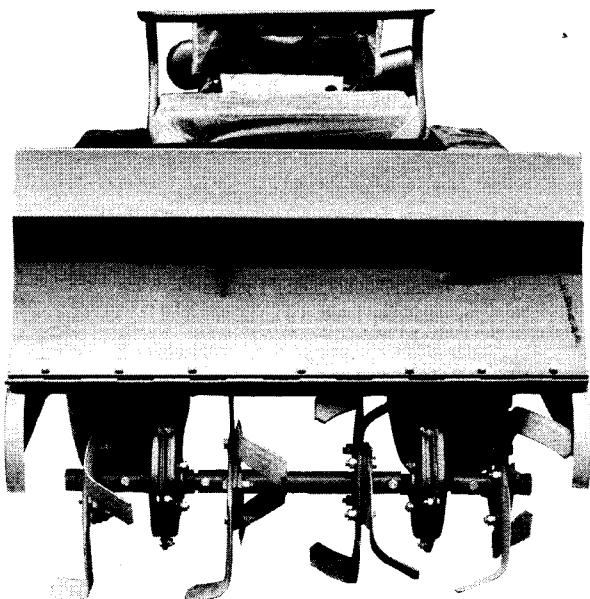
FOR USE ON TRACTORS ABOVE SERIAL NO. 7400

BUSH HOG ROTARY TILLER

For preparing seed beds and cultivating
PTO driven with rugged 14 hp bevel gear
transmission and twin chain drive

Adjustable tillage width 16 to 32 inches

Weight 143 pounds

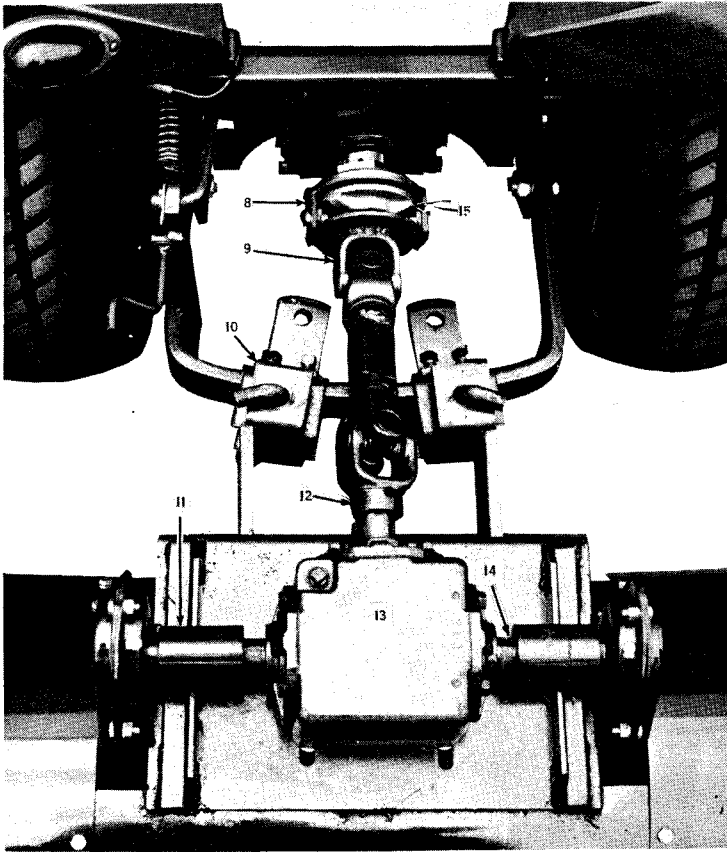


BUSH  **HOG**

P. O. Box 1039

Selma, Alabama

OPERATOR'S INSTRUCTIONS FOR ST-32



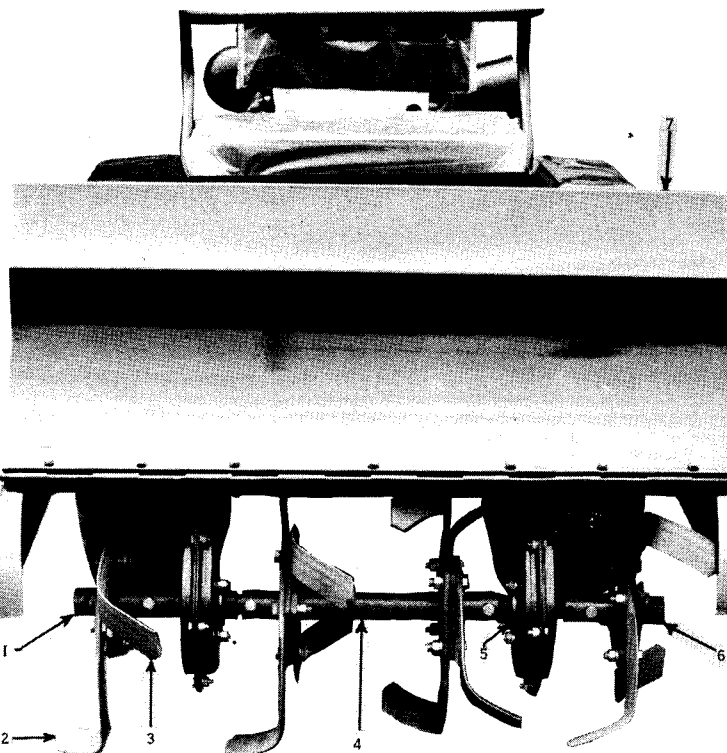
I TO CONNECT THE ROTARY TILLER TO THE DRAW BAR, FIRST LOOSEN THE SETSCREWS IN THE DRAW BAR HITCHES AND CENTER THE TILLER ON THE DRAW BAR. PIN THE TILLER TO THE HITCHES AND AT THE SAME TIME CONNECT THE SLIP CLUTCH TO THE PTO SHAFT. AFTER MAKING SURE THE UNIVERSAL JOINT IS LINED UP STRAIGHT, TIGHTEN THE SETSCREWS IN THE HITCHES.

II THE MOST EFFECTIVE METHOD OF ADJUSTING THE S2413 SLIP CLUTCH FOR DIFFERENT OPERATING CONDITIONS IS TO FIRST LOOSEN THE SLIP CLUTCH UNTIL IT SLIPS. INSERT A STEEL ROD APPROXIMATELY THREE FEET LONG THROUGH THE REAR YOKE OF THE UNIVERSAL JOINT AND DOWN BETWEEN THE TWO CLEVIS BRACES. WITH THE TRACTOR IN NEUTRAL RUN THE ENGINE UP TO FULL RPM SPEED. RELEASE THE CLUTCH SLOWLY UNTIL THE ROD IS WEDGED FIRMLY, THEN RELEASE THE CLUTCH COMPLETELY. IF SLIPPAGE OCCURS TIGHTEN THE SLIP CLUTCH SLIGHTLY. REPEAT THIS PROCEDURE UNTIL THE CLUTCH JUST ABOUT STALLS THE TRACTOR BEFORE SLIPPING. FOR PROTECTION OF THE CLUTCH, NEVER LET IT SLIP FOR MORE THAN FIVE SECONDS AT A TIME.

IF THIS CLUTCH IS SUBJECTED TO WEATHER FOR ANY EXTENDED PERIOD IT SHOULD BE LOOSENED, SLIPPED, AND READJUSTED TO INSURE PROPER PROTECTION FOR THE TRACTOR.

III BEFORE USE THE S2412 GEAR BOX SHOULD BE FILLED WITH MOBIL EP90 GEAR GREASE OR EQUIVALENT. THIS SHOULD BE CHECKED EVERY 25 HOURS FOR THE FIRST 100 HOURS OF OPERATION. THEN IT SHOULD BE CHECKED EVERY 100 HOURS FOR CORRECT LEVEL OF GREASE.

IV THE CHAIN THAT DRIVES THE TILLER SHOULD BE OILED WITH SAE 30 OIL BEFORE USE AND AFTER EVERY 25 HOURS OF OPERATION TO INSURE LIFE OF CHAIN. IF THE TRACTOR IS USED IN EXCESS OF 10 HOURS AT ONE TIME THE CHAINS SHOULD BE OILED AFTER EACH 10 HRS. OF OPERATION.



V IF TILLER HAS A TENDENCY TO PUSH TRACTOR AT LOW SPEEDS, LOWER DEPTH STAKE LOCATED ON FRONT OF TILLER.

VI A PERIODIC INSPECTION OF THE CHAIN TENSION IS RECOMMENDED. TO TIGHTEN THE CHAINS, FIRST LOOSEN THE BOTTOM BOLTS ON THE GEAR BOX. SLIDE THE GEAR BOX FORWARD UNTIL THE CHAINS ARE TIGHT AND THEN TIGHTEN THE BOLTS.

VII IN THE EVENT REMOVAL OF TINE BRACKETS IS NECESSARY, CARE MUST BE TAKEN TO NOTE ORIGINAL POSITIONS. THE BRACKETS ARE POSITIONED SO THAT ONLY ONE TINE CONTACTS THE SOIL AT A TIME ALTERNATING LEFT TO RIGHT AROUND THE ROTOR.

PARTS LIST FOR ST-32

1	OUTSIDE TINE BRACKET ASSY - LEFT	S2391
2	L.H. TINE	S2414-1
3	R.H. TINE	S2414-2
4	TINE BRACKET ASSY - CENTER	S2392
5	SPROCKET - 32 TOOTH	S2415
	BEARING	649
	BEARING FLANGE	648
	FELT WASHER	S2410
6	OUTSIDE TINE BRACKET ASSY - RIGHT	S2396
7	BACK PLATE ASSY.	S2395
8	CLUTCH PLATE WELD ASSY.	S2406
9	JOINT FRONT ASSY	S2404
10	HITCH ASSY	S1774
11	DRIVE SPROCKET - 10 TOOTH	S2337
12	UNIVERSAL JOINT	S2420
13	MODEL 212 MA GEAR BOX	S2412
14	KEY	S604
15	SLIP CLUTCH	S2413
	CLUTCH LINING	S2417
	CLUTCH DRIVE PLATE	S2418
	<i>Tension Roller</i>	<i>S2684</i>
	CLUTCH DRIVE HUB	S2419
	RC 40 ROLLER CHAIN	650
	RC 40 ROLLER CHAIN LINK	S858
	DEPTH STAKE	S2339
	TINE DRIVE SHAFT 1" X 24"	S2356