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SHOP MANUAL

KOMATSU **WA900-1**

MACHINE MODEL

SERIAL NUMBER

WA900-1

10001 and up

- This shop manual may contain attachments and optional equipment that are not available in your area. Please consult your local Komatsu distributor for those items you may require.
Materials and specifications are subject to change without notice.
- WA900-1 mounts the SA12V140-1 engine.
For details of the engine, see the 12V140-1 Series Engine Shop Manual.

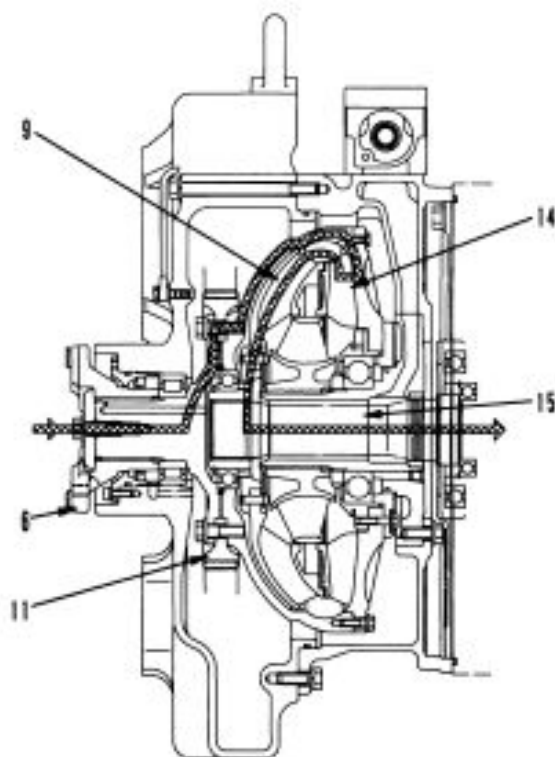
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Flow of motive force

- The torque converter is installed between the damper and transmission. The motive force from the damper passes through the drive shaft and enters coupling (6). Coupling (6), pump (14) and PTO gear (drive) (11) are fixed with bolts. They are rotated directly by the rotation of the engine. The motive force of pump (14) uses oil to rotate turbine (9). This transmits motive force to transmission input shaft (15).
- The motive force of coupling (6) passes through PTO gear (drive) (11) and is also used as the motive force to drive the pump.

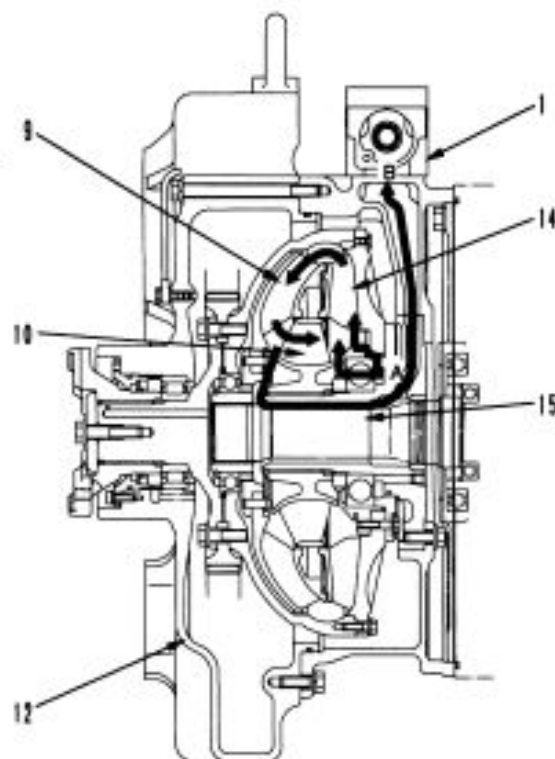


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Flow of oil

- The oil pressure is adjusted by the torque converter relief valve and then enters inlet port **A**, passes through the oil passage in housing (12) and flows to pump (14). In pump (14) centrifugal force is applied. The oil enters turbine (9) and the energy of the oil is transmitted to the turbine. Turbine (9) is fixed to transmission input shaft (15), so the motive force is transmitted to the transmission input shaft (15). The oil from turbine (9) is sent to stator (10) and again enters the pump. However, part of the oil passes from the stator through outlet port **B** and is sent to regulator valve (1). The oil sent to regulator valve (1) passes through the oil cooler to be cooled, and is then used to lubricate the transmission.



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