# INSTRUCTION MANUAL FOR

HB3,HB4



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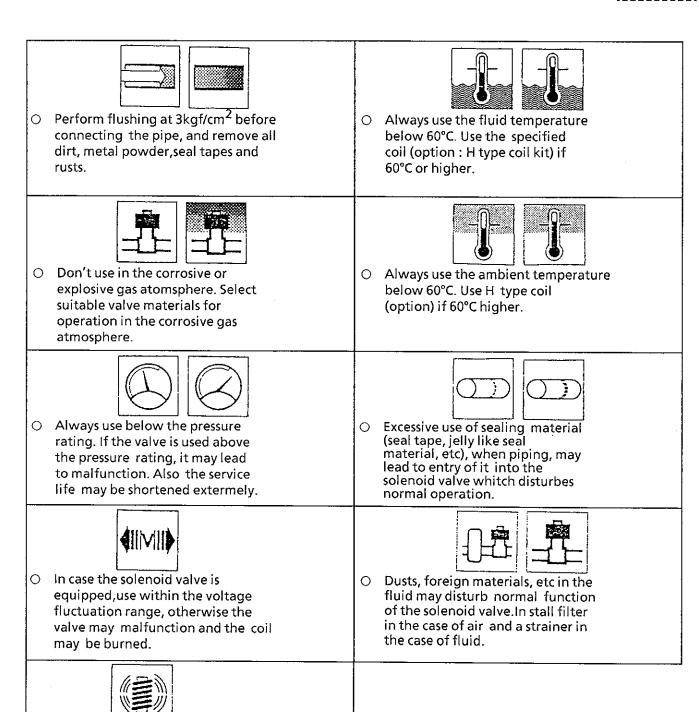
## **CKD Corporation**

INSTRUCTION MANUAL FOR SOLENOID VALVE MODEL: HB3,4

This manual is your introduction to CKD HB3,4 and will give valuable information on the installation, operation and maintenance servicing of those types Solenoid Valve.

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 Solenoid coil is operable with continous rating. Though the temperature of coil.surface increases high and contacting with

hand gives hot feeling it is a normal condition of operation.

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#### ·Maintenance servicing

- -1. Periodical check 1-2 times periodical check in one year leads to its long life operation. Be cautious of obstruction of rust in the pipes, oil oxide, carbon and coaltar in the compressor, and dust, due to smooth operation and long life operation.
- -2. Maintenance instruction
- 1) Electric power, pressure and fluid should not be supplied at disassembed.
- 2) Disassemble method should be refered to attached disassemble drawing.
  - a) Unfasten and take off the nut 1 , then 2345 can be taken off.
  - b) Unfasten and take off the core assembly ⑥, then ⑦⑧⑨ can be taken off. However, in this case, note that core assembly should not be turned while seized at the pipe of core assembly.
- 3) Clean each parts with carbon tetrachloride, herosene or equivalent.
  - Note: Rubber parts should be replaced due to possible swelling by the solvent.
- 4) Consumable parts which are  $\times$  maked on disassemble drawing are prepared as one kit.

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### 5) Consumble part

	HB3	HB4
789	PLUNGER ASS'Y	

6) Reassembling is the reversal of the disassemble.

Note: Coil (4) can be rotated freely.

7) Inspection after reassembly.

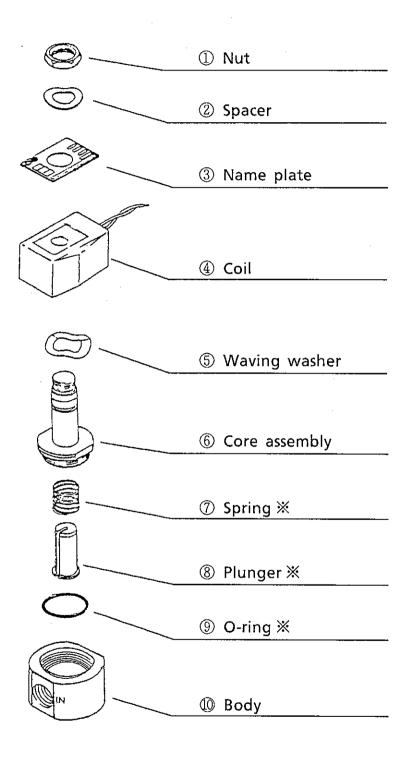
a) Electrical check : By switching ON / OFF , operation sound shall be checked.

b) Leakage check : Check leakage by suppling pressure.

c) Operation check : By switching ON / OFF, correct operation shall be checked.

### Disassemble drawing

Model : HB3 HB4



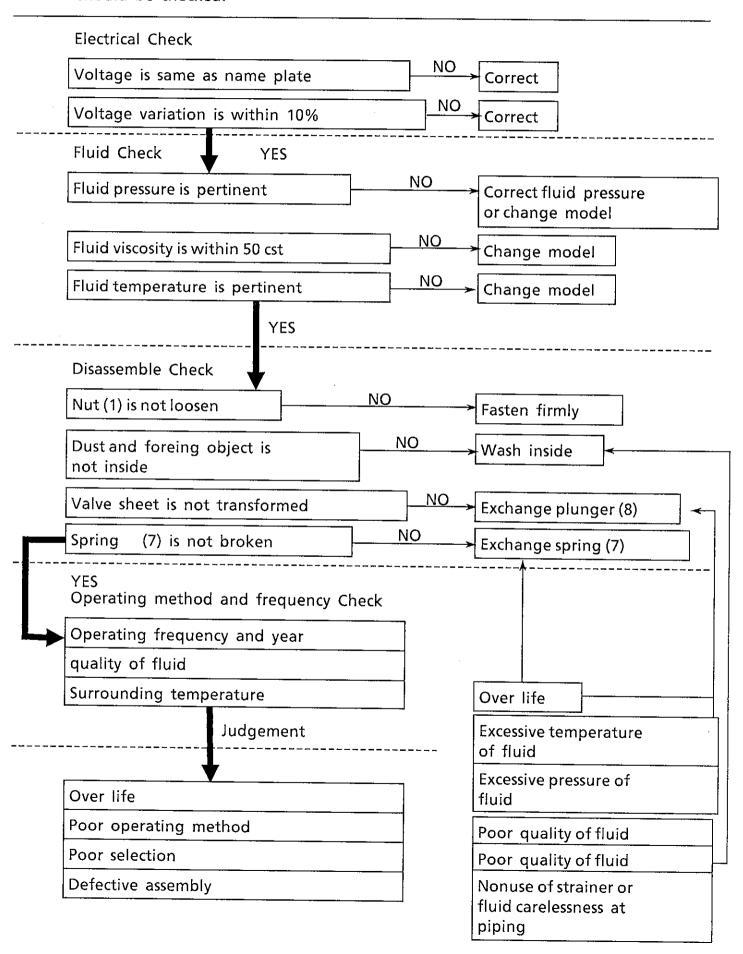
#### Disassemble tools

Parts name	Tool	Standard	
Nut	Spanner	17mm	_
Core assembly	Spanner	27mm	

### Trouble & Check Manual

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•Noise is appeared in case electric power supplies followings should be checked.



Exchange spring (7)

Life time	Poor selection
Poor operating method	Defective assembly

NO

Spring is not seperated

from plunger