

ARC Model 3000

Low Oil Pressure Shutdown with Controlled Startup Override

ARC's new system allows starting the engine by momentarily bypassing the oil pressure shutdown feature. When the engine starts, it monitors the oil pressure rise. It waits and if the oil pressure switch minimum requirement is not reached it will turn the engine off. If the pressure is correct the engine continues to run through the oil pressure switch, overriding the ignition "on" power, enabling it to shut the engine off with the ignition switch still on. The ignition switch still retains the ability to also turn the engine off. With this system the oil pressure switch never carries more than a tenth of an Amp, to assure it doesn't fail from excessive current load, while still maintaining a forty amp ignition circuit capacity.

An oil pressure override switch is provided to bypass and/or test your oil pressure switch.

By automatically monitoring the startup oil pressure rise, it makes it unnecessary to crank the motor excessively, which drains the battery, overheats the starter and tends to flood the motor, washing the rings.

Turn Over



From 2 terminal normally open (not grounding) oil pressure switch in the range you select as your minimum acceptable oil pressure

Indicates the control is keeping the engine running, waiting for the oil pressure switch to close. If required pressure is not met, engine shuts off

Indicates the oil pressure switch has reached its minimum pressure and closed. If pressure drops below the oil pressure switch setting this light will go out and engine will shut off

Connect to starter switch wire

If not using the low oil pressure shutdown feature or testing the oil pressure switch operation put this switch in Bypass position

Ground this terminal

Out to Ignition Operation

Power from Ignition Switch



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