

CW

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FIELD SERVICE BULLETIN

NO. 3

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SEPARATE HYDRAULIC RELIEF VALVE INSTALLATION

Because of excessive pressure in the hydraulic system, Navion Field Service Bulletin No. 1 directed the temporary removal of the hydraulic power system. This bulletin directs the modification and reinstallation of the hydraulic power system. The modification consists of installing a new 145-58022 pressure relief valve, a modified 145-58019 hydraulic regulator, plugging of the old pressure relief valve located in the hydraulic power and control unit, and the reinstallation of the previously removed hydraulic pump.

Airplanes Affected:

NC-91108 to NC-91118 inclusive.
NC-91120 to NC-91124 inclusive.

The following removed parts will be reinstalled:

145-58020	Hydraulic Pump, Engine-driven
145-58189	Adapter
145-58801-58	Line Assy
75691	Hose Assy
75693	Hose Assy
3325x4	Nipple

Kit Drawing 145-89012 lists the new parts required.
See Figure 1

1. Remove the hydraulic reservoir from the firewall.
2. Remove the connector from the lower boss on the right-hand side of the reservoir, and install the 752-4 tee.
3. Remove the AN913-2 plug from the bottom of the 145-58017 shut-off valve
4. Assemble the new 145-58019 regulator to the shut-off valve, using the 3325x4 nipple.
5. Reinstall the hydraulic reservoir assembly on the firewall, and reconnect the Bowdenite cockpit control to the shut-off valve.
6. Install the new 145-58022 relief valve on the regulator, using the two AN3-25A bolts, 4S3-D10-14 spacers, and AN365-1032 nuts. If the regulator is not spot-faced at the holes for the AN3-25A bolts, it will be necessary to use the shorter 4S3-D10-8 spacers.