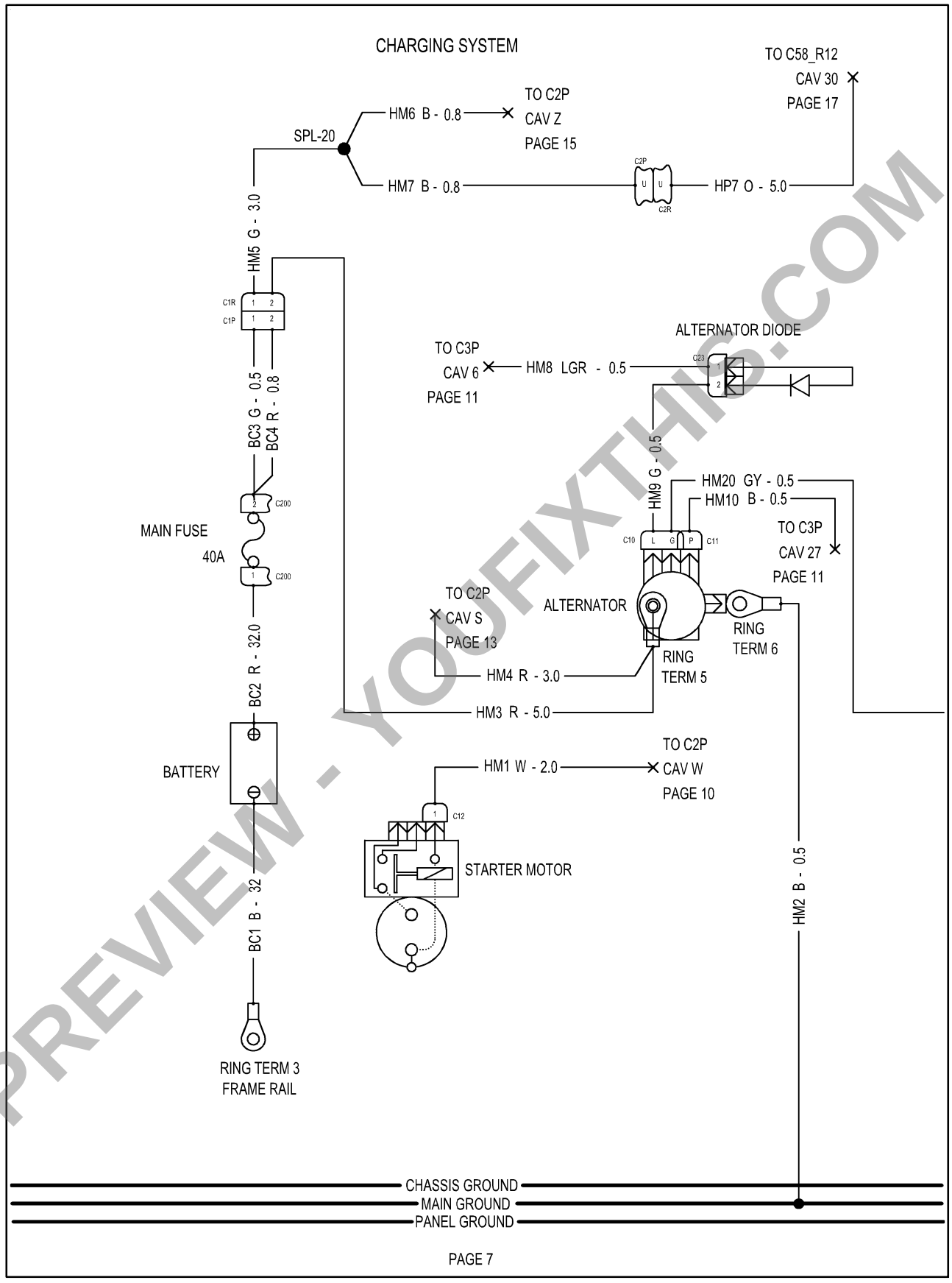


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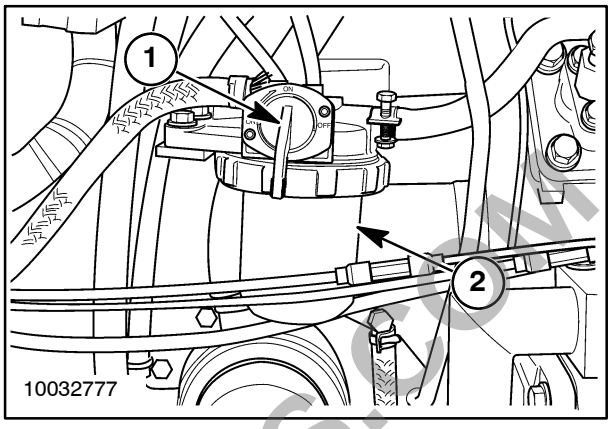
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FUEL FILTER

Draining the Fuel Filter

NOTE: *The fuel filter should be drained after every 100 hours of operation.*

1. Make sure there is adequate fuel in the fuel tank and close the fuel shutoff valve, 1 (the handle should be pointing to the “OFF” position). Remove the fuel sediment bowl, 2.
2. Open the fuel shutoff valve until all water has been removed and only fuel flows from the filter base.
3. Install the fuel sediment bowl and bleed the system as outlined in “Bleeding the Fuel System.”



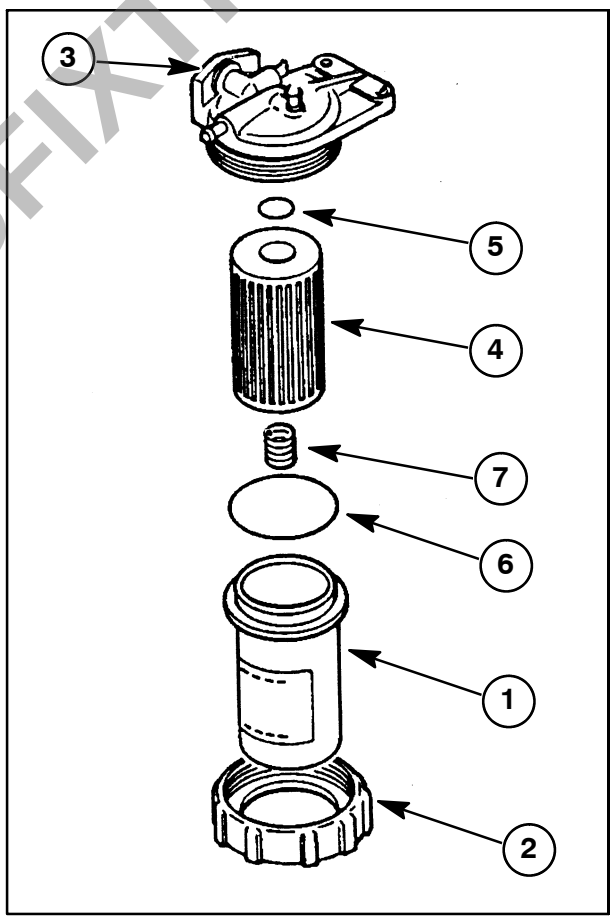
8

NOTE: *Valve is shown in open position.*

Changing the Fuel Filter

NOTE: *Change the diesel fuel filter after the first 50 hours of operation, then following every 200 operating hours thereafter.*

1. Close the shutoff valve (the handle should be pointing to the “OFF” position).
2. Remove the sediment bowl, 1, by rotating the retaining nut, 2.
3. Open the fuel shutoff valve, 3, to drain any remaining water from the tank.
4. Discard the old element, 4, and install a new element.
5. Inspect the O-rings, 5 and 6, and replace if necessary.
6. Install spring, 7, between bottom of element and fuel bowl.
7. Install and securely tighten the sediment bowl retaining nut.
8. Open the fuel shutoff valve (the handle should be pointing to the “ON” position), 3, so fuel will flow to the filter.
9. Bleed the fuel filter and injection pump as described below in “Bleeding the Fuel System.”



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MINIMUM HARDWARE TIGHTENING TORQUES

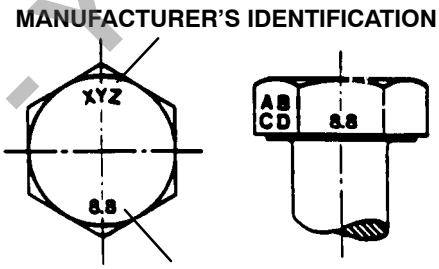
IN NEWTON-METERS (FOOT POUNDS) FOR NORMAL ASSEMBLY APPLICATIONS

METRIC NON-FLANGED HARDWARE AND LOCKNUTS

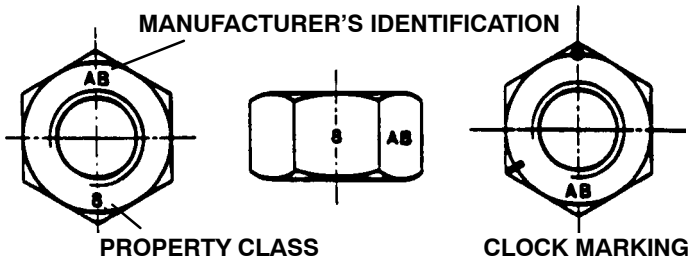
NOMINAL SIZE	CLASS 5.8		CLASS 8.8		CLASS 10.9		LOCKNUT CL.8 W/CL8.8 BOLT
	UNPLATED	PLATED W/ZnCr	UNPLATED	PLATED W/ZnCr	UNPLATED	PLATED W/ZnCr	
M4	1.7 (15)*	2.2 (19)*	2.6 (23)*	3.4 (30)*	3.7 (33)*	4.8 (42)*	2.3 (20)*
M6	5.8 (51)*	7.6 (67)*	8.9 (79)*	12 (102)*	13 (115)*	17 (150)*	7.8 (69)*
M8	14 (124)*	18 (159)*	22 (195)*	28 (248)*	31 (274)*	40 (354)*	19 (169)*
M10	28 (21)	36 (27)	43 (32)	56 (41)	61 (45)	79 (58)	38 (28)
M12	49 (36)	63 (46)	75 (55)	97 (72)	107 (79)	138 (102)	66 (49)
M16	121 (89)	158 (117)	186 (137)	240 (177)	266 (196)	344 (254)	164 (121)
M20	237 (175)	307 (226)	375 (277)	485 (358)	519 (383)	671 (495)	330 (243)
M24	411 (303)	531 (392)	648 (478)	839 (619)	897 (662)	1160 (855)	572 (422)

NOTE: Torque values shown with * are inch pounds.

IDENTIFICATION
HEX CAP SCREW AND CARRIAGE BOLTS
CLASSES 5.6 AND UP



HEX NUTS AND LOCKNUTS
CLASSES 05 AND UP

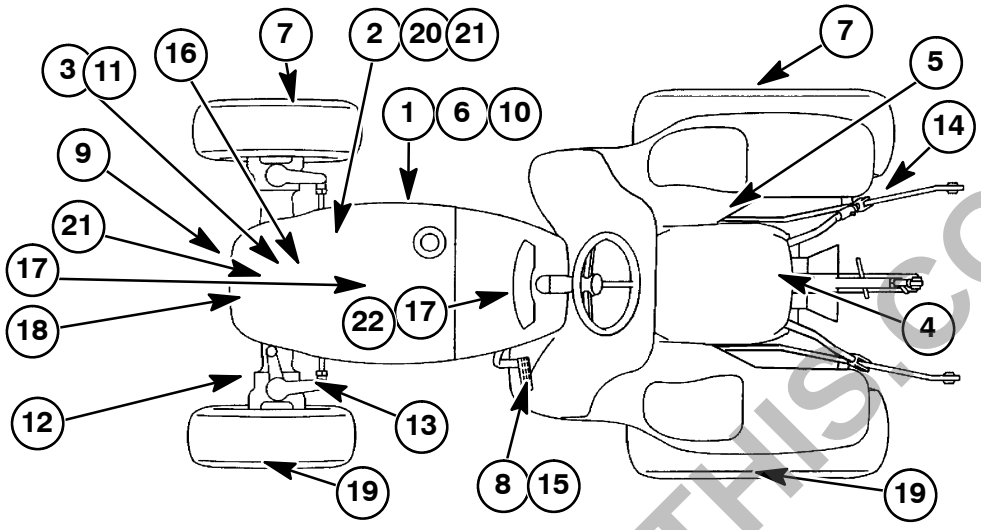


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LUBRICATION AND MAINTENANCE CHART
CASE IH DX55, DX60 - FRONT-WHEEL DRIVE



56065593

1

NO.	LUBRICATION & MAINTENANCE ITEMS	CHECK	CLEAN	LUBE	CHANGE	ADJUST	SERVICE INTERVALS
1	Engine Oil Level	X					Every
2	Air Cleaner	X					10
3	Radiator Coolant	X					Hours or
4	Transmission Oil Level	X					Daily
5	Hydraulic Filter				X		First
1, 6	Engine Oil & Filter				X		50
7	Tire Pressure	X			X		Hours
10	Fuel Filter						
19	Wheel Bolt Torque	X					
—	All Fluid Levels	X					
8	Brake Pedal Free Play	X					
7	Tires	X					Every
8	Brake Pedal Free Play	X					50
9	Battery	X					Hours
11	Fan Belt	X					
12	Front Axle Oil Level	X					
	Lubrication Fittings:						
13	Steering Linkage			X			
14	3-Point Linkage			X			
15	Brake Pedal Shaft			X			
16	Power Steering Cylinder			X			
17	Drive Cover Shaft			X			
18	Axle Pivot Shaft			X			
22	Brake Pedal Cross Shaft			X			

NO.	LUBRICATION & MAINTENANCE ITEMS	CHECK	CLEAN	LUBE	CHANGE	ADJUST	SERVICE INTERVALS
1, 6	Engine Oil & Filter				X		Every
2	Air Cleaner Element		X				100
10	Fuel Filter		X				Hours
8	Brake Pedal Free play					X	Every
10	Fuel Filter Element				X	X	200
11	Fan Belt						Hours
19	Wheel Bolt Torque	X					
4	Transmission Oil				X		Every
5	Hydraulic Filter				X		300
12	Front Axle Oil				X		Hours
20	Fuel Injector	X				X	Every 600
21	Valve Clearance	X				X	Hours
2	Air Cleaner Element				X		Seasonal
3	Radiator Coolant				X		
2	Safety Air Filter Element				X		Every 3rd Primary Element Change or Every **1000** Hours, Whichever Comes First

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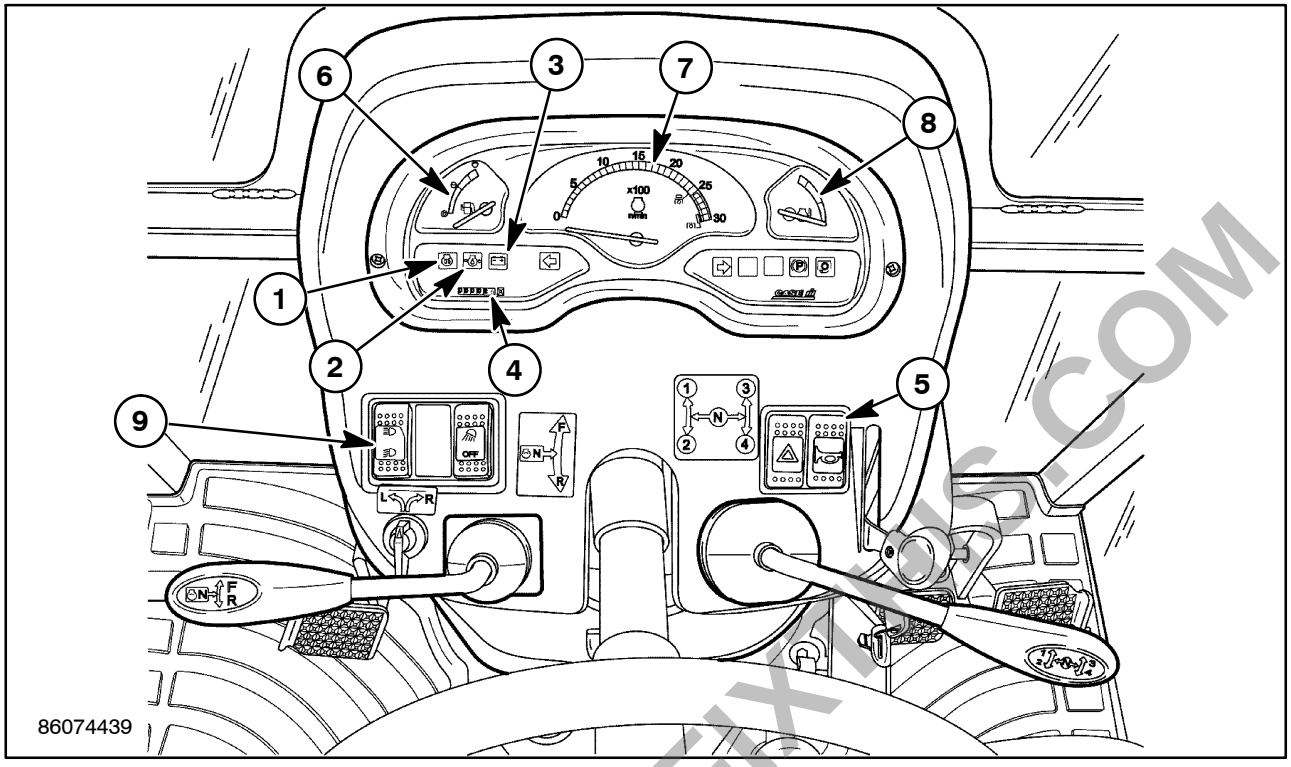
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SECTION 4
SPECIFICATIONS

	Model DX55	Model DX60
ENGINE		
Type/Model	Diesel/N844L-T	Diesel/844L-T
Engine Gross Horsepower	41.0 kw (55 HP)	44.7 kw (60 HP)
Cylinders	4	4
Bore	84 mm (3.31 in)	84 mm (3.31 in)
Stroke	100 mm (3.94 in)	100 mm (3.94 in)
Displacement	2.2 L (135.2 cu in)	2.2 L (135.2 cu in)
Compression Ratio	23.4:1	23.4:1
Firing Order	1-3-4-2	1-3-4-2
Low Idle Speed	1000 RPM (± 50)	1000 RPM (± 50)
Maximum Speed:		
High Idle	2900 RPM (± 50)	3000 RPM (± 50)
Rated	2700 RPM (± 50)	2800 RPM (± 50)
CAPACITIES		
Fuel Tank	60.0 liters/ 16.0 U.S. gals	60.0 liters/ 16.0 U.S. gals
Cooling System	9.0 liters/ 9.5 U.S. qts	9.0 liters/ 9.5 U.S. qts
Engine Crankcase:		
With Filter	7.0 liters/ 7.4 U.S. qts	7.0 liters/ 7.4 U.S. qts
Rear Axle & Transmission (Includes Hydraulics)	EHSS 46.0 liters/ 12.1 U.S. gals	EHSS 46.0 liters/ 12.1 U.S. gals
	SSS 38.0 liters/ 10 gals	SSS 38.0 liters/ 10 gals
Power Steering	1.8 liters/ 1.9 U.S. qts	1.8 liters/ 1.9 U.S. qts
Front Axle Final Reduction /Differential Gear Case	5.8 liters/ 6.1 U.S. qts	5.8 liters/ 6.1 U.S. qts

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INSTRUMENT CONTROL PANEL

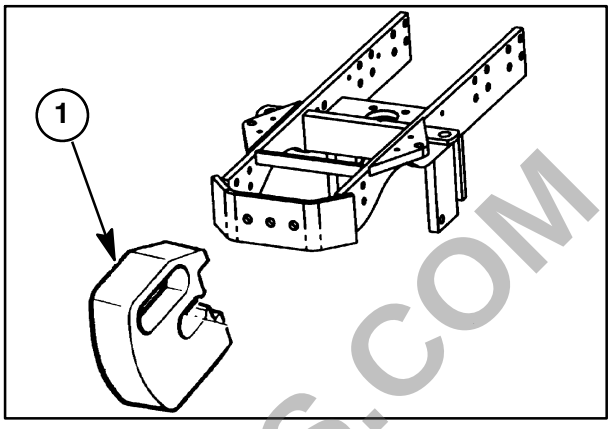
1. **Cold Starting Indicator Light** - Illuminates when the key switch is turned to the “ACC/RUN” position. It remains lit for approximately four seconds when the key is in position, during which time the glow plugs are heating the precombustion chambers of the cylinder head.
2. **Engine Oil Pressure Warning Light** - Illuminates with the key switch in the “ACC/RUN” position and remains lit for a short period of time after the engine is started. The light indicates oil pressure only, and goes out when sufficient oil pressure is present at the oil sender. If the bulb lights during operation, stop the tractor engine immediately and investigate the cause.
3. **Battery Charge Warning Light** - Illuminates when the key switch is in the “ACC/RUN” position and goes out when the engine is started. If this bulb lights during operation, it indicates that the charging system is not operating normally. As the battery can become fully discharged under these conditions, the problem should be investigated as soon as possible.
4. **Proof Meter** - Records the hours and portions of hours that your tractor has been operated, regardless of engine RPM. Use the proof meter as a guide to determine hourly service and maintenance intervals.
5. **Horn Switch** - Horn will be activated when switch is pushed into the front position, with the key in any position.
6. **Fuel Gauge** - Indicates the amount of diesel fuel remaining in the tank. The gauge is activated when the key switch is in the “ACC/RUN” position. It will resister “empty” with the key switch in the “STOP” position.
7. **Tachometer** - Registers engine RPM (Revolutions Per Minute) The gauge is marked in increments of 100 and will return to zero when the engine is not running.
8. **Temperature Gauge** - Indicates coolant temperature. It is activated when the key switch is turned to the “ACC/RUN” position. The gauge will register “cold” with the key switch in the “STOP” position. If the needle registers in the green range of the gauge, this indicates a normal operating temperature. If the needle moves to the red portion of the gauge, indicating an overheated condition, stop the tractor engine IMMEDIATELY and investigate the cause.
9. **Road Light Switch** - The lights will remain “OFF” with the switch in the rear position. When the switch is placed in the middle position, the instrument panel lamps and taillights will be illuminated. With the switch placed in the front position, the road lights, instrument panel lamps and taillight will be illuminated.

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CAST IRON WEIGHTS (OPTIONAL)

Cast iron weights, 1, are available as accessories from your Case IH Dealer. Weights can be mounted on the front end of the tractor and on the rearmost wheels.

27 kg (60 lb) - #710215016
45 kg (100 lb) - #718215036



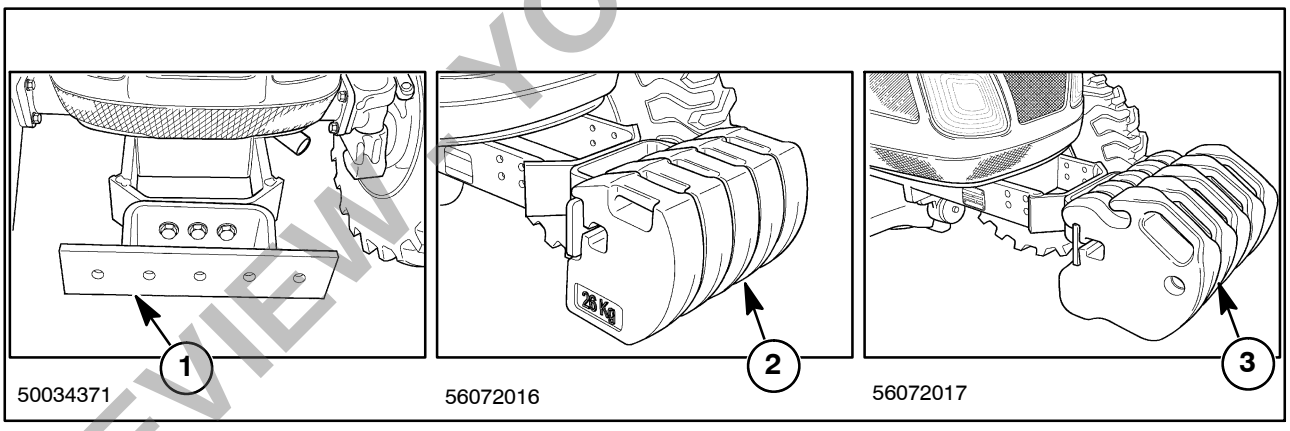
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Front Frame Mounted Weights

Tire Type	Weight(s)
Agricultural, Turf, & Industrial	Maximum of (2) weights per tractor @ 27.3 kg (60 lb) each- 54.6 kg (120 lb) total Optional: (2) weights @ 45 kg (100 lb) each - 90 kg (200 lb) total

Optional Front Weight Extension Bracket

If additional front weights are needed for counterbalancing a rear mounted implement, an optional front weight extension bracket, 1, (#718233006) can be installed to the front of the tractor. With the extension bracket installed, a maximum of (5) 27kg (60 lb), 2, or (5) 45 kg (100 lb), 3, weights can be installed.



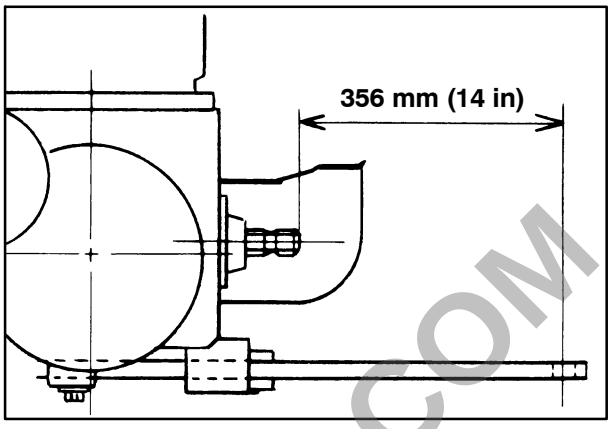
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IMPORTANT: *The extendable drawbar is required to provide standard rear PTO drawbar relationship.*



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TOWING THE TRACTOR

Place the transmission levers in neutral to tow the tractor. Do not exceed 20 kph (12 mph).

⚠ WARNING ⚠

For safety reasons, never attempt to start the engine by towing. Additionally, towing the tractor on highways is not recommended for safety reasons.

TOWING

⚠ WARNING ⚠

Operator should exercise caution when towing vehicles and adhere to the following guidelines:

Attach or pull towed vehicles from tractor drawbar only.

1. For towed vehicles without brake system:
   a. Do not exceed transport speed of 32 kph (20 mph).
   b. Do not exceed fully loaded mass (weight) of 1.5 times the mass (weight) of the towing unit.
2. For towed vehicles with brake system:
   a. Do not exceed transport speed of 40 kph (25 mph).
   b. Do not exceed fully loaded mass (weight) of 4.5 times the mass (weight) of the towing unit.

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PRECAUTIONARY STATEMENTS

PERSONAL SAFETY

Throughout this manual and on machine decals, you will find precautionary statements ("**DANGER**", "**WARNING**", and "**CAUTION**") followed by specific instructions. These precautions are intended for the personal safety of you and those working with you. Please take the time to read them.

DANGER

This word "DANGER" indicates an immediate hazardous situation that, if not avoided, will result in death or serious injury. The color associated with Danger is RED.

WARNING

This word "WARNING" indicates a potentially hazardous situation that, if not avoided, could result in death or serious injury. The color associated with Warning is ORANGE.

CAUTION

This word "CAUTION" indicates a potentially hazardous situation that, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices. The color associated with Caution is YELLOW.

FAILURE TO FOLLOW THE "DANGER", "WARNING", AND "CAUTION" INSTRUCTIONS MAY RESULT IN SERIOUS BODILY INJURY OR DEATH.

MACHINE SAFETY

The precautionary statement ("**IMPORTANT**") is followed by specific instructions. This statement is intended for machine safety.

IMPORTANT: *The word "IMPORTANT" is used to inform the reader of something he needs to know to prevent minor machine damage if a certain procedure is not followed.*

INFORMATION

NOTE: *Instructions used to identify and present supplementary information.*

ASAE S441.3 FEB04
ISO 11684

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FEDERAL EMISSIONS WARRANTY

(California owner's emissions warranty is covered elsewhere)

CNH UK Ltd warrants that your new 1996 and later heavy-duty off-road diesel engine was designed, built, and equipped to conform to applicable U.S. Environmental Protection Agency regulations for a period of use of five years or 3,000 hours of operation, whichever occurs first.

The new model year, class of diesel engine, and emission application determination for your engine are identified on the emission control information label affixed to the engine. The warranty period begins on the date the new equipment is sold to the first retail purchaser.

Any emission control system parts which are proven defective during normal use will be repaired or replaced during the warranty period. The warranty repairs and service will be performed by any authorized CNH dealer at the dealer's place of business, with no charge for parts or labor (including diagnosis).

As the engine owner, you are responsible to perform all the required maintenance listed in your owner's manual. CNH UK Ltd will not deny an emission warranty claim solely because you have no record of maintenance; however, a claim may be denied if your failure to perform maintenance resulted in the failure of a warranted part. Receipts covering regular maintenance should be retained in the event of questions and these receipts should be passed on to each subsequent owner of the engine.

It is recommended replacement parts used for maintenance or repairs be CNH Service Parts to maintain the quality originally designed into your emission certified engine. The use of non-CNH parts does not invalidate the warranty on other components unless the use of such parts causes damage to warranted parts.

CNH UK Ltd wishes to assure the emission control systems warranty is being properly administered. If you believe you have not received the service entitled to under this warranty, you should contact the nearest CNH Office for assistance. The address and phone number of each Office is in your equipment owner's manual. If additional assistance or information is needed, contact:

Service Department
CNH America, LLC
500 Diller Avenue
New Holland, PA 17557
(717) 355-1121

Please note that the Emission Warranty does not cover:

1. Systems and parts that were not first installed on the new equipment or engine as original equipment by CNH UK Ltd.
2. Part malfunctions caused by abuse, misuse, improper adjustment, modification, alteration, tampering, disconnection, improper or inadequate maintenance, or use of non-recommended fuels and lubricating oils.
3. Accident caused damage, acts of nature, or other events beyond CNH UK Ltd's control.
4. Replacement of expendable items made in connection with scheduled maintenance.
5. Parts requiring replacement, inspection or adjustment maintenance intervals for reasons other than being defective.
6. Parts which are not CNH Service Parts.
7. Loss of time, inconvenience, loss of use of equipment/engine or commercial loss.
8. Equipment with altered or disconnected hourmeter where the hours cannot be determined.
9. Equipment normally operated outside the United States.
10. Non-defective parts replaced by other than CNH dealers.

Coverage

This emission control system warranty applies only to the following emission control parts.

Electronic Control Unit
Fuel Injection Pump
Fuel Injectors
Turbocharger
Intake Manifold
Exhaust Manifold
Boost Pressure Tubing-connection to Aneroid Device ON F.I.P.

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⚠ WARNING ⚠

Fuel oil in the injection system is under high pressure and can penetrate the skin. Unqualified persons should not remove or attempt to adjust a pump, injector nozzle, or any part of the fuel injection system.

- **Do not use your hand to check for leaks. Use a piece of cardboard or paper to search for leaks.**
- **If any fluid is injected into the skin, obtain medical important immediately or gangrene may result.**

Failure to follow these instructions can result in serious injury.

Refueling the Tractor

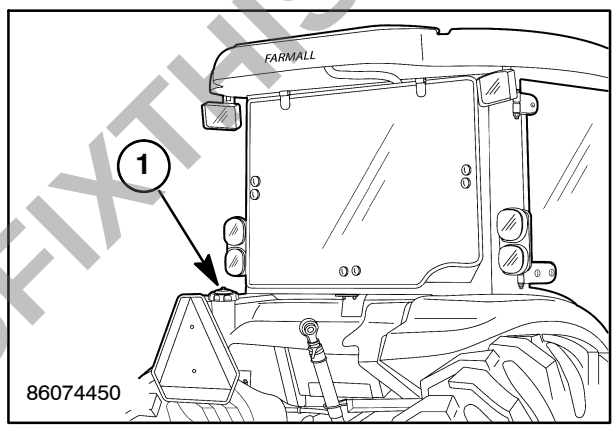
The fuel tank filler cap, 1, is located at the rear of the front hood. Before removing the cap, wipe all dust and dirt from around the cap to prevent debris from falling into the tank while filling.

Use an approved fuel container and check the inside of the container periodically for cleanliness. Fuel tank capacity is 51 L (13.5 U.S. gal).

NOTE: *The fuel cap is a vented-type. Use only an approved Case IH replacement cap to prevent fuel system-related problems.*

If there is no filter on the storage tank or fuel container, filter the fuel through a 100-mesh or finer screen when filling the tractor fuel tank. Keep the tractor tank as full as possible (without filling to capacity) to minimize condensation.

NOTE: *It is a good practice to fill the fuel tank at the end of each day, as this will reduce overnight condensation.*



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