CASE

PROFESSIONAL PARTNER

OPERATOR'S MANUAL

Grader

865 VHP

71114103
Issue 03-2008

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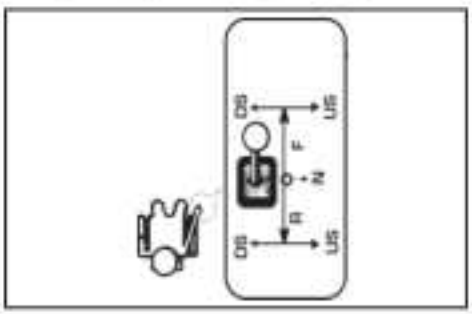
2. THROTTLE CONTROL LEVER



The engine will remain at low idle with the throttle control lever all the way forward and engine speed will increase as the lever is pulled back.

3. TRANSMISSION CONTROL LEVER





SHIFT PATTERN:
R • REVERSE
F • FORWARD
N • NEUTRAL
DS • DOWN SHIFT
US • UP SHIFT

The transmission control lever is used to select the desired forward or rearward speeds.

These machines are equipped with a 8 speed forward and 4 speed reverse transmission.

The gear speed change is done using a shift lever.

To obtain forward speeds place this lever to the front. To obtain reverse speeds place this lever to the rear.

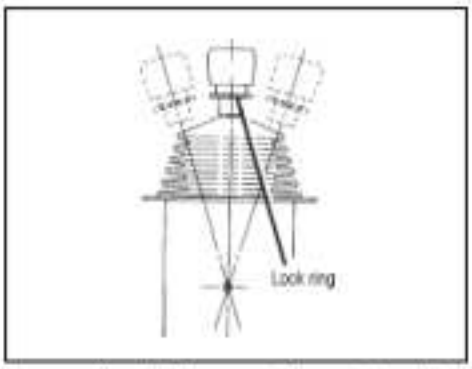
By using this lever the proper speed (1st, 2nd, etc.) can be selected. Observe the gear display readout for confirmation of the gear selected. If the display shows an "error code" it means that some fault has occurred in the transmission system. Therefore it is necessary to contact a Case dealer.

When the machine is stopped, any gear lower than F3 or R2 may be selected to start again.

A single speed change is done with a single push and release of shift lever.

If the shift control lever is pushed and held to the right or left the gear speeds will change automatically.

NEUTRAL LOCK



To move the shift lever out of neutral position, release the "Neutral Lock" by raising the release ring located under the shift handle knob.

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AIR FILTER SYSTEM

Service Specifications

Air filter element service interval

Primary (Outer) Element	Service the element if the air filter restriction indicator is in the red area. Replace the element after three washings. Also, replace the element after 1000 hours of operation or each year, whichever occurs first.
Secondary (Inner) Element	Replace the element after the primary (outer) elementhas been cleaned three times, or after the primary element has been cleaned or replaced and the air filter restriction indicator is still in the red area with the engine running. Also, replace the element every 1000 hours or each year, whichever occurs first.

Cleaning the Air Filter Element

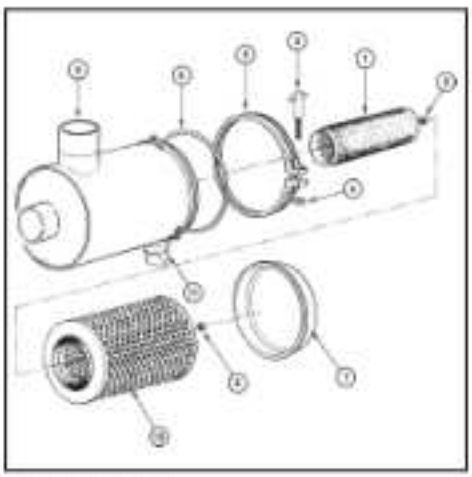
The outer element of the air cleaner should be disassembled only when the air restriction indicator is in the red area.

For correct maintenance of the air filter proceed as following:

1. Clean dirt and oil from air cleaner assembly.
2. Loosen clamp (5) attaching cup to air cleaner body.

   Remove cup (7) and o-ring (6).
3. Remove outer element (10) by loosening wing nut (8) and gasket.
4. The filter may be cleaned with compressed air.

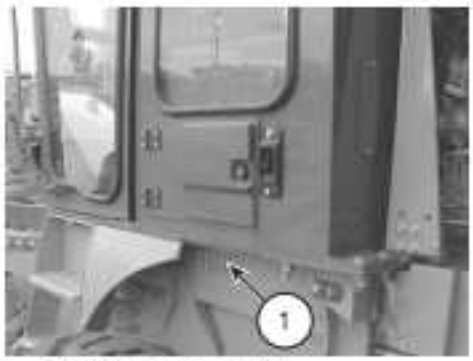
NOTE: *Visually check inner element each time outer element is cleaned or replaced. Do not attempt to clean the inner element.*



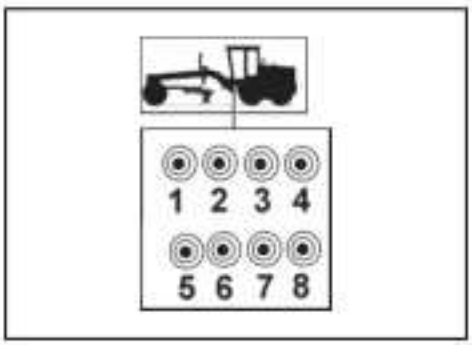
1. INNER ELEMENT
2. NUT
3. T-BOLT
4. NUT
5. CLAMP
6. O-RING
7. CUP
8. NUT
9. FILTER HOUSING
10. OUTER ELEMENT
11. DUST VALVE

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HYDRAULIC DIAGNOSTIC PANEL CHECK



1. DIAGNOSTIC TEST PANEL



When hydraulic system pressure failures occurs, pressure specifications are as follow:

1. Hydraulic System
(193 ±3,4bar; 2800±50PSI) *1

2. Steering Hydraulic System
(151bar; 2200PSI) *2

3. Brake Accumulators LH
(81-87bar; 1175-1262PSI) *1,3
(120-126bar; 1740-1827PSI) *1,4

4. Brake Accumulators RH
(81-87bar; 1175-1262PSI) *1,3
(120-126bar; 1740-1827PSI) *1,4

5. Brake System LH
40-45 bar (580-653 PSI) *1

6. Brake System RH
40-45 bar (580-653 PSI) *1

7. Blade Lift Cylinder RH
(98-113bar; 1420-1640PSI) *1

8. Blade Lift Cylinder LH
(98-113bar; 1420-1640PSI) *1

NOTE: *1 *Engine speed 2200 rpm*
*2 *Engine speed 900 rpm*
*3 *Minimum accumulator pressure*
*4 *Maximum accumulator pressure*

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