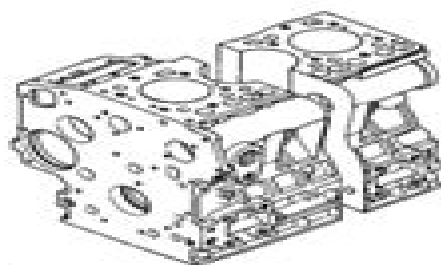


# 1 ENGINE BODY

## [1] CYLINDER BLOCK



11900F10020

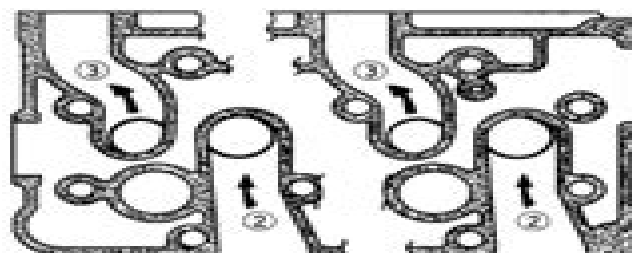
The engine has a high durability tunnel-type cylinder block in which the crank bearing component is a constructed body.

Furthermore, liner less type, allow effective cooling, less distortion, and greater wear-resistance.

The noise level is reduced to a minimum because each cylinder has its own chamber.

11900M10020

## [2] CYLINDER HEAD

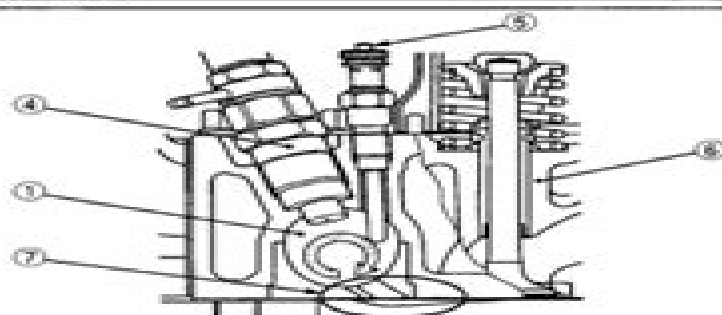


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The cross-flow type intake / exhaust ports in this engine have their openings at both sides of the cylinder head. Because overlaps of intake / exhaust ports are smaller than in ports of other types which have openings on one side, the suction air can be protected from being heated and expanded by heated exhaust air. The cool, high density suction air has high volume efficiency and raises the power of the engine. Furthermore, distortion of the cylinder head by heated exhaust gas is reduced because intake ports are arranged alternately.

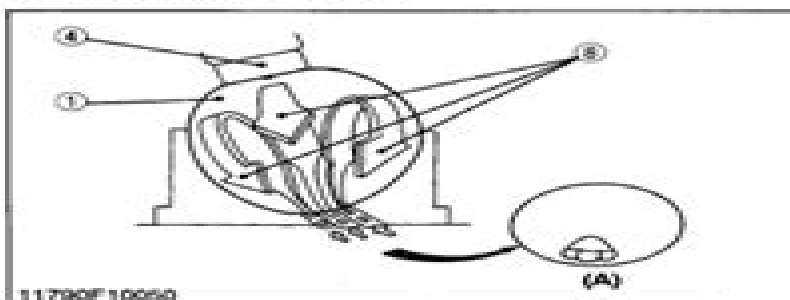
The combustion chamber is of KUBOTA's exclusive E-TVCS combustion chamber type. Suction air is whirled to be mixed effectively with fuel, prompting combustion and reducing fuel consumption.

In the combustion chamber are installed throttle type injection nozzle and rapid heating sheathed type glow plug. This glow plug assures easier than ever engine starts even at  $-15^{\circ}\text{C}$  ( $5^{\circ}\text{F}$ ).



11790F10040

- |                        |                                   |
|------------------------|-----------------------------------|
| (1) Combustion Chamber | (7) Depression                    |
| (2) Intake Port        | (8) Compressed Air                |
| (3) Exhaust Port       | (A) Connect to Combustion Chamber |
| (4) Nozzle Assembly    |                                   |
| (5) Glow Plug          |                                   |
| (6) Cylinder Head      |                                   |



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# Kubota 05 Series 17 47hp Diesel Engine Repair Manual

**Atlantis Diesel Engines (Firm)**



**Kubota 05 Series 17 47hp Diesel Engine Repair Manual:**

*Farmers and Consumers Market Bulletin* ,2010      **AMJ, Agricultural Machinery Journal** ,1975      **Workshop Manual, Kubota Diesel Engines** ,198?      *Motor Truck & Diesel Repair Manual* Louis C. Forier,1974      L Type Diesel Engine Repair Manual ,1980      *L Type Diesel Engine Repair Manual* Toyota Jidōsha Hanbai Kabushiki Kaisha,1982      *Troubleshooting and Repair Manual B4.5 and B6.7 Series Engines* ,2004      *Toyota K Series Engine Repair Manual Includes 2K, 3K-B, 3K-C, 3K-H,4K-J.* Toyota Motor Sales Co. Ltd,1978      *Toyota H Engine Repair Manual* ,1980      *Engine Repair Manual* Atlantis Diesel Engines (Firm),1987\*      **Motor Truck and Diesel Repair Manual** Louis C. Forier,1978      *Toyota K Series Engine Repair Manual* Toyota Jidōsha Hanbai Kabushiki Kaisha. Export-Technical Department,1978      Motor Truck and Diesel Repair Manual ,1965      **Toyota B Series Engine Repair Manual** ,1985      **Operator's Instruction Manual and Repair Parts List, Series "R" Engines** Hill diesel engine company,

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