



## Subject: Checking 488 Challenge Intercooler Efficiency

We would like to remind you the importance of maintaining the sealing between the intercooler and its cooling duct.

The sponges (See yellow arrows in figure 1) around the perimeter of the intercooler must always be correctly installed. Any gaps between the shroud (Figure 2) and the intercooler could allow air leakage and compromise the ability to reduce the charge air temperature.

Furthermore, it is important that the intercooler must be in good condition without any damage to the plate fin surfaces. (See Figures 3 and 4.)

These conditions must be met in order to help keep the air temperature below the threshold of triggering recovery by the engine ECU. The engine ECU will significantly reduce the boost pressure if the temperature is over the limit. (see Figure 5 for system overview)

Figure 1

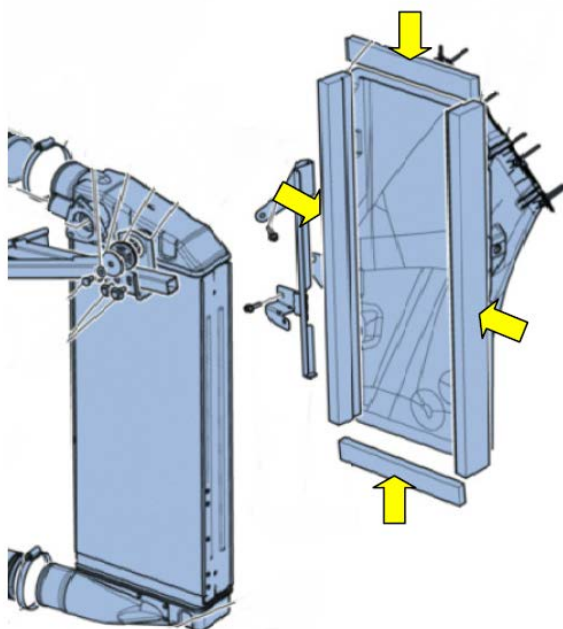


Figure 2





Figure 3



Fig. 4





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Fig. 5

