



SERVICE BULLETIN No.1175

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COACH BUS MODEL	: T2100 and C2000 Series
BULLETIN TYPE	: Service Information
MANUAL & SECTION	: Maintenance Manual: Chapter 12 – Maintenance schedule and appendices
DATE	: March 31, 2006
SUBJECT	: New service requirements for Detroit Diesel Series 60 engines featuring exhaust gas re-circulation (EGR)
TERMS & CONDITIONS	: No claims will be accepted with reference to this Bulletin.

APPLICATION:

The service information subject of this Bulletin is applicable to Van Hool units equipped with Detroit Diesel 60 Series, model 6067MK2E, and model 6067MV2E engines (see Figure 1, overleaf).

Coach	Engine	Model	EGR operation	VIN
T2140	Detroit Diesel Series 60	6067MV2E	hydraulically	40611 →
T2145		6067MV2E	hydraulically	44620 →
C2045		6067MK2E	pneumatically	45935 → 45953, 46503, 45888
C2045		6067MV2E	hydraulically	46531 →

DESCRIPTION:

Detroit Diesel have advised Van Hool of the following:

Lubrication:

1. New stringent exhaust emission standards have been implemented for Series 60 on-highway engines. To accommodate the higher soot levels that result from the engine meeting the more stringent emission standards, a new lubricating oil formulation has been introduced.
2. The lubricating oil specification for engine models 6067MK2E and 6067MV2E is partly outlined below and is required for engines produced to the new, more stringent emission standards.

SAE Viscosity Grade: 15W-40
API Classification: CI-4

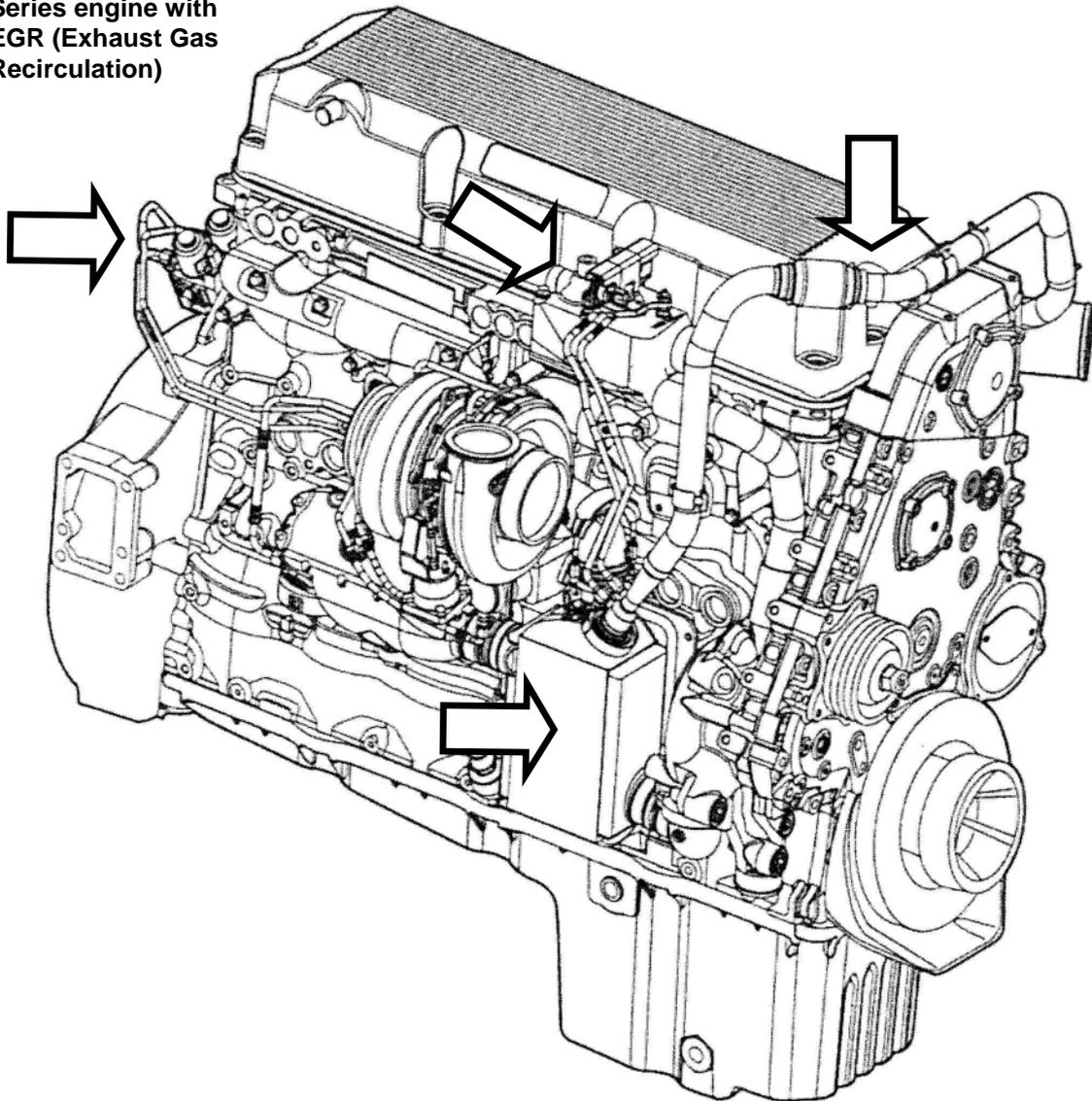
Description continued on next page.

Service personnel: please read, initial and circulate.

Service Manager	Parts Manager	Warranty Administrator	Workshop Foreman	Service Technician

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**Figure 1: DD 60
Series engine with
EGR (Exhaust Gas
Recirculation)**



3. The new CI-4 classification has been formulated to provide improved dispersency, oxidation control and wear protection. The new formulation replaces the previous CH-4 formulation and can be used in all Detroit Diesel four-stroke engines. Additional information is provided by DDC's Lubricating Oil, Fuel and Filters Bulletin #7SE270.

CAUTION: 6067MK2E and 6067MV2E model engines may erroneously have been labeled near the filler cap with the old API CH-4 reference. Disregard this information.

4. Oil drain intervals will remain the same as current Series 60 engines at 12,000 miles (Van Hool Maintenance Interval C).

- New API CI-4 engine oils are commercially available from major oil suppliers. The initial fill should be with CI-4 oil.
- Oil pan capacity:

Level	Qty.
High limit	32 US qt.
Low limit	26 US qt.
Total engine oil capacity w/ filters	38 US qt.

- Motor oil:

Part No.	Description	Qty.
VH 10670905	Shell Rimula Super, 15W40	200 l

- Oil filters:

Part No.	Description	Qty.
DD #23530573	Oil filter, full flow, Power Guard	2

Coolant:

- Detroit Diesel does not recommend the use of NOAT (Nitrite Organic Acid Technology) coolants with Detroit Diesel medium-duty and heavy-duty diesel engines. Please note that while NOAT coolants were previously approved for use in 60 Series diesel engines, the approval was revoked based on field test experience.
- The cooling/heating system of Van Hool T and C coaches equipped with Detroit Diesel engines is factory filled with a mixture of Detroit Diesel Power Cool 3000 SCA and water.
- Coolant filter:

Part No.	Description	Qty.
DD #23516489	Coolant Filter, Power Cool Supplemental Additive Need Release	1

Fuel system:

- Fuel filters:

Part No.	Description	Qty.
DD #23512317	Fuel filter, primary + water separator	1
DD #23533726	Fuel filter, secondary	1

EGR control (6067MK2E models only):

- EGR pneumatic control line filter:

Part No.	Description	Qty.
Bendix 5006788	Maintenance kit, Puragard system filter	1

CAUTION: Failure to comply with the Detroit Diesel recommended maintenance services or the failure to use fuel, oil, lubricants and coolant meeting Detroit Diesel recommended specifications may void warranty coverage.

PARTS AND PRODUCTS:

- Parts and products may be purchased from your nearest ABC Customer Care & Parts Source service center.
- Parts and products disposition: discard according to applicable environmental regulations.

SERVICE INFORMATION:

Service Bulletins are issued to supplement or supersede information in the Van Hool manuals. Note Service Bulletin number, date and subject on the register at the end of the relevant chapter(s). File Service Bulletin separately for future reference.