

# SERVICE BULLETIN NO. 102

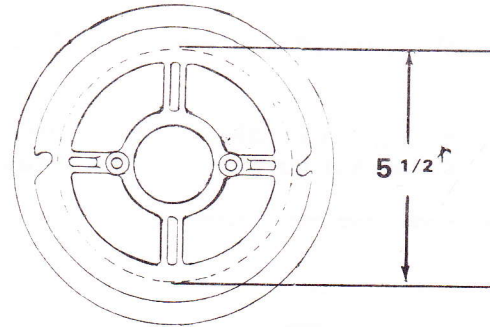
Section VIII, Division A  
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SUBJECT: NEW LARGE STARTER PULLEY FOR EASIER STARTING

Larger Starter Pulleys are now available for ease of starting on Cast Iron Engines 3-1/2 H. P. through 10.3 H. P.

Part No.	Application
219-172	494, 498
219-171	412, 413
219-170	414, 418, 420, 422



Aluminum Rope Starter Pulley

### INSTALLATION INSTRUCTIONS

1. Remove original flywheel from engines requiring special flywheel
2. When special flywheel is required, install on crankshaft.
3. Assemble flywheel nut & lock washer to crankshaft, except 494 and 498 which requires housing installation first, and torque nut to required torque. (494, 498, 412, 413 - 400 to 450 inch pounds) (414, 418, 420, 422 - 100 to 120 foot pounds)
4. Assemble blower housing to engine.
5. Assemble appropriate pulley and rotating screen to flywheel using steel roll pin or screws as required.

Part No. 219-172 - 494 - 498 Engines		
Additional Parts Required		
(1)	83-112-500	Flywheel
(1)	304-622	Lock Washer
(1)	203-21	Roll Pin
(1)	183-32	Nut

Part No. 219-171 - 412 - 413 Engine		
Additional Parts Required		
(1)	257-51	Screen
(2)	258-259-500	Screws

Part No. 219-170 - 414 - 418 Engines		
Additional Parts Required		
(1)	83-31-500	Flywheel
(2)	258-259-500	Screws & L'W
(1)	304-653	Washer

Part No. 219-170 - 420 - 422 Engines		
Additional Parts Required		
(1)	83-37-500	Flywheel
(2)	258-751	Screws
(2)	304-29	Washer
(1)	304-653	Washer