

INSTRUCTION BOOK

VOLUME I

Engine type
L27/38

△ Hyundai Heavy Industries Co., Ltd.
Engine & Machinery Division
1, Cheonha-Dong, Dong-Ku, Ulsan, Korea
[http:// www.hhi.co.kr](http://www.hhi.co.kr)
[http:// as.hyundai-engine.com](http://as.hyundai-engine.com)

Engine After Service Dept.
TEL : (82) 52-230-7412 ~ 20
FAX : (82) 52-230-7581
(82) 52-250-9841

E-mail : engineas@hhi.co.kr

Engine Parts Sales Dept.
TEL : (82) 52-230-7311 ~ 20
FAX : (82) 52-230-7582

E-mail : eservice@hhi.co.kr

This book must in no case be wholly or partially copied and published or passed to unauthorized persons without the permission of HYUNDAI HEAVY INDUSTRIES CO., LTD. ENGINE & MACHINERY DIVISION.

: Applied
 : Not applied

Operation of Engine (Plate no. 501)

- 501-1. Operation
- a) Woodward made ----- 501.01 Ed.11H
 - b) Europa made ----- 501.01 Ed.08H

Trouble Tracing (Plate no. 503)

- 503-1. Trouble Shooting Guide for Air Starter
- a) Gali made ----- 503.06 Ed.06H
 - b) TDI made ----- 503.06 Ed.05H

Cylinder Head (Plate no. 505)

- 505-1. Cylinder Head
- a) Two piece sleeve ----- 50501-05E1
 - b) One piece sleeve ----- 50501-05E

Control and Safety Systems (Plate no. 509)

- 509-1. Governor and Governor Drive
- a) Woodward made ----- 501.01 Ed.11H
 - b) Europa made ----- 501.01 Ed.08H
- 509-2. Manual for Governor
- a) Woodward made (UG 15D)
 - b) Europa made

Crankshaft and Main Bearings (Plate no. 510)

- 510-1. Vibration Damper
- a) Geislinger made ----- 510-04.00 Ed.06H
 - b) Vulkan made ----- 510-04.00 Ed.04H
- 510-2. Vibration Damper with Attachment
- a) Geislinger made ----- 51004-07H
 - b) Vulkan made ----- 51004-05H

Turbocharger system (Plate no. 512)

- 512-1. Manual for Turbocharger
 - a) NR20/S (FOR 5,6L27/38)
 - b) NR24/S (FOR 7,8L27/38)
 - c) NR29/S (FOR 9L27/38)

Compressed Air System (Plate no. 513)

- 513-1. Overhaul, Test and Inspection of Air Starter
 - a) Gali made 513-01.30 Ed.05H
 - b) TDI made 513-01.30 Ed.04H
- 513-2. Turning Gear
 - a) Manual turning gear 513-25.00 Ed.02H
 - b) Electric turning gear 513-25.00 Ed.01H
- 513-3. Air Starter
 - a) Gali made (Starter serial no. > 02-0101) 51309-11H
51309-13H
 - b) TDI made
 - for Output gear ratio 11.7 : 1 51309-09H
 - for Output gear ratio 9.25 : 1 51309-10H
 - 513-4. Main Starting Valve (* If selected 513-3,b) 51310-03H
- 513-5. Turning Gear
 - a) Turning gear with attachment 51325-03E
 - b) Electric turning gear 51325-05H

Fuel Oil System (Plate no. 514)

- 514-1. Fuel Oil Safety Filter 51415-01H

Lubricating Oil System (Plate no. 515)

- 515-1. Centrifugal by-pass filter 515-15.00 Ed.04H
51515-03H

Special equipment (Plate no. 517)

- 517-1. Flexible coupling
- 517-2. Air motor pump unit for emergency start
- 517-3. Oil mist detector(Schaller VN115)
- 517-4. L.O. Auto back-flushing filter