



PRODUCT BULLETIN 36049

MWM Exhaust Cooling Circuit Fitting From Engine Block

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Prepared for: MWM Owners and end users

Prepared by: Australian Mining Equipment

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Communication: MWM EXHAUST COOLING CIRCUIT FITTING FROM ENGINE BLOCK

The MWM Engine package designed for use in underground coals mines is registered with the department of planning environment as MDR 114056 DES.

Instances of the cooling circuit have been identified with an incorrect elbow fitting type. Where the incorrect fitting is installed, the cooling system can experience low flow and or low pressure in the exhaust cooling leg.

The exhaust cooling leg of the cooling circuit connects into the engine block via a 3/8" BSPT M/F elbow as depicted below



Figure 1 – 3/8 BSP elbow installed in the drivers side of the engine block

In some cases an alternate drilled square fitting has been installed as per the below **Figure 2**



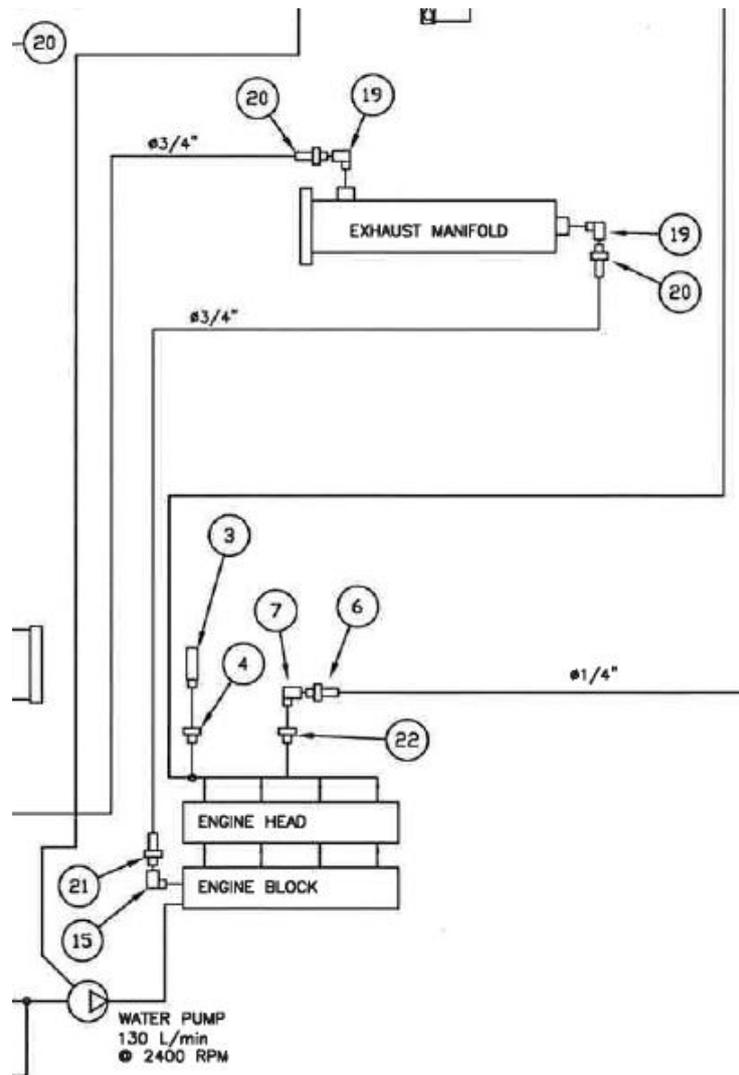
Figure 2 – Alternate square drilled fitting

As the square fitting screws down onto the hose tail, it may restrict the effective diameter resulting in low flow and pressure to the exhaust cooling leg.



Figure 3 – Correct BSPT elbow (top) and Incorrect fitting (bottom)

The location of the fitting in the circuit is indicated as item 15 on the below diagram
Figure 4



Recommended Action:

All machines installed with an MWM Engine system described by MDR 114056 DES should be inspected to determine the type of fitting installed in the driver's side part of the engine block.

Where installed, the alternate square elbow fitting should be removed and replaced with the correct 3/8" BSPT 90 degree elbow.

This part is described as 7-180306-797 and can be purchased via orders@amequip.com.au.

Please distribute this bulletin to all relevant personnel

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