

# HANSHIN

## diesel engines

### Parts Catalogs, Operation, and Service/Repair Manuals

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#### Checking and repairing fuel injectors

##### Disassembling fuel injectors

Fig. 3

Insert injector assembly (the inlet valve being downwards) into the clamping device and lock in a vice. Remove carbon dust and take out nozzle body, intermediate washer, pressure pin, compression spring and stem. Take pressure pipe back out of vice.



##### Repairing fuel injectors

Fig. 4

Clean interior of injection body (1) with a special wooden stick and petrol or Diesel fuel.  
Clean nozzle needle (2) with a clean cloth.



**Note:**  
To prevent corrosion, do not touch lower parts of nozzle needle with the fingers. The nozzle and injection needle are not affected by each other and must not be interchanged.

Check cleaned parts for wear and damage, replacing them if necessary. Grease new parts.

##### Assembling fuel injectors

Fig. 5

Insert pressure pipe back into clamping device, insert stem and compression spring.

Fig. 6

Insert pressure pin and intermediate washer.



21-10410

#### CRANKCASE

Fig.	Part No.	Description	QTY
1	21-10410-001	CRANKCASE WITH PISTON PINS AND CONNECTING RODS	1
2	21-10410-002	PISTON PIN	1
3	21-10410-003	PISTON PIN	1
4	21-10410-004	PISTON PIN	1
5	21-10410-005	PISTON PIN	1
6	21-10410-006	PISTON PIN	1
7	21-10410-007	PISTON PIN	1
8	21-10410-008	PISTON PIN	1
9	21-10410-009	PISTON PIN	1
10	21-10410-010	PISTON PIN	1
11	21-10410-011	PISTON PIN	1
12	21-10410-012	PISTON PIN	1
13	21-10410-013	PISTON PIN	1
14	21-10410-014	PISTON PIN	1
15	21-10410-015	PISTON PIN	1
16	21-10410-016	PISTON PIN	1
17	21-10410-017	PISTON PIN	1
18	21-10410-018	PISTON PIN	1
19	21-10410-019	PISTON PIN	1
20	21-10410-020	PISTON PIN	1
21	21-10410-021	PISTON PIN	1
22	21-10410-022	PISTON PIN	1
23	21-10410-023	PISTON PIN	1
24	21-10410-024	PISTON PIN	1
25	21-10410-025	PISTON PIN	1
26	21-10410-026	PISTON PIN	1
27	21-10410-027	PISTON PIN	1
28	21-10410-028	PISTON PIN	1
29	21-10410-029	PISTON PIN	1
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# Hanshin Diesel Engine Maintenance Manual

**Puja Mehta**



## **Hanshin Diesel Engine Maintenance Manual:**

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