



Anticipatory Alarm Kit PA-255490 100/125/150 ROZ Fast-Response II

The Anticipatory Alarm Kit provides the switches which allow monitoring of three functions: low water temperature, anticipatory high water temperature, and anticipatory low oil pressure. This kit is used in conjunction with either the Decision Maker II or the Remote Annunciator option. The low water temperature indicator activates if optional engine block heater is not working and/or water temperature may be too low (below 60°F, 16°C) for ten-second start-up. The anticipatory high water temperature indicator activates if engine coolant approaches shutdown level. The anticipatory low oil pressure indicator activates if engine oil pressure approaches shutdown level. This kit requires the relocation of the low oil pressure sender.

WARNING

UNIT STARTS WITHOUT NOTICE! Units with Automatic Transfer Switches start automatically. Potential injury or electrocution can result. Turn Generator Master Switch on controller to OFF position, and remove battery cables (remove negative lead first and reconnect it last) to disable generator set before working on any equipment connected to generator.

WARNING

HOT COOLANT! Allow engine to cool and release pressure from cooling system before checking the coolant level. To release pressure, cover the radiator cap or surge tank cap in a thick cloth, then turn it slowly counterclockwise to the first stop. After the pressure has been completely released and the engine has cooled, begin installation.

MOUNTING AND CONNECTION

1. Place controller master switch to OFF position. Disconnect battery of generator set, negative lead first.
2. With generator set sufficiently cooled, drain the coolant into a suitable container.

NOTE

Petcock valve is located on radiator bottom and/or engine block.

3. Remove pipe plugs for low water temperature and anticipatory high water switches. See Figure 1.
4. Disconnect lead 7C from 240978 low oil pressure sender and remove sender. Clean threads of sender and hole.

5. Coat threads of pipe plug with pipe sealant and install into cross pipe.
6. Coat threads of both ends of pipe nipple with pipe sealant and install into cross pipe. Locate in hole opposite of pipe plug.
7. Install cross pipe assembly into hole where low oil pressure sender was removed. Locate open ends where there will be maximum clearance for sender and switch. See Figure 1.
8. Coat threads of switches and sender with pipe sealant, and install in locations shown in Figure 1.
9. Connect lead 7C of engine wiring harness to push-on terminal of low oil pressure sender.
10. Connect lead 41A of engine wiring harness to push-on terminal of anticipatory low oil pressure switch.
11. Connect lead 40A of engine wiring harness to stud terminal of anticipatory high water temperature switch (switch color - red).
12. Connect lead 35A of engine wiring harness to one screw terminal of low water temperature switch. Connect lead N (ground lead) of engine wiring harness to the other screw terminal of switch.
13. Close petcock valve on bottom of radiator and/or engine block. Fill cooling system to proper level with fresh coolant.
14. Check that the controller master switch is in the OFF position. Reconnect battery, negative lead last.
15. Test run the generator set for a few minutes and check for leaks at switches and sender.

CAUTION

Special attention should be given when checking for proper coolant level. After a radiator has been drained, it normally requires some time before complete refill of all air cavities take place.

PART NO. QTY. DESCRIPTION

PART NO.	QTY.	DESCRIPTION
X-75-1	1	Plug, 1/8" Pipe
X-217-6	1	Nipple, 1/8" x 3/4" Pipe
164037	1	Cross, 1/8" Pipe
240976	1	Antic. High Water Temperature Switch (Color - Red)
271662	1	Antic. Low Oil Pressure Switch
290090	1	Low Water Temperature Switch

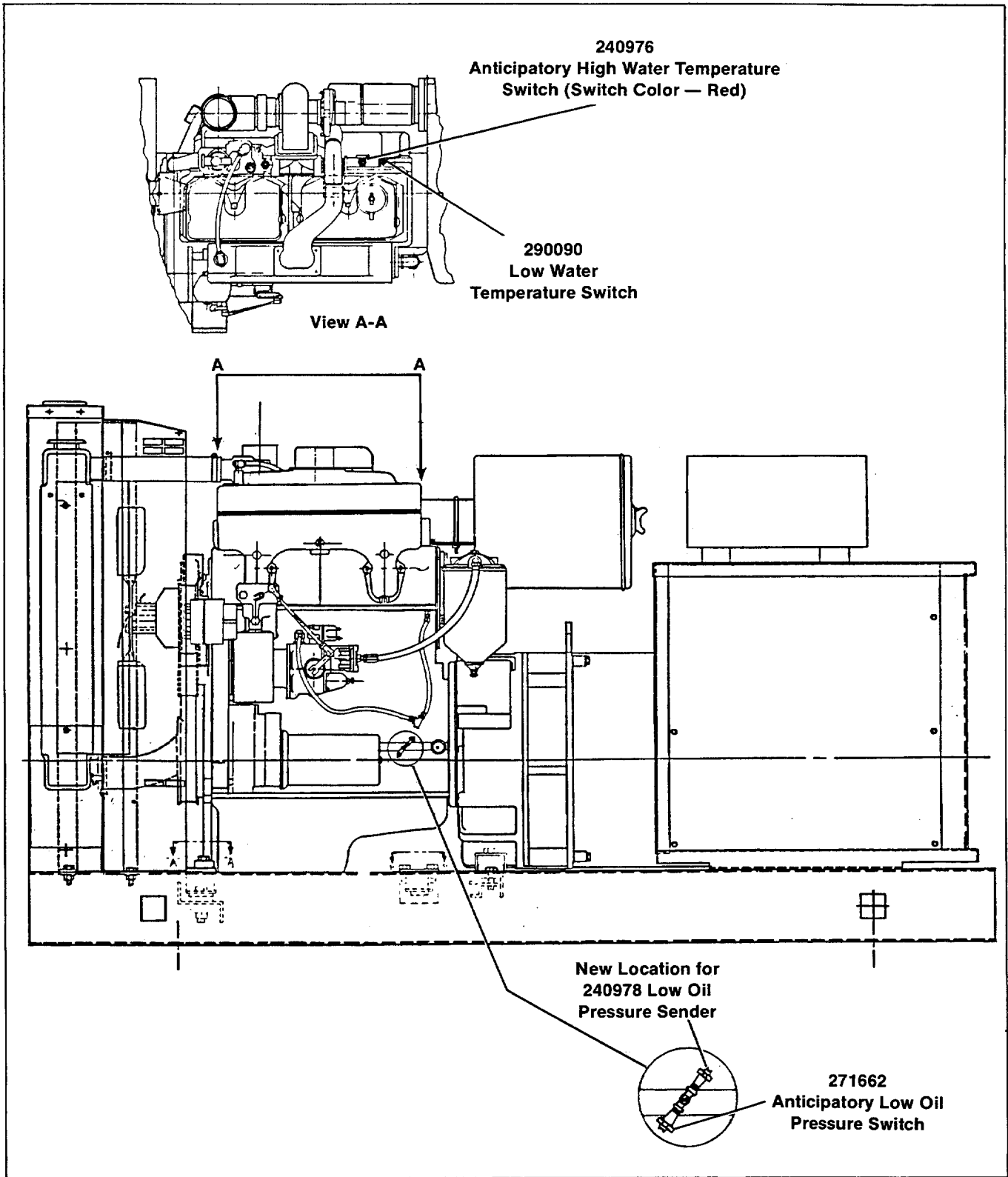


Figure 1. Switch Locations