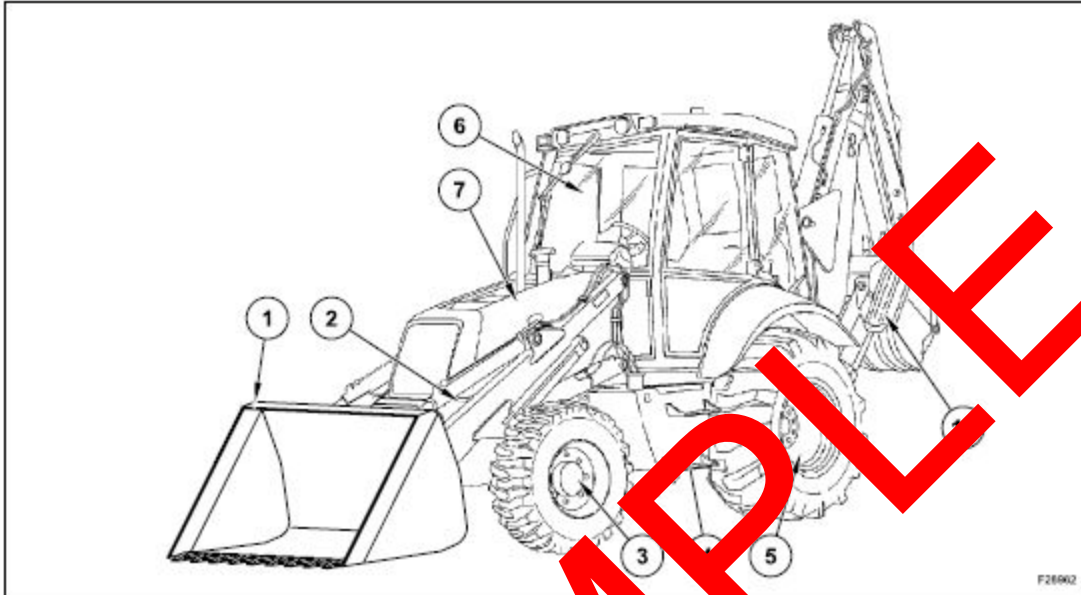
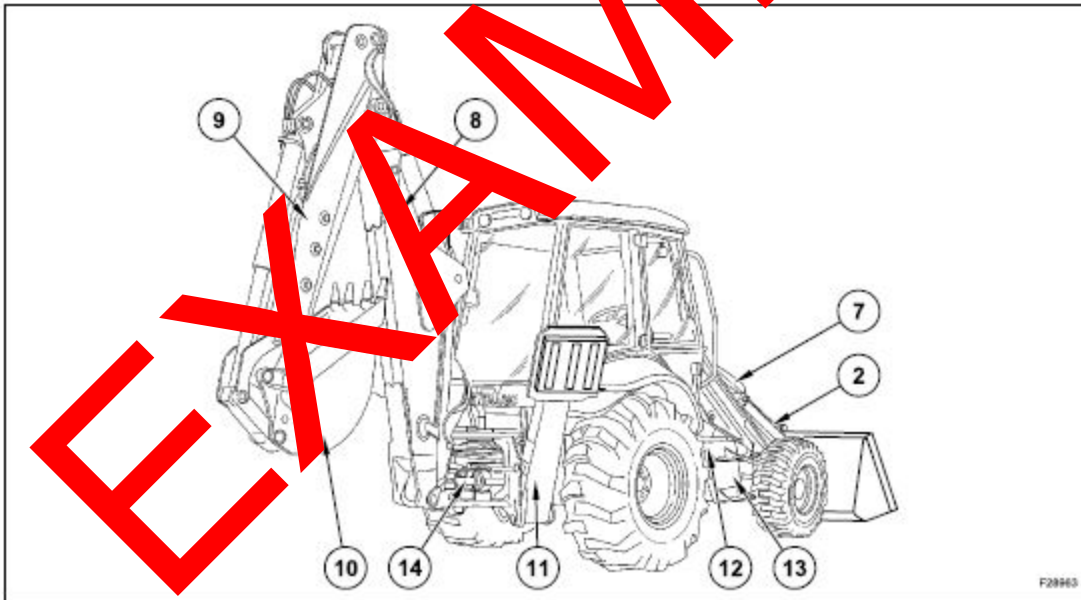


IDENTIFICATION OF MAIN COMPONENTS



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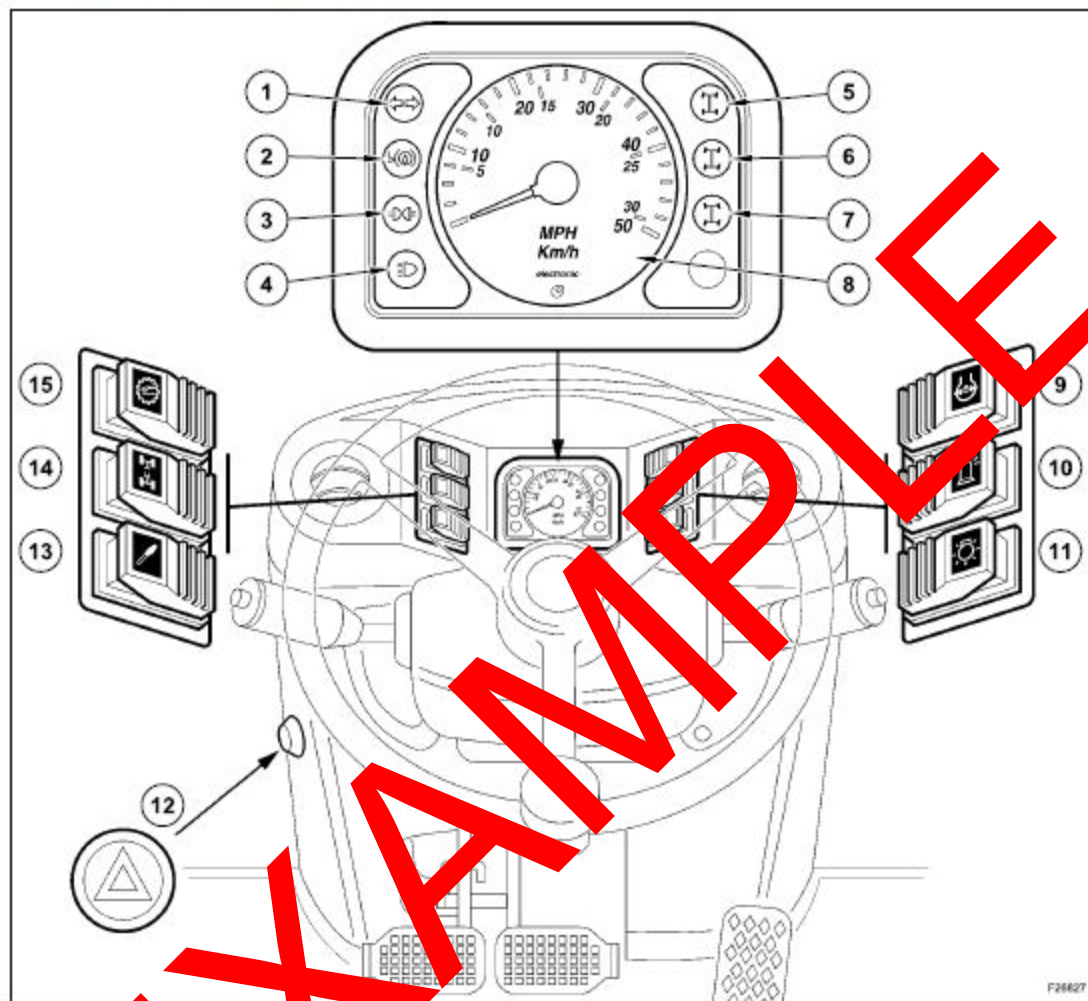


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- | | |
|---------------------------|--|
| 1. Loader bucket | 8. Backhoe boom |
| 2. Loader arm | 9. Backhoe dipper or telescopic dipper (HED) |
| 3. Front axle | 10. Backhoe bucket |
| 4. Fuel tank | 11. Stabilizers |
| 5. Rear axle | 12. Battery box |
| 6. Operator's compartment | 13. Hydraulic reservoir |
| 7. Engine side panels | 14. Swing cylinder |

FRONT INSTRUMENT PANEL



F28627

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1. DIRECTION INDICATOR LAMP

This lamp lights up when the direction indicators are working.

2. BRAKE LIQUID LEVEL WARNING LAMP

This lamp comes on and the audible warning device sounds when the brake liquid is at minimum level. See "Brake liquid reservoir".

3. LOW BEAM INDICATOR LAMP

This lamp comes on when the headlights are working in low beam position.

4. MAIN BEAM INDICATOR LAMP

This indicator lamp comes on when the main beam headlights are turned on.

5. "ROAD" (4WS) STEER INDICATOR LAMP

This lamp comes on when two wheel steer mode is selected and phased. See "Phasing procedure" in Section 5.

6. "CRAB" (4WS) STEER INDICATOR LAMP

This lamp comes on when crab steer mode is selected and phased. See "Phasing procedure" in Section 5.

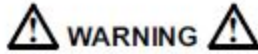
7. "FOUR WHEEL STEER" (4WS) STEER INDICATOR LAMP

This lamp comes on when four wheel steer mode is selected and phased. See "Phasing procedure" in Section 5.

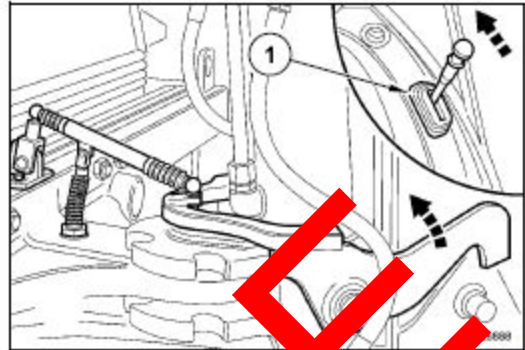
NOTE: If the three lamps come on at once this means there is a problem with the electrical circuit. Consult your Dealer.

IMPORTANT: Before using the backhoe attachment, make sure that the lock plate has been disengaged, either by means of the lever (1) or the switch (1).

IMPORTANT: Whenever the backhoe attachment is used the machine must be resting on the stabilizers.



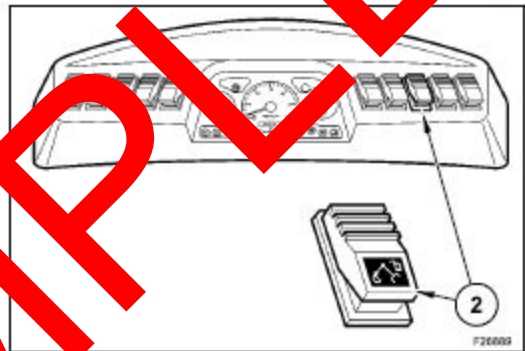
Before starting the engine, make sure you are fully aware of the location and the function of each control. Operating the controls wrongly can cause serious physical injury.



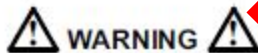
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Any uncontrolled movement of the machine can cause an accident. Before turning the operator's seat to the backhoe attachment working position, it is essential to place the direction of travel control lever and the gear change lever (Powershuttle) in the neutral position and to immobilize the machine by means of the parking brake lever.



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Before using the backhoe controls, make sure that the operator's seat is correctly adjusted in the backhoe attachment position.

IMPORTANT: Whenever the backhoe attachment is used, it is mandatory for the machine to be resting on the stabilizers. See "Stabilizer controls" and "Setting the backhoe attachment working position" in Section 5.

IMPORTANT: Two backhoe attachment control configurations exist:

- Standard pattern or ISO pattern (to change, use control pattern change switch).

If the operating pattern of the control levers is different, see "Backhoe attachment mechanical controls" and determine which configuration you have on your machine.



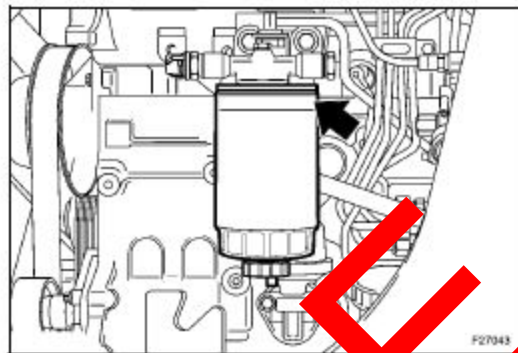
Check control functions before operating the machine. Failure to check control pattern before operating can cause unexpected machine movement, death or serious injury.

6. Install the new filter. Turn the filter until the seal comes in contact with the filter head and then tighten an extra half turn by hand.

IMPORTANT: Do not use the filter wrench to tighten. Overtightening can damage the seal and the filter.

NOTE: It is imperative to use a genuine filter, as supplied by the manufacturer, when making the replacement, as unapproved filters can cause serious damage to the injection pump.

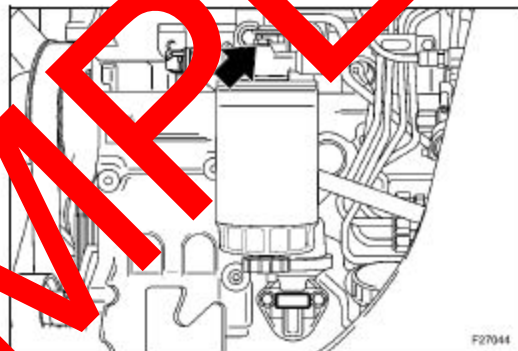
Prime the system.



PRIMING THE FUEL SYSTEM

Make sure there is enough fuel in the fuel tank.

1. Loosen the bleed fitting two or three turns.

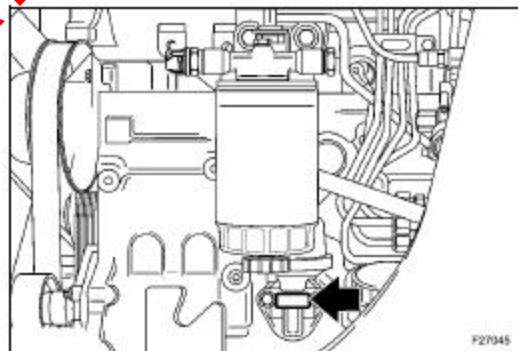


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2. Operate the priming pump until fuel flows out with no air bubbles in it. Then retighten the bleed fitting.
3. Continue priming using the pump until there is a resistance, showing that the system is under pressure.
4. Start the engine, see "Starting the engine" in Section 5.

NOTE: The injection pump is self-ventilating, it does not need to be bled.

NOTE: Do not operate the starter motor for more than thirty seconds at a time. Wait for two minutes before starting again.



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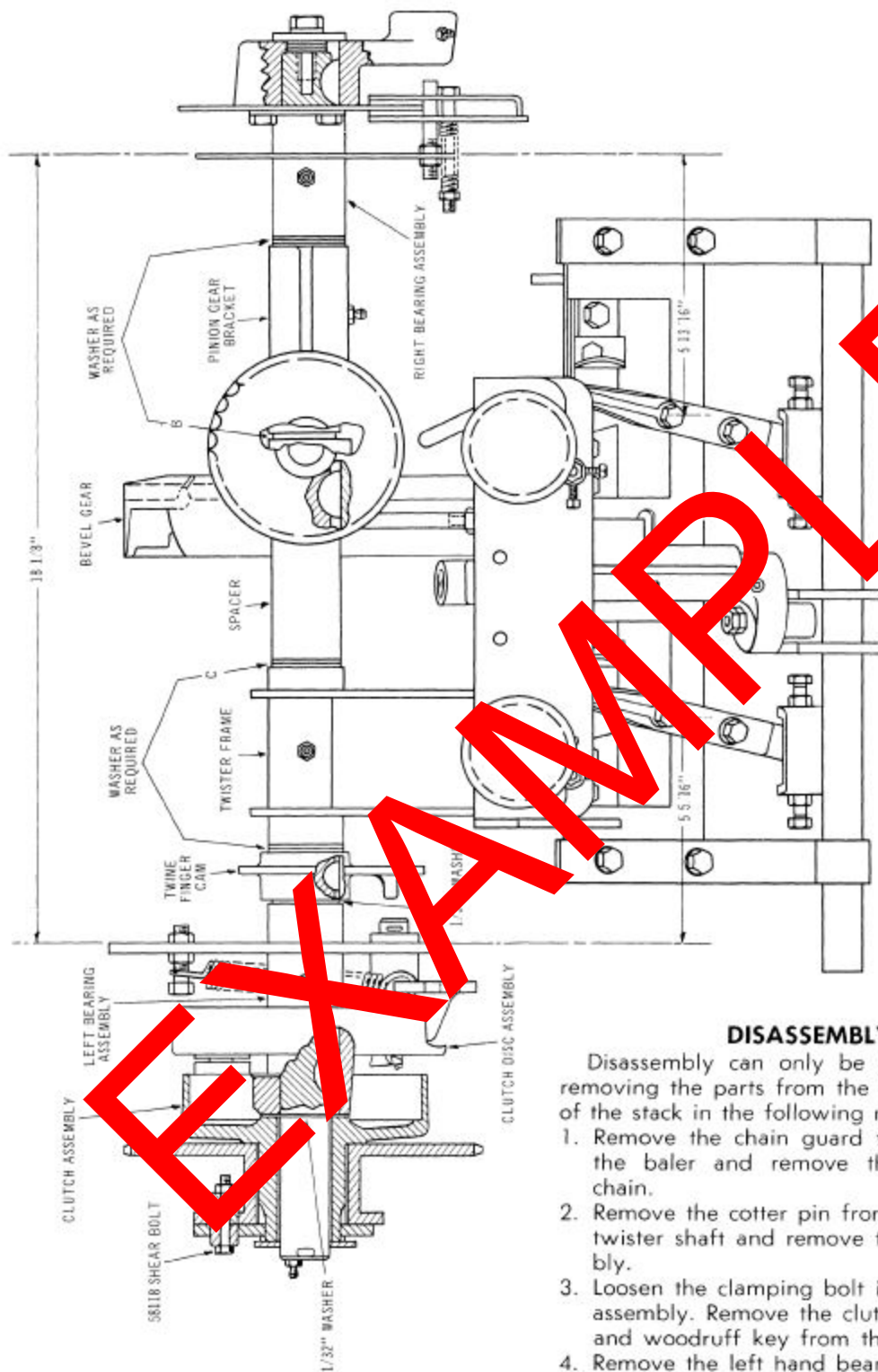


FIGURE 68

DISASSEMBLY

Disassembly can only be accomplished by removing the parts from the left hand end of the stack in the following manner:

1. Remove the chain guard from the side of the baler and remove the twister drive chain.
2. Remove the cotter pin from the end of the twister shaft and remove the clutch assembly.
3. Loosen the clamping bolt in the clutch disc assembly. Remove the clutch disc assembly and woodruff key from the shaft.
4. Remove the left hand bearing assembly by removing the two $\frac{1}{2}$ " bolts which secure it to the bale chamber.
5. Slide the twine finger cam from the shaft and remove the woodruff key.

from the air and deposited in the oil in the bottom of the cleaner. THIS OIL SHOULD BE DISCARDED AND REPLACED AFTER EVERY DAY'S BALING OPERATION.

HAND PRIMER

The purpose of the hand primer is to operate the fuel pump manually, see Figure 15. This should be necessary only when the engine has been allowed to remain idle over long periods of time or when it has been completely exhausted. In order for it to operate, the engine must be turned until the cam shaft which operates the fuel pump lever is in a down position. This can be ascertained by turning the engine through several revolutions while operating the hand primer. When the cam shaft is in the proper position, additional pressure can be felt on the hand primer, indicating that the pump is being operated by this hand control.

OVERHEATING SHUT-OFF SWITCH

The overheating shut-off switch protects engine against any damage which might result

from overheating. IT SHOULD NEVER BE TAMPERED WITH AT ANY TIME.

CAUTION: KEEP ENGINE CLEAN AND AIR SHROUDS IN PLACE TO INSURE PROPER COOLING. FOR MORE DETAILED INFORMATION REGARDING THE CARE AND OPERATION OF YOUR WISCONSIN ENGINE, CONSULT THE OPERATOR'S MANUAL PROVIDED WITH THE ENGINE.

BATTERY

The battery should be installed as shown in Figure 16.

THREADING BALLS — Twin Models

Place four balls of twine in the twine box. Tie the two left and right balls together as shown in Figure 17.

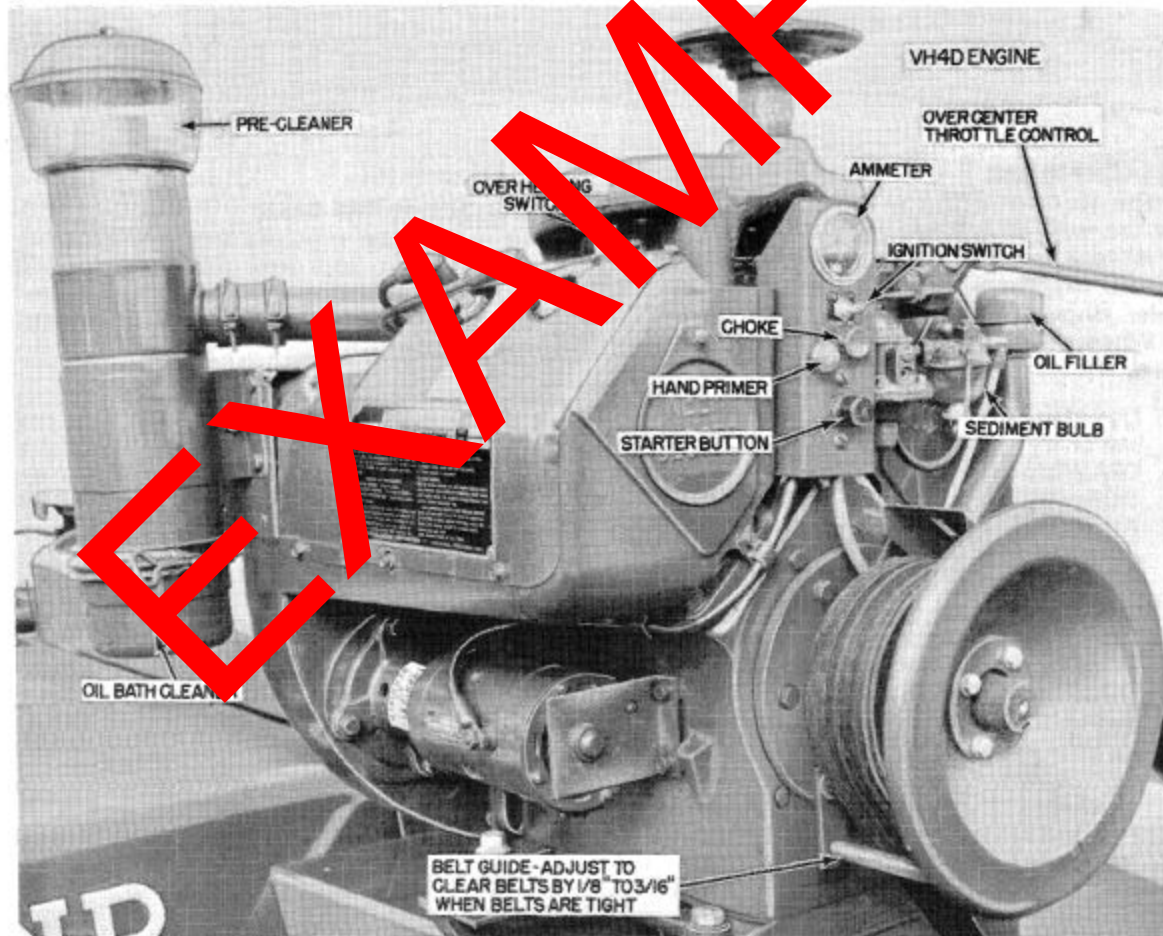


FIGURE 15

SECTION 10 - ELECTRICAL SYSTEM

FUSES - POWERSHUTTLE WITH CAB

Fuse No.	Rating	Color	Circuit
F1/A	15 A	Blue	Rear windshield wiper and rear windshield washer
F1/B	7.5 A	Brown	Fuel shut off solenoid, grid heater
F1/C	10 A	Red	Brake lights, 4-wheel braking
F2/A	15 A	Blue	Instruments switch backlights, brake oil level sensor, air seat, parking brake, buzzer
F2/B	15 A	Blue	Blower motor
F2/C	15 A	Yellow	Pilot control
F3/A	3 A	Violet	Rear right/front left side lights, instruments backlight, air conditioners switch light
F3/B	3 A	Violet	Rear left/front right side lights
F3/C	10 A	Red	Front work lights, 4x1 bucket, Glide Ride control
F4/A	5 A	Orange	Transmission shuttle lever, back-up alarm
F4/B	10 A	Red	Rear auxiliary button, loader RTD, transmission disconnect switches
F4/C	10 A	Red	Rear work lights, backhoe transport lock
F5/A	15 A	Blue	Front inner work lights
F5/B			
F5/C			
F6/A	7.5 A	Brown	Rotary Beacon
F6/B	7.5 A	Brown	(+15) Turn signal
F6/C	7.5 A	Brown	Hand tool (ND)
F7/A	10 A	Red	(+30) Hazard lights and horn
F7/B	10 A	Red	Aux 12 volt stereo radio, cab interior light
F7/C	6 A	Black	Front windshield wiper
F8/A	15 A	Blue	Outer rear work lights
F8/B	15 A	Blue	Inner rear work lights
F8/C	15 A	Blue	Outer rear work lights

Special Bi Metal, re-seating Fuse

RELAYS

K1	Transmission shuttle lever relay
K2	Parking brake buzzer, back-up alarm relay
K3	Safety start relay
K4	Loader return to dig relay
K5	
K6	Inner front work lights relay
K7	Inner rear work lights relay
K8	Outer front work lights relay
K9	Outer rear work lights relay
K10	Reverse shuttle relay
K11	Forward shuttle relay
K12	Turn signal and hazard lights flasher

BUZZER

BZ1	Warning buzzer
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CONNECTORS

CN	Main harness connections into fuse board
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