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#### FOREWORD

This manual has been prepared for Diesel Engine Maintenance of DV15, DV15T and DV15TIS produced by Daewoo Heavy Industries Itd.

These economical and high-performance Diesel Engines, characterized by 8 cylinders, 4 strokes, V-shape and Direct injection type, have been designed and manufactured for the use of overland transport and industrial purpose. They meet all the requirements such as quiet operation, fuel economy, high speed durability and so on (especially, DV15TIS model is an environment friendly one fulfilling the EURO2 emission regulation)

Nonetheless, to ensure the best performance and long life expectancy of an Engine, it is indispensable to operate it properly and to carry out periodic check-ups as instructed in the manual.

We strongly urge you to read this manual from cover to cover thoroughtly and acquaint yourself fully with all the information contained in the manual. For more information or inquires on the maintemance, please contact the nearest after sales service line.

AS all the information, illustrations and specification in this manual are based on the latest product information available at the moment of publication approval, the right is reserved to make changes at any time without previous notice with a view to enhancing the Engine performance or maintenance.

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4. DV15T(RQV)	8. DV15TIS(RQ)

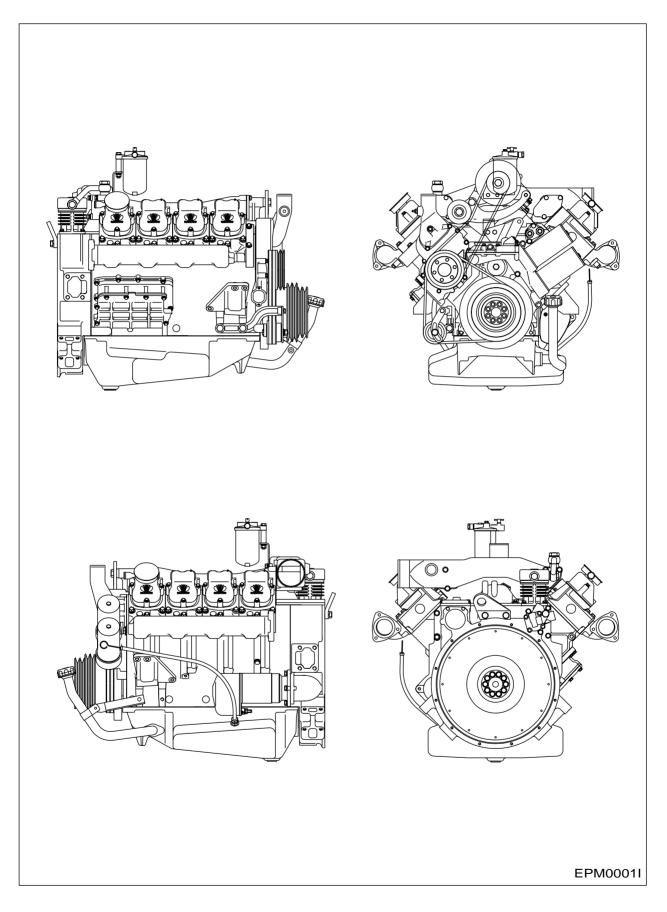
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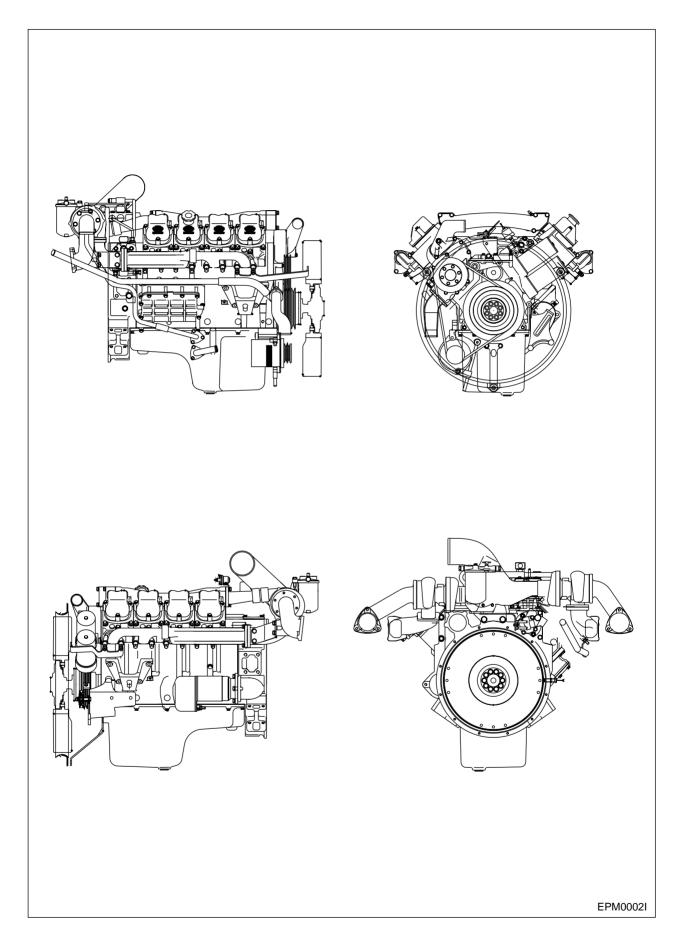
- Tightening torque ratings
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• WORLDWIDE NETWORK

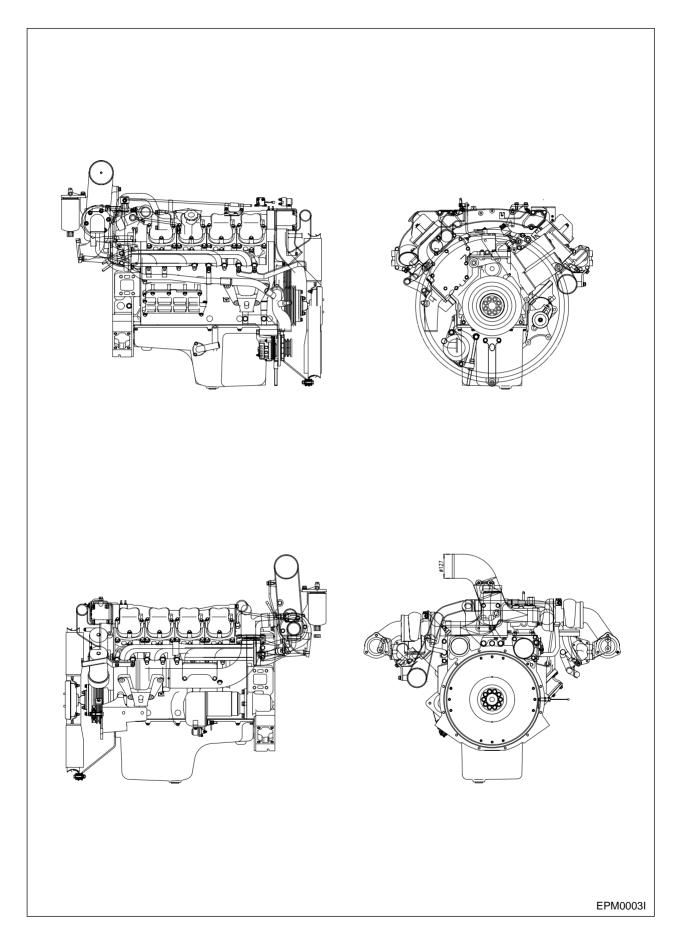
## • Exterior view

## 1. DV15

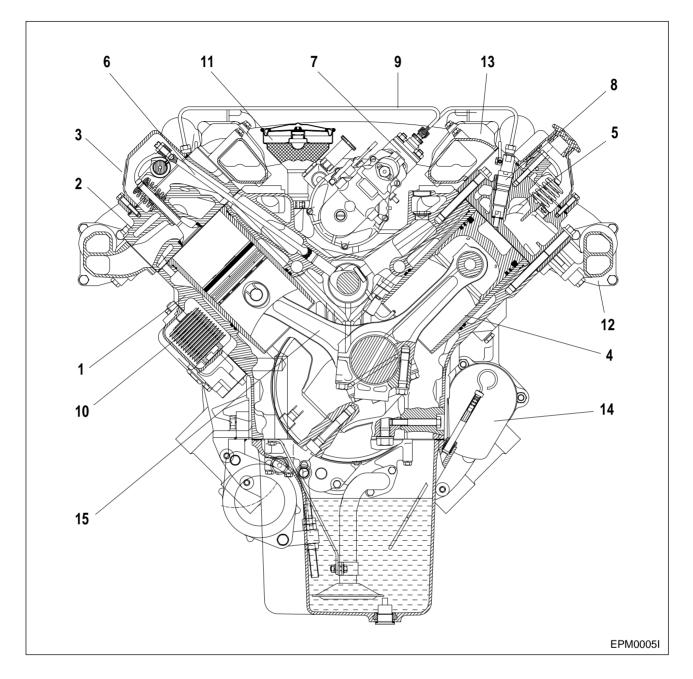




# 3. DV15TI, DV15TIS



• Open-up view(front elevation)

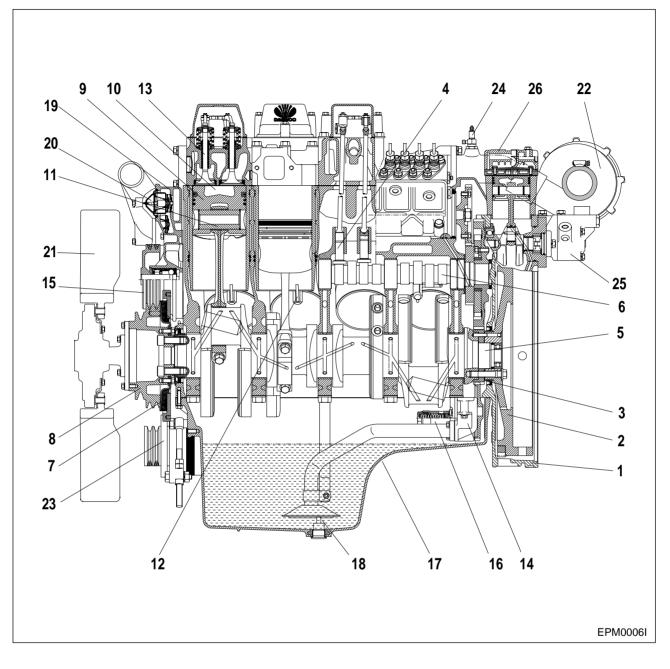


- 1. Cylinder block
- 2. Cylinder head
- 3. Cylinder head cover
- 4. Cylinder liner
- 5. Rocker arm

- 6. Push rod
- 7. Injection pump
- 8. Nozzle
- 9. Injection pipe
- 10. Oil cooler

- 11. Breather pipe
- 12. Exhaust manifold
- 13. Intake manifold
- 14. Starter
- 15. Connecting rod

## Sectional view



- 1. Flywheel housing
- 2. Flywheel
- 3. Oil seal
- 4. Tappet
- 5. Crank shaft
- 6. Cam shaft
- 7. Vibration damper
- 8. Crankshaft pulley
- 9. Piston

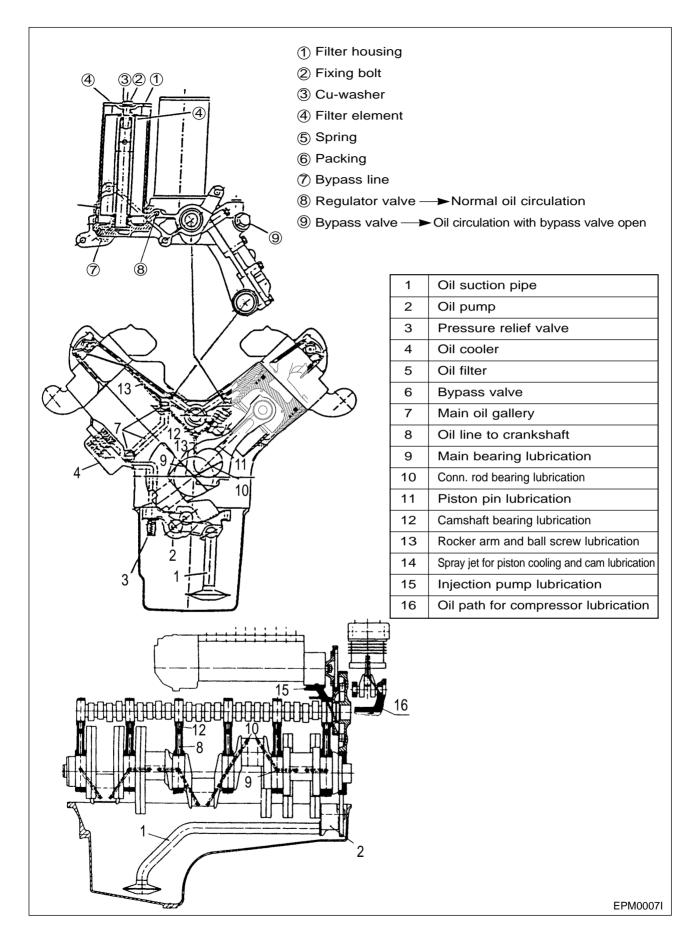
- 10. Combustion chamber
- 11. Piston pin
- 12. Oil injection nozzle
- 13. Valve
- 14. Oil pump
- 15. Oil filter
- 16. Pressure relief valve
- 17. Oil pan
- 18. Oil suction pipe

- 19. Water pump
- 20. Thermostat
- 21. Cooling fan
- 22. Turbocharger
- 23. Generator
- 24. Pre-heating plug
- 25. Power steering oil pump
- 26. Air compressor

#### **Doosan Engine Dv15 Maintenance Manual**

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### • Lubricating system



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