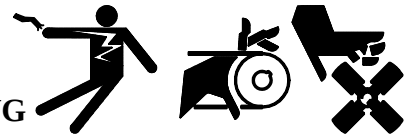
Anticipatory Alarm Kits For Ford Powered (LSG–875 Engine) 50–100kW Generators #PA–255916 & #PA–255415

Anticipatory Alarm Kits	
PA–255916 PA–255415	80–100kW 50, 60, & 70kW

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 Monitor 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). The anticipatory high water temperature indicator activates if engine coolant is within 5° below shutdown temperature. The anticipatory low oil pressure indicator activates if engine oil pressure drops towards shutdown pressure.



⚠ WARNING

Accidental starting can cause death or serious personal injury. Turn Generator Master Switch to OFF position, disconnect power to battery charger, and remove battery cables (remove negative lead first and reconnect it last) to disable generator set before working on any equipment connected to generator. The generator set can be started by automatic transfer switch or remote start/stop switch unless these precautions are followed.

⚠ WARNING

Hot coolant can cause severe burns.
Allow engine to cool and release pressure from cooling system before opening pressure cap. To release pressure, cover the pressure cap with a thick cloth then turn it slowly counterclockwise to the first stop. After pressure has been completely released and the engine has cooled, remove cap. If generator set is equipped with a coolant recovery tank, check coolant level at tank.

Installation

1. Place controller main 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 on engine block.

3. Remove pipe plugs for low water temperature switch, anticipatory high water switch and anticipatory low oil pressure switch. See Figures 1 and 2 for locations.

4. Coat threads of switches with a high temperature pipe joint compound and install in locations shown in Figures 1 and 2.

5. Connect lead 35A of engine wiring harness to one screw terminal of low water temperature switch (255264). Connect ground lead of engine wiring harness from bell housing ground screw to the other screw terminal of switch.

6. Connect lead 40A of engine wiring harness to screw terminal of anticipatory high water temperature switch (241481).

7. Connect lead 41A of engine wiring harness to push–on terminal of anticipatory low oil pressure switch (255913 or 271425). If supplied, attach lead (LN–1808–1613) to the low oil pressure switch and connect to cylinder head screw for ground.

8. Close petcock valve on bottom of radiator and/or engine block. Fill cooling system to proper level with fresh coolant or properly recycled coolant of the correct Water/Glycol mixture.

9. Check that the controller main switch is in the OFF position. Reconnect battery, negative lead last.

10. Test run the generator set for a few minutes and check for leaks at switches.

NOTE

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

Parts Listing

Qty	Description	Common Parts	Kit Numbers PA–255916	PA–255415
1	Anticipatory High Water Temperature Switch	241481		
1	Anticipatory Low Oil Pressure Switch		255913	271425
1	Low Water Temperature Switch	255264		
1	Lead		LN–1808–1613	

PA–255916
80–100kW

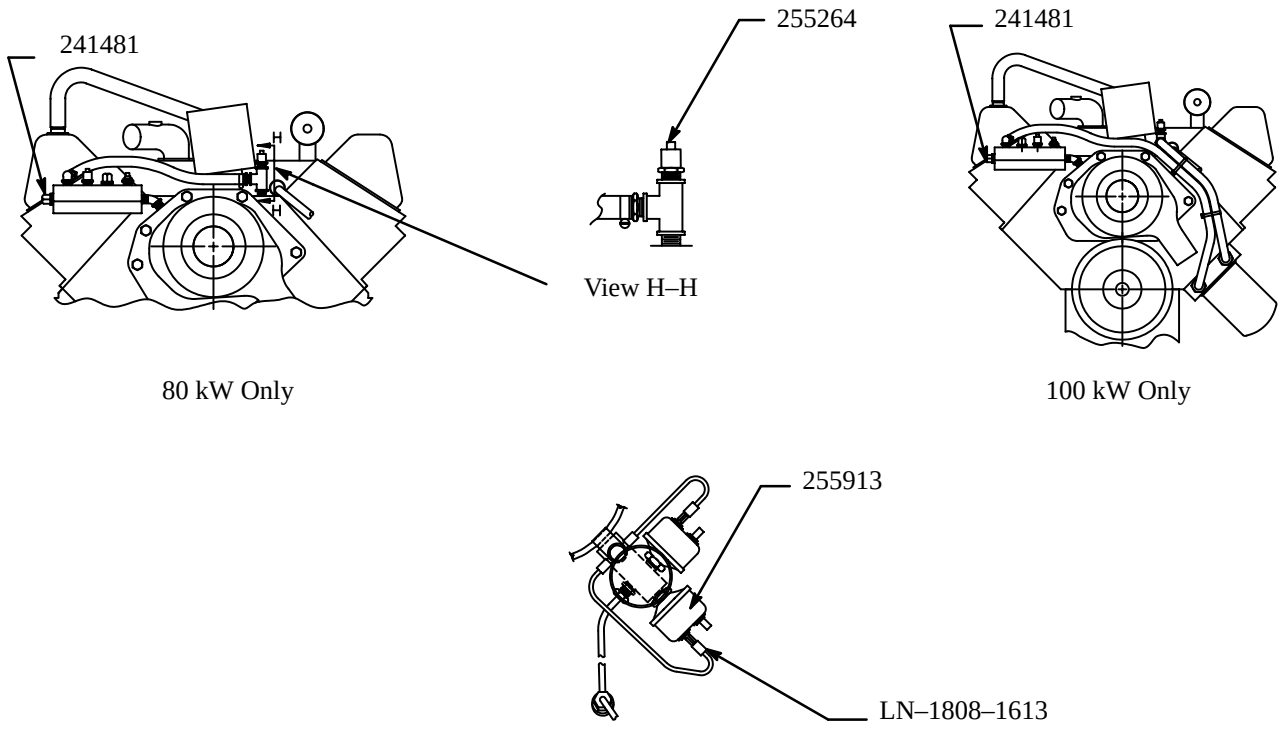


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Figure 1.

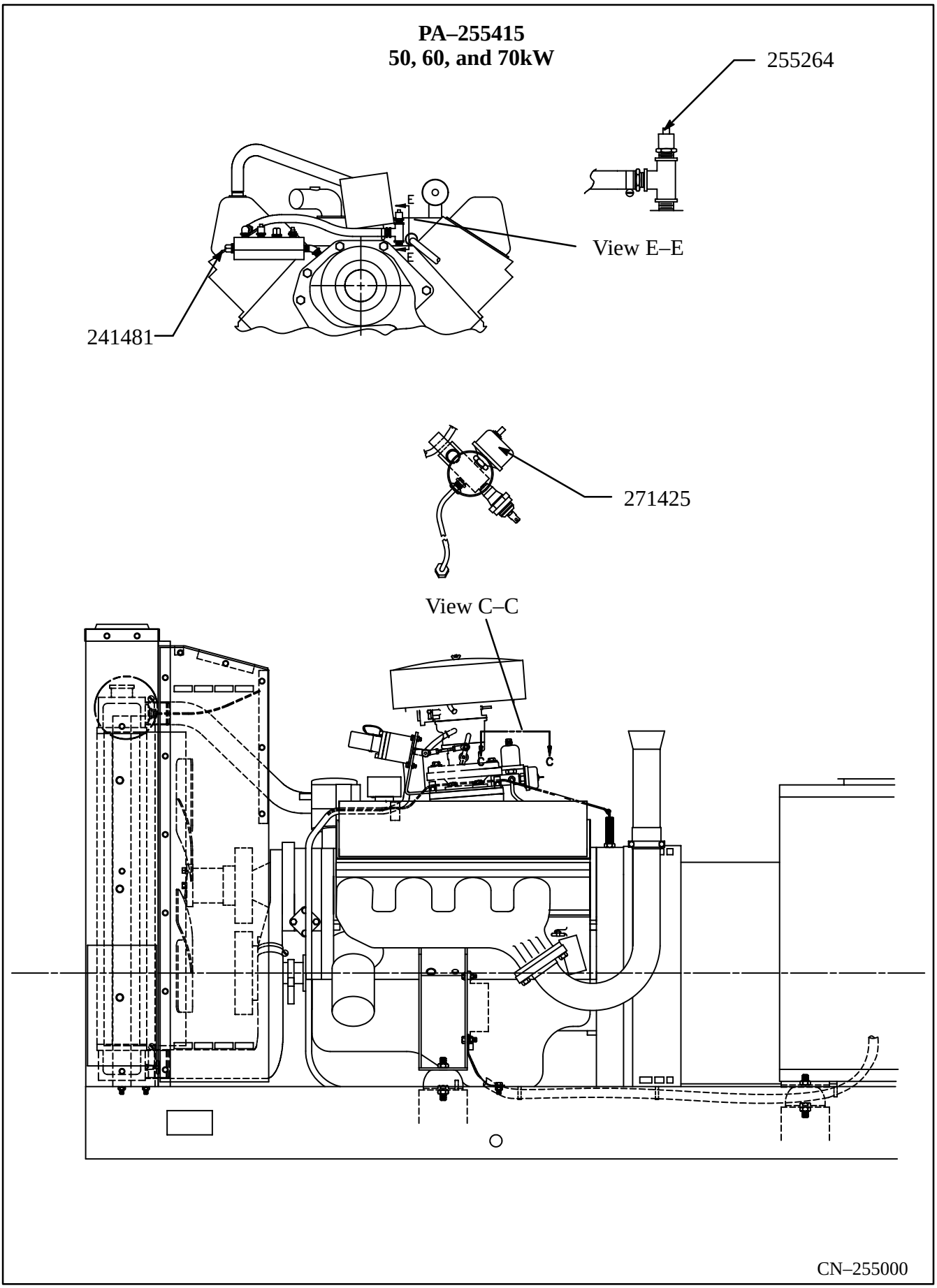
PA–255415
50, 60, and 70kW
255264
View E–E
241481
271425
View C–C
CN–255000

Figure 2.