

DETROIT DIESEL



MBE 4000 Service Information

NUMBER: 2-MBE4000-07 **S.M. REF.:** 1.0 **ENGINE:** MBE 4000 **DATE:** April 2007

SUBJECT: CHAPTER ONE HAS BEEN REVISED

PUBLICATION: EPA-04 MBE 4000 SERVICE MANUAL (6SE412)

Numerous revisions have been made to Chapter 1 of the MBE 4000 service manual. To obtain the latest information and changes it will be necessary to purchase a new service manual.

DETAILS AND REASON

Procedures have been revised or added to Chapter 1 related to:

- Servicing the front and rear oversize crankshaft seals and wear sleeves using Seal and Wear Sleeve Service Kit J-47273, (Engine Section – Crankshaft Seal Wear Sleeve).
- The proper installation of the pilot bearing and spacer sleeve, (Engine Section – Pilot Bearing).
- The procedure for leak checking of the cylinder heads using Cylinder Head Leak Test Kit J-45982-8, (Engine Section – Cylinder Head – Cylinder Head Leak Testing).
- The removal and replacement of the constant throttle valve solenoid has been revised to include the use of CTV solenoid socket J-47398, (Engine Section – Engine Brake – Constant Throttle Valve Solenoid Removal & Installation).
- Tool numbers revised for engine compression testing, (Engine Section – Cylinder Head – Engine Compression Testing).
- Cylinder liner removal tool revised, ((Engine Section – Cylinder Block – Cylinder Liner Removal).
- Tool numbers revised for Front Radial Seal Removal & Installation – Engine Section –Front Radial Seal).
- Tool numbers and procedures revised for Rear Radial Seal Removal & Installation – Engine Section – Rear Radial Seal).
- Crankshaft Gear Replace procedures were revised, (Engine Section – Crankshaft Assembly – Crankshaft Gear Replacement).
- Valve Stem Seal Installer tool J-46184 added, (Engine Section – Valves – Valve Stem Seal Replacement).

ADDITIONAL SERVICE INFORMATION

Additional service information is available in the Detroit Diesel *MBE 4000 Service Manual*, 6SE412. This information is available in Power Service Literature. The next revision to this manual will include the revised information.

DETROIT DIESEL
CORPORATION



13400 Outer Drive, West / Detroit, Michigan 48239-4001
Telephone: 313-592-5000
www.detroitdiesel.com