

SERVICE BULLETIN

MARINE

No. 228

MARINE DIVISION/INDUSTRIAL PRODUCTS DIVISION

**CHRYSLER
CORPORATION****ATTENTION - SERVICE MANAGER**Date April 22, 1974

TO: ALL MARINE DISTRIBUTORS, DEALERS AND BOAT BUILDERS

Effective April 16, 1974 all raw water cooled LM318 Inboard and V-Drive engines have been revised to incorporate the same type of cooling system as used on the LM340 and M360 Models.

To facilitate production and service, the following new specification numbers have been released for all engines with the new cooling system:

OLD STYLE COOLING

LM318BW R/L 10/29-366
LM318BX R/L X-367
LM318BV R/L 10/25-370
LM318BV R/L 10/25-371
LM318BX R/L X-373
LM318BX R/L X-374
LM318BW R/L 10-380
LM318BW R/L 10/29-424
LM318BW R/L 10/29-440
LM318BW R/L 10/29-647
LM318BV R/L 10/25-668
LM318BW R/L 15-685
LM318BV R/L 10/25-696
LM318BV R/L 10/25-732

NEW COOLING SYSTEM

LM318BW R/L 10/29-734
LM318BX R/L X-735
LM318BV R/L 10/25-736
LM318BV R/L 10/25-737
LM318BX R/L X-738
LM318BX R/L X-739
LM318BW R/L 10-740
LM318BW R/L 10/29-741
LM318BW R/L 10/29-742
LM318BW R/L 10/29-743
LM318BV R/L 10/25-744
LM318BW R/L 15-745
LM318BV R/L 10/25-746
LM318BV R/L 10/25-747

Please note that Super Bee I/O engines are not included in this change but will continue to use their current cooling system.

As shown in the water flow diagram on Page 3 the new cooling system uses a single pocket rubber impeller type pump to supply cooling water to a centrifugal type water pump which circulates the water through the engine and exhaust manifolds.

Major components affected by this change are the water pump chain case cover, thermostat and housing, intake manifold, exhaust manifold water outlet tubes, reverse gear oil cooler (from 1" water connection to 1-1/4") and the engine cooling system hoses.

See Service Bulletins No. 181, 215 and 215A for details of exhaust manifold water outlet tubes.

With the centrifugal water pump replacing the chain case cover water opening cover ("cross-over" cover) the

GROUP1
Cooling**SUBJECT**Cooling System
Change**MODEL AFFECTED**LM 318 Inboard
and V-Drive

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mechanical tachometer take-off located in the center of the cover is now removed.

The new cooling system requires a hull water inlet of minimum 1" I.D. and, as noted on the water circuit diagram, the use of an inlet strainer is recommended. Heavy duty non-collapsible type hose, or wire reinforced hose should be used for the water inlet system and all fittings and hoses of the inlet system should be equal to, or larger than the water pump inlet.

Please advise all affected personnel of the information in this bulletin and retain for future reference.

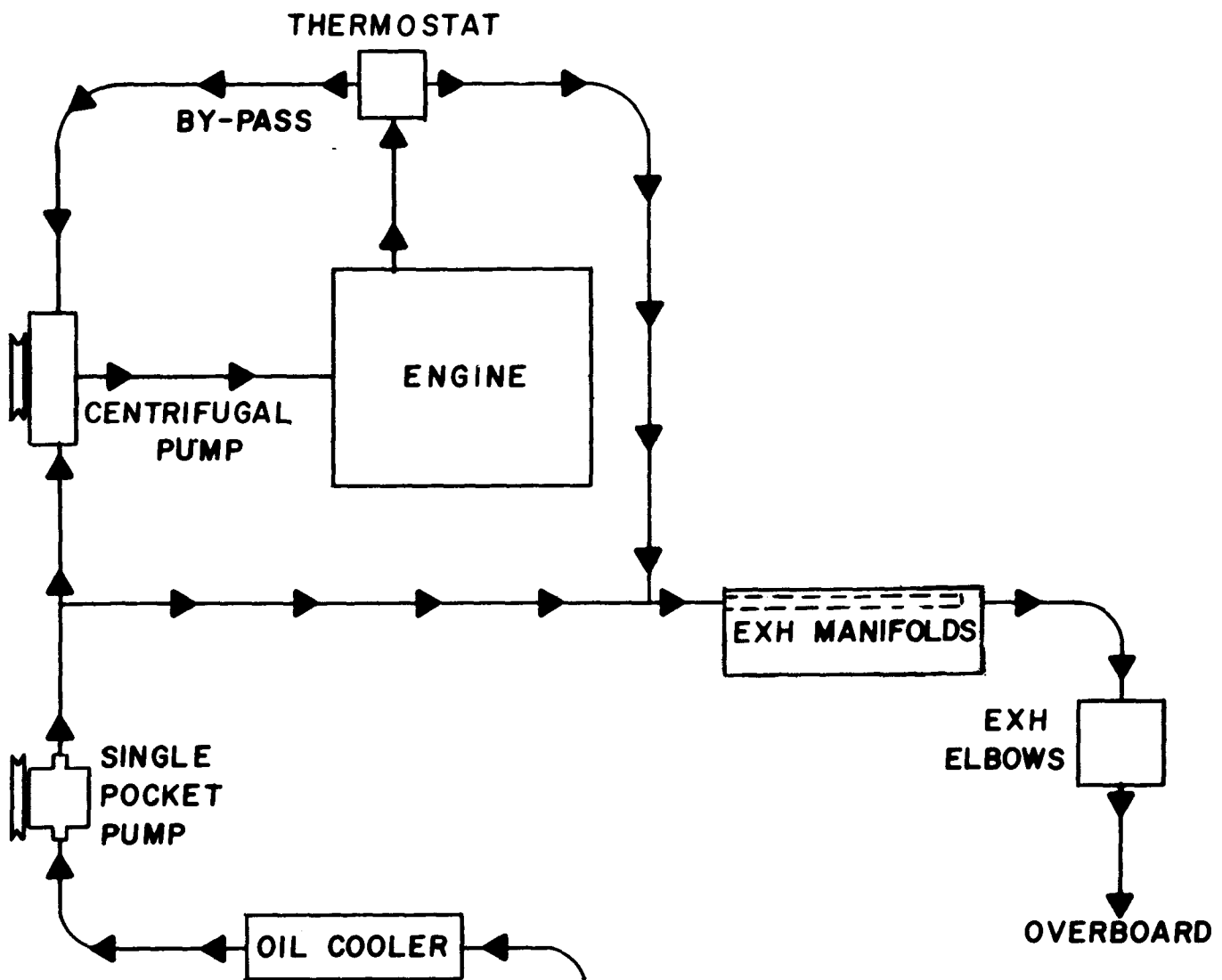


John C. Bartos
National Service Manager

AW:jje

RAW WATER COOLING SYSTEM

LM 318



INLET 1.25 O.D. - NO WATER BY-PASS
TEE REQUIRED
INLET STRAINER RECOMMENDED