

Fig. PN28—Exploded view of recoil starter and ignition assembly used on models 201, 202, 203, 221, 222, 223, 245, 245A, 252A, 306, 306A 306SA and 744.

1. Fan housing
2. Flywheel
3. Starter dog
4. Spring
5. Plate
6. Rope pulley
7. Bearing
8. Spring plate
9. Rewind spring
10. Spring plate
11. Starter housing
12. Breaker points
13. Coil and armature
14. Condenser
15. Side cover
16. "O" ring
17. Seal

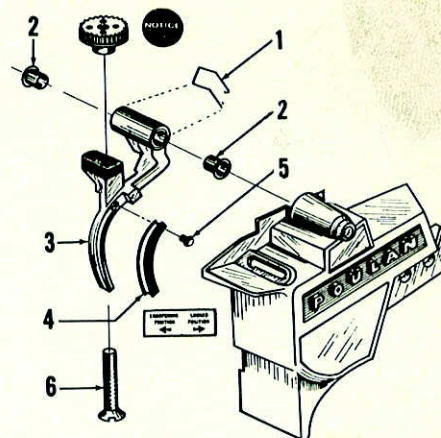


Fig. PN29—Exploded view of chain sharpener offered on some models.

1. Spring
2. Nylon bearing
3. Arm
4. Sharpening stone
5. Lock screw
6. Adjusting screw

on rope pulley in clockwise direction when viewed installed in starter housing. Starter rope should be wound in counterclockwise direction on models shown in Fig. PN28. Turn rope pulley sufficient turns to place tension on rewind spring before passing rope through outlet so that rope will rewind into housing.

# POULAN

BEAIRD-POULAN, INC.  
5320 Greenwood Road  
P.O. Box 9329  
Shreveport, Louisiana 71109

Model	Bore Inches	Stroke Inches	Displ. Cu. In.	Drive Type
31, 41, 43	2 1/16	1 1/4	4.18	Direct
42, 44	2 1/16	1 1/4	4.18	Chain
47, S-31, S-33	2 1/16	1 3/8	4.6	Direct
45, 51, 53, 53A, 61, 63, 65, 67	2 1/16	1 1/2	5.01	Direct
46, 54, 62, 64, 66†, 68, 86	2 1/16	1 1/2	5.01	Chain
S-66, S-68	2 1/16	1 1/2	5.01	Gear
81, 83, 85	2 1/16	1 5/8	5.43	Direct
82, 84, 86	2 1/16	1 5/8	5.43	Gear
71, 71A, S-33	2 3/16	1 1/2	5.64	Direct
72	2 3/16	1 1/2	5.64	Gear
91	2 3/16	1 5/8	6.1	Direct
92	2 3/16	1 5/8	6.1	Gear

†Model 66 utilized gear drive as model S-66 in 1966.

## MAINTENANCE

**SPARK PLUG.** Recommended spark plug for models 53, S-68, 71, 72 and 91 is Poulan spark plug number 3016. Model S-33 should use Poulan

spark plug number 3011; model 92 should use spark plug number 3015. All other models should use Poulan spark plug number 3012.

Recommended spark plug electrode gap is 0.025.

**CARBURETOR.** All models are equipped with a Tillotson diaphragm carburetor. Refer to Tillotson carburetor section of SERVICE FUNDAMENTALS section for exploded view and servicing.