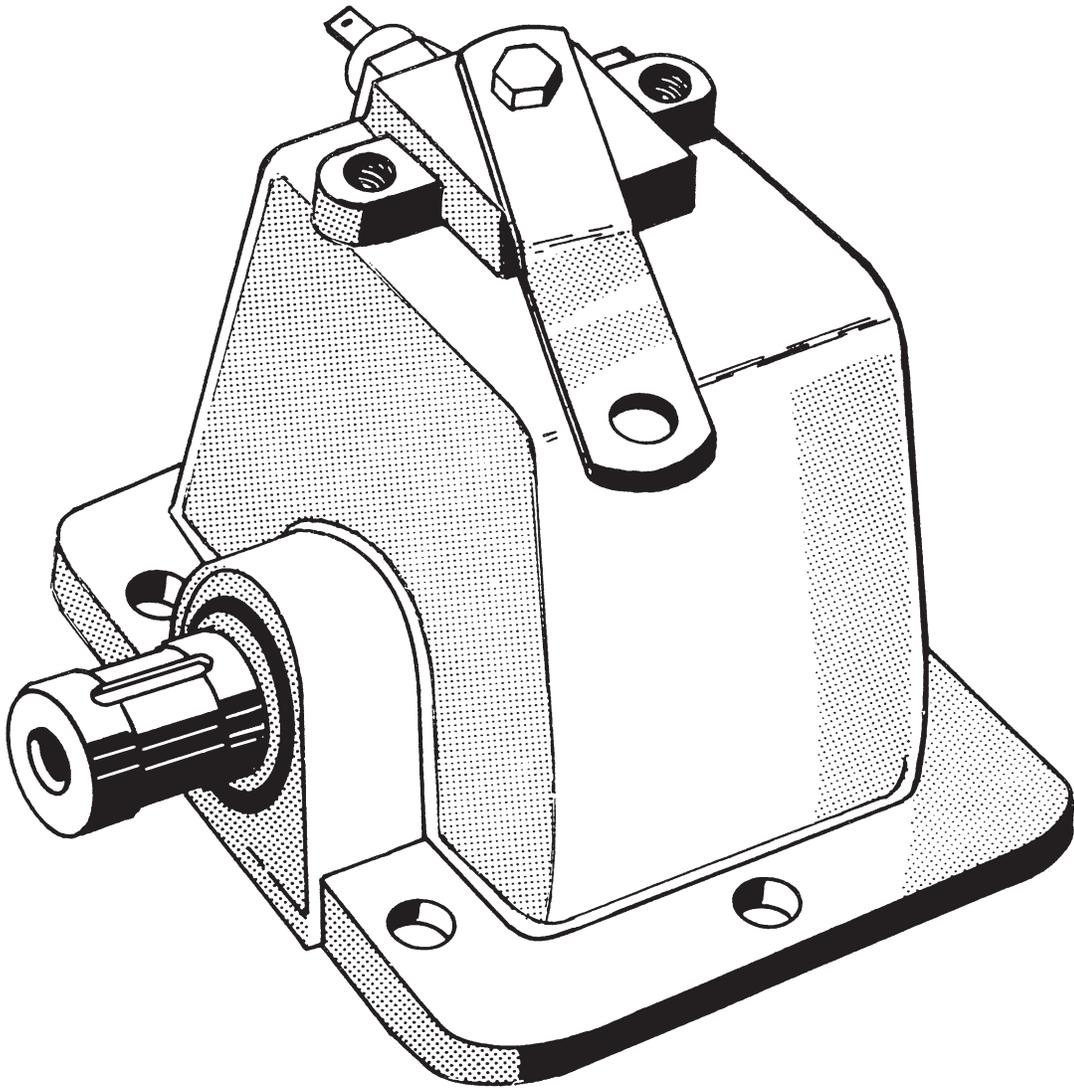




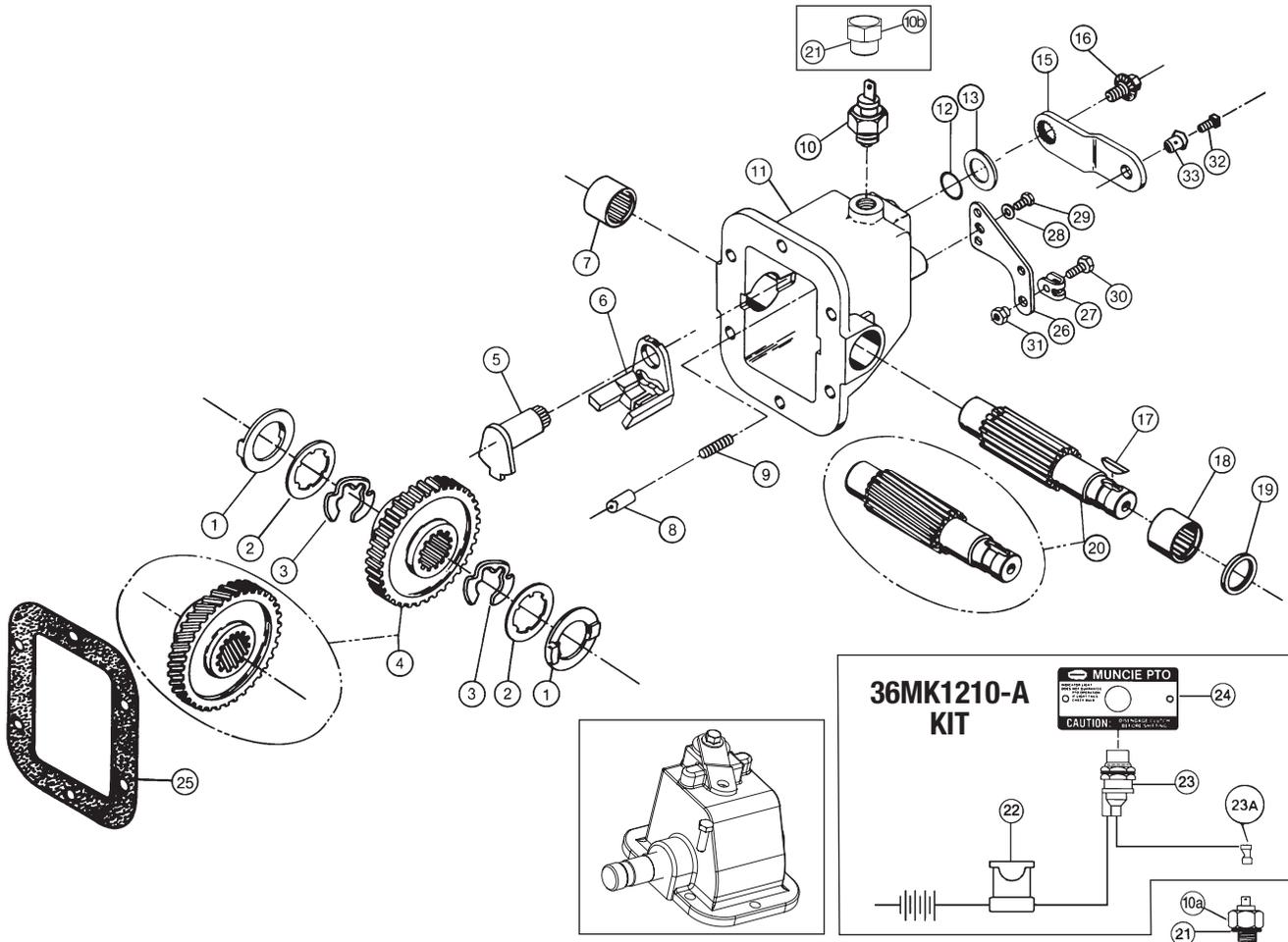
SG SERIES PTO

PARTS LIST AND SERVICE MANUAL



SG SERIES PTO

EXPLODED VIEW



MODEL NUMBER CONSTRUCTION

SG 6S — U68 10 — C 1 A X

PTO Type

Single Speed Single Gear — SG

Mounting

SAE 6 Bolt Std. Mtg. — 6S

Trans. SG Gear Data

Clark	7P 25° PA 30°46'48" LH	-C70
Clark	7.6168P 18°29'22" 23°12'57" LH	-C76
Fuller	6.1P 20.5° PA 29° LH	-F61
G.M.C.	7P 20° 20° LH	-G70
New Process	8.1160P 20° 33°30' LH	-N81
Universal	5 or 5/7 P 20° Spur	-U57
Universal	6 or 6/8 P 20° Spur	-U68
Warner	8.0829P 20° 30° LH	-W80

Special Feature

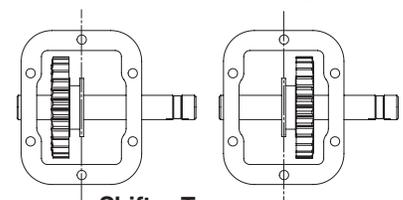
X — None

Shaft

A — 7/8 RD x 2-1/4 Long
 H — 7/8 RD x 5-3/4 Long
 (Avail. on G73 Unit Only)
 J — 7/8 RD x 3-1/2 Long
 I — 1" RD (GB10 Only)

Assy. Arrangement

1 2



Shifter Type

C — Cable

Speed Ratio

10 — 1:1

PARTS LIST AND DESCRIPTION

ITEM	QTY	PART NUMBER	DESCRIPTION	ITEM	QTY	PART NUMBER	DESCRIPTION
1*	2	21T34263	Washer - Cable Control	◀21*	1	12T36526	O-Ring (Incl. w/Indicator Switch or Boss Plug)
	2	21T24178	Washer - Lever Control				
2*	2	21T24420	Washer	22	1	33T36299	In-Line Fuse Assembly
3*	2	24T93991	Clip Ring	23	1	32M12001	Indicator Lite - 12 Volt
4	(See Gear Listing Below)			23A	1	34T38163	Booted Connector
5	1	28T34261	Trigger	24	1	36M16818	Face Plate for Lite
6	1	28T34260	Yoke	◀25*	2	13M35091	Gasket (.010)
7*	1	10T24174	Bearing		2	13M35092	Gasket (.020)
8*	1	28T34252	Poppet			47M13802	Cable Mounting Kit (Includes Items 26 thru 33)
9*	1	27T34253	Spring	26	1	28MZ5017	Flat Bracket
10a	1	30T38111	PTO Indicator Switch(Cable shift)	27	1	28MZ5019	Swivel Bracket
10b	1	25T32143	O-Ring Boss Plug (Replaces PTO indicator switch on model SG6S-U6810-X*IX only.)	28	1	21M10000	Lock Washer
				29	1	19M10001	Capscrew
11	1	01T34256	Housing - Cable Control	30	1	19M10000	Capscrew
11	1	01T36049	Housing - SG6S - U6810-X*IX	31	1	28MZ5018	Shoulder Nut
◀12*	1	12T36871	O-Ring	32	1	28M15020	SQ. HD. Set Screw
◀13*	1	28T35061	Retainer Washer	33	1	22MZ8019	Pivot Pin
15	1	17T34254	Lever			20MK6600	Stud Kit (Includes Item 34)
16	1	19T34259	Capscrew	34	6	19M10002	Hex Capscrew
17	1	26T01610	Woodruff Key	35	1	44T35868	Protected Vent (Used in model SG6S-U6810-X*IX only.)
		26T01617	Woodruff Key (1" Dia. GB10 Only)	N.S.	1	28MC0120	Cable Assembly 10" Long
18*	1	10T24175	Bearing	N.S.	1	28MK0155	Knob
◀19*	1	11T37003	Seal				
20	(See Shaft Listing Below)						

N.S. Not Shown * Items Included in SG-RBK Overhaul Kit (Cable) √ Items Included in SG-GSK Gasket & Seal Kit (Cable)

GEAR & SHAFT PART NUMBERS

PTO MODEL	ITEM 4 – GEARS	NO. TEETH	ITEM 20 – WOODRUFF KEYED SHAFTS	EQUIVALENT OBSOLETE SHAFTS
SG6*-C7010-**AX	02T32884	22	06T96472	06T32872
SG6*-C7610-**AX	02T24193	26	06T96464	06T24429
SG6*-F6110-**AX	02T35034	19	06T96472	None
SG6*-G7010-**AX	02T24190	25	06T96467	06T24423
SG6*-N7010-**AX	02T30823	23	06T96471	06T30825
SG6*-N8110-**AX	02T28002	26	06T96480	06T28283
SG6*-U5710-**AX	02T24187	19	06T96466	06T24421
SG6*-U6810-**AX	02T39166	23	06T96466	06T24421
SG6*-U6810-**JX	02T39166	23	06T96482(2)	None
SG6*-U6810-X*IX (Constant Mesh) (GB10 only)	02T39166	23	06T35459(3)	06T34866
				06T96485
SG6*-W8010-**AX	02T34262	27	06T96474	06T34264

**Woodruff Key Shafts directly replace Hex Key Shafts but when substituting will require (2) 24T93991 Clip Rings and (1) 26T01610 Woodruff Key.

(1) "H" or "Extra Long" Shaft (2) "J" or "Long" Shaft (3) 1" Dia. Shaft (Use 26T01617 Woodruff Key)

Disassembly Instructions

(Always Wear Safety Goggles)

1. Remove both clip rings from output shaft.
2. Using a press, apply force to the output shaft to drive the shaft and closed end needle bearing out of the housing.

Use caution while removing shaft to avoid seal damage.

Assembly Instructions

Reverse the procedure of disassembly.

Conversion Instructions (1 to 2 Assembly Arrangement)

Follow disassembly instructions. After shaft has been removed, rotate intermediate gear 180°. Before re-assembling gear and shaft, remove shift lever bolt, remove lever and allow shift trigger post to drop enough to move poppet and spring to opposite hole. Push shift trigger back into place, attach lever with bolt and complete re-assembly of Power Take-Off.

Gear Pitch

Follow the disassembly instructions. Remove the shaft and intermediate gear from the unit and replace with the appropriate shaft and gear.

Service Tips

To assure that your Power Take-Off is "as good as new," always –

Replace all gaskets.

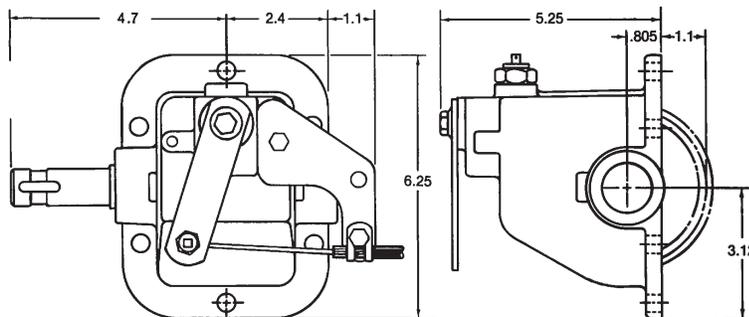
Inspect Seals.

Inspect Bearings; closed end needle bearing should be replaced with new bearing.

Rotate the unit through by hand after re-assembly.

If there is any doubt about seal leaks, test the Power Take-Off with a non-flammable solvent before mounting it to the transmission.

PTO CASE DIMENSIONS



Cable Shift



**Muncie®
Power
Products**

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