



Johnson Matthey Catalysts

TECHNICAL ADVISORY

NOVEMBER 15, 2007

CRT® Emissions Control System

The CRT® (Continuously Regenerating Technology) diesel particulate filter is verified by the California Air Resources Board for emergency standby and prime stationary diesel engines. It is verified as a Level 3 device (> 85% particulate matter reduction) for engines with a particulate emission rating of 0.4 g/bhp-hr or less. The CRT diesel particulate filters must be properly installed to achieve the required reduction in particulate matter and to comply with environmental regulations. Failure to properly install the filter may result in an unacceptable particulate matter emission level and possible non-compliance with local environmental regulations. The following procedure must be used when installing the diesel particulate filters after servicing.

1. Slip the graphite gasket over the filter module body. The gasket must be placed against the stainless steel ring on the surface facing the long side of the filter body.

Note: An aerosol adhesive, such as 3M Super 77 spray adhesive or equivalent, may be used to hold the gasket in position. Lightly spray the stainless steel ring with the spray adhesive and then place the gasket against the ring. The gasket should be centered on the steel ring with the outer edge of the gasket aligned with the outer edge of the steel ring.

2. Slide the filter module into a sleeve in the bulk head plate on the outlet end the CRT until the gasket contacts the mating flange on the sleeve.
3. Position a V-band clamp over the filter module flange, gasket, and sleeve flange.
4. Tighten the lock nut on the V-band clamp to 12 ft-lbs torque.

Contact Johnson Matthey for technical support and replacement parts.

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