Ceam002801

Operation & Maintenance Manual

KOMATSU®

TD-7H
TD-8H
TD-9H

CRAWLER TRACTOR

SERIAL NUMBERS TD-7H – P026055 and up
TD-8H – P036255
TD-9H – P046275

July 1998

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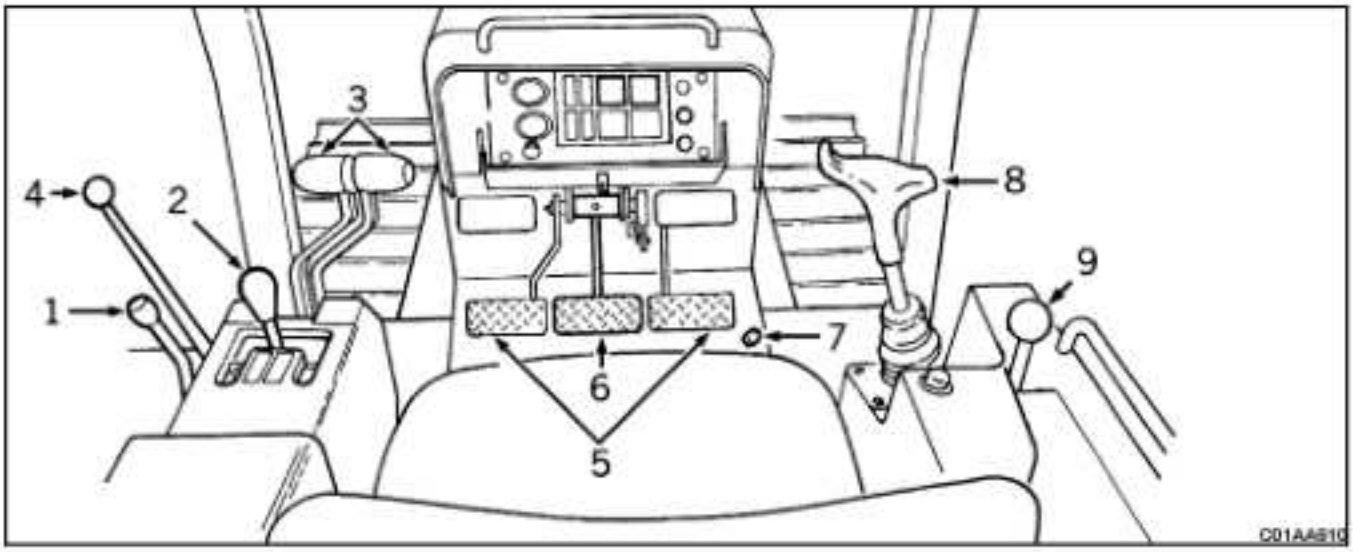
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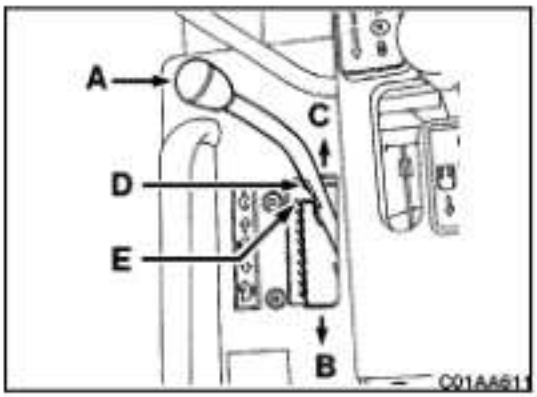
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11.5 CONTROL LEVERS AND PEDALS



11.5.1 FUEL CONTROL LEVER

This lever (A) is used to start the engine , control the speed of the engine or to shut it off. Position the lever in notch (E) to start the engine or for low idle. Pull the lever back (B) to increase engine speed; push the lever forward (C) to decrease engine speed. Position the lever in the notch (D) to shut the engine off.



11.5.2 TRANSMISSION SHIFT LEVER

This lever serves two functions:

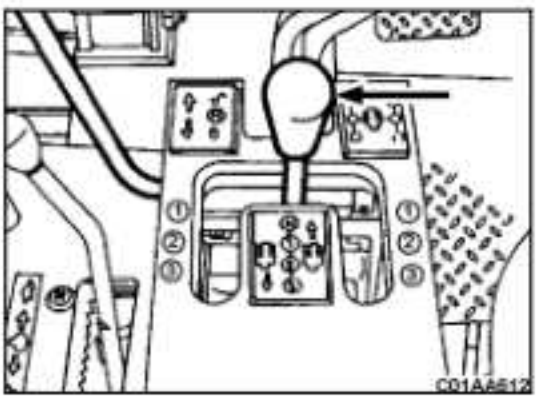
1. The lever is used to select the vehicle direction and various gear ranges.
2. From the neutral position, slide the lever to the left for reverse or slide the lever to the right for forward direction.

   1st speed: Pull the lever to the first position.

   2nd speed: Pull the lever to the center position

   3rd speed: Pull the lever to the rear position.

   Neutral: Lever centered.

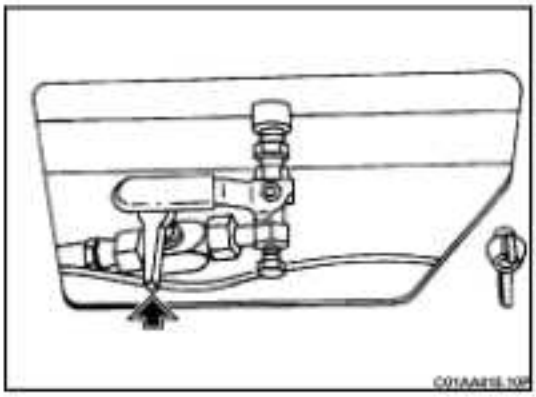


REMARK

When the shift lever is placed in one of the reverse positions, the back-up alarm automatically sounds.

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24.6.4 REPLACE FUEL FILTER WATER SEPARATOR

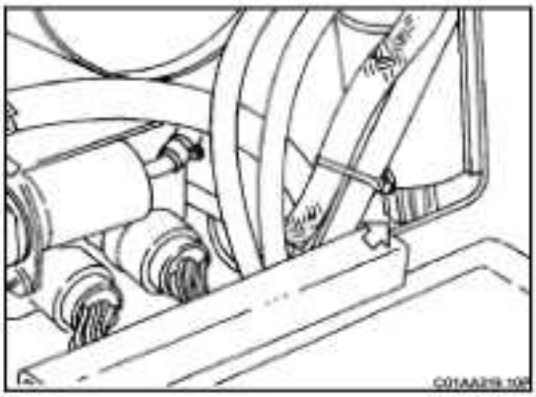


When to Replace the Filter

Replace the fuel filter when the engine is misfiring, loss of power is evident or after 250 hours.

Replacing the Fuel Filter

Keep the new filter in the original package until ready for installation. Before loosening the filter, clean the filter head to prevent dirt or foreign material from entering the system.



1. Close the fuel shutoff valve under the fuel tank.
2. Remove the fuel filter from the filter header by turning counterclockwise. A filter removal wrench can be used if unable to turn the filter by hand. Discard the fuel filter in a suitable container.
3. Thoroughly clean the filter header with kerosene or diesel fuel to prevent dirt or foreign material from falling into the new filter.
4. Fill fuel filters with clean fuel.
5. Apply a light coating of clean engine oil or chassis grease to the seal surface on the new filter.
6. Install, but do not spin, the new filter, turning it until the seal just contacts the filter head. Make aligning marks on the filter and the filter header and tighten the filter an additional ¼ to ½ turn. Open the fuel line shutoff valve.



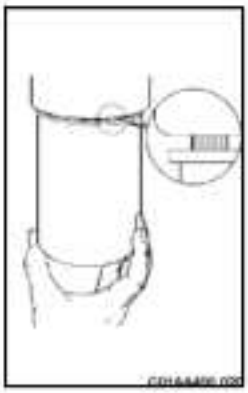


REMARK

Do not over tighten the filter or use any tools for installation because this can damage the gasket and filter.

REMARK

Mechanical over tightening may distort the filter header threads or damage the element seal.





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25.2 TD-8H STD, TD-8H LGP SPECIFICATIONS

		TD-8H STD	TD-8H LGP
WEIGHT			
! Operating weight w/o operator	kg (lbs)	7659 (16885)	7995 (17625)
BLADE			
! Equipment weight (including cylinders)	kg (lbs)	1212 (2671)	1245 (2744)
! Blade capacity	m^3 (yd^3)	1.45 (1.9)	1.45 (1.9)
PERFORMANCE			
! Travel speeds km/h (mph) Forward	1st	3.3 (2.1)	
	2nd	5.6 (3.5)	
	3rd	9.3 (5.8)	
Reverse	1st	4.0 (2.5)	
	2nd	6.7 (4.1)	
	3rd	11.2 (6.9)	
! Maximum drawbar pull	kg (lbs)	14217 (31343)	
! Ground pressure	kg/cm^2 (psi)	0.47 (6.8)	0.31 (4.4)
ENGINE			
! Model		S4D102E-1 Diesel Engine	
! Flywheel horsepower		59.6 kW (80 hp) @ 2500 RPM	
! Maximum torque		314 N·m (232 lbf ft) @ 1200 RPM	
! Starting motor		2.7 kW (12V)	
! Alternator		2.7 kW (12V) @ 65A	
! Battery		2.7 kW (12V) @ 700 CCA	

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