Titan 4020
Titan 4520
Floater

OPERATOR'S MANUAL

Part number 84339359
5th edition English
August 2010
Replaces part number 84233433

CASE IH AGRICULTURE

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HVAC Control System

HVAC Control Switch (ATC Switch)

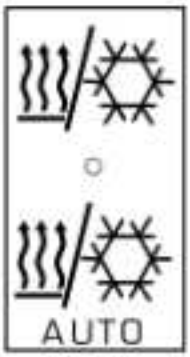
This three position detented switch selects the mode of operation:

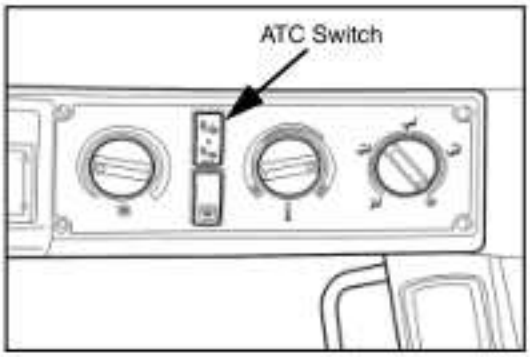
Auto: Press the bottom of the switch to activate the automatic temperature control (ATC) when heating or cooling is desired.

OFF: Press the center of the switch to turn the system OFF.

This is a fresh air mode where ambient outside air is circulated in the cab. The operator controls blower speed and mode door operation.

Manual: Press the top of the switch to activate the manual mode of operation. In this position the operator sets all HVAC functions.



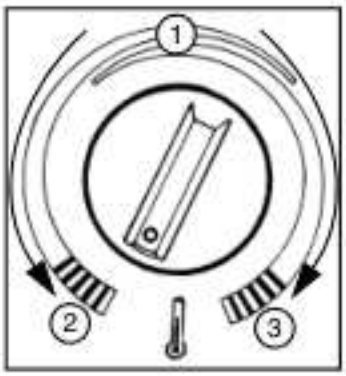


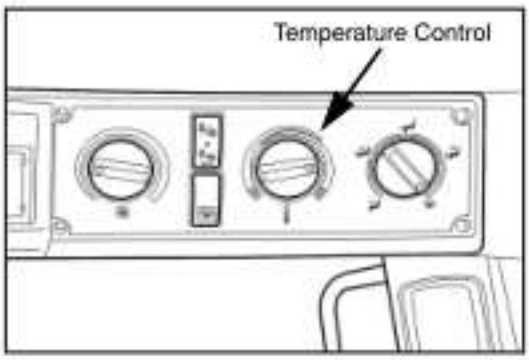
Temperature Control

Manual: Turn the control knob clockwise to raise cab temperature. Turn the knob counterclockwise to lower the cab temperature.

Auto: Moving the temperature control in the ATC range (1) will control selected temperature in the 15° to 32° C (60° to 90° F) range automatically. The selected temperature and Auto will appear on the ICU display. Moving the control to the maximum cooling zone (2) will cause the system to leave automatic operation and provide the systems maximum cooling capacity. Blower speed automatically increases to the highest setting. Moving the control out of the Max zone returns the system to automatic operation.

Moving the control to the maximum heating zone (3) causes the system to leave automatic operation and provide the systems maximum heating capacity. Blower speed automatically increases to the highest setting. Moving the control out of the MAX zone returns the system to automatic operation.





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Before Starting The Engine

Before starting your unit, make the following checks. Also see the Lubrication/Filters/Fluids/Maintenance section in this manual.

- Make sure the unit is properly lubricated and greased as described in the Lubrication/Filters/Fluids/Maintenance section of this manual.
- Check the engine oil level, engine coolant level, and transmission oil level. See Lubrication/Filters/Fluids/Maintenance Section in this manual.
- Check that the vehicle fuel tank is filled with clean fuel that has the specifications given in this manual, see Fuel Specifications in the Maintenance section.
- Check the engine, transmission, fuel and cooling system for air or oil leaks.
- Remove any water or sediment from the water trap of the fuel tank and primary fuel filter, refer to Draining Water From Fuel Filter and Draining Water From Fuel Tank in the Maintenance section of this manual.
- Check the air pressure of the tires and check the wheel bolt torques.

WARNING: *Before starting the engine, be sure all operating controls are in neutral or park position. This will eliminate accidental movement of the machine or start up of power driven equipment. Failure to comply could result in death or serious injury.*

WARNING: *DO NOT use starting fluid. AN EXPLOSION MAY OCCUR. Failure to comply could result in death or serious injury.*

WARNING: *Never operate the engine in a closed building. Proper ventilation is required under all circumstances. Failure to comply could result in death or serious injury.*

Run-in Procedure

If run-in instructions for a new engine are not followed, damage to piston rings and the cylinder bores could occur.

Load

During the first twenty hours of operating the unit in the field, operate in one gear lower than normal. Do Not "lug" the engine. To prevent "lugging", put the transmission in a lower gear range. A new engine must not be "lugged" below the rated revolutions per minute.

No Load

Do not run the engine at idle speed. When operating the engine without a load, you can maintain the correct engine operating temperature if you run the engine at approximately 1500 revolutions per minute.

A/C Compressor Belt Tension

Check the belt tension after the first 50 hours of operation. See COMPRESSOR BELT CHECK and ADJUSTMENT in this manual for instructions and regular service intervals.

Front/Rear Wheel Bolts

After the first 30 minutes of operation and again each 10 hours of operation until the bolt torques stabilize, check the front and rear wheel bolts. Tighten all wheel bolts to the torque given in the TORQUE REQUIREMENTS section in this manual. See page 119.

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Check tire inflation every 10 hours.

NOTICE: *Abbreviations used below are defined as follows: mph = miles per hour, km/h = kilometers per hour, psi = pounds per square inch, kPa = kiloPascal, lbs = pounds, kg = kilograms.*

30 MILES PER HOUR MAXIMUM SPEED

Alliance Guidelines

Tire Size	Ply Rating Load Rating	Maximum Tire Pressure	Maximum Speed at Maximum Tire Load		
			30 mph (48 km/h)	20 mph (32 km/h)	10 mph (16 km/h)
750/45R26.5 (54 x 30R26.5)	170E	40 psi (276 kPa)	10059 lbs (4563 kg)	11961 lbs (5425kg)	13589 lbs (6164 kg)

Firestone Guidelines

Tire Size	Ply Rating Load Rating	Maximum Tire Pressure	Maximum Speed at Maximum Tire Load		
			30 mph (48 km/h)	20 mph (32 km/h)	10 mph (16 km/h)
66 x 43.00-25	16	40 psi (276 kPa)	13200 lbs (5989 kg)	14800 lbs (6715 kg)	17400 lbs (7895 kg)
1050/50R25 (66 x 43R25)	172B	40 psi (276 kPa)	13900 lbs (6307 kg)	15600 lbs (7078 kg)	18300 lbs (8303 kg)
73 x 44.00-32	16	40 psi (276 kPa)	15200 lbs (6897 kg)	17000 lbs (7713 kg)	20100 lbs (9120 kg)

Goodyear Guidelines

Tire Size	Ply Rating	Maximum Tire Pressure	Maximum Speed at Maximum Tire Load		
			30 mph (48 km/h)	20 mph (32 km/h)	10 mph (16 km/h)
54 x 31.00R26	147A8/B	30 psi (207 kPa)	6800 lbs (3085 kg)	7615 lbs (3455 kg)	8975 lbs (4072 kg)
1000/50R25	172A8/B	35 psi (241 kPa)	13900 lbs (6306 kg)	15560 lbs (7063 kg)	18348 lbs (8325 kg)
1050/50R32	178A8/B	35 psi (241 kPa)	16500 lbs (7486 kg)	18480 lbs (8385 kg)	21780 lbs (9882 kg)

Michelin Guidelines

Tire Size	Ply Rating Load Rating	Maximum Tire Pressure	Maximum Speed at Maximum Tire Load		
			30 mph (48 km/h)	20 mph (32 km/h)	10 mph (16 km/h)
1000/50R25 (66 x 43.00R25)	172B	35 psi (241 kPa)	13890 lbs (6300 kg)	14860 lbs (6740 kg)	18610 lbs (8440 kg)
1050/50R32 (73 x 44.00R32)	178B	35 psi (241 kPa)	16540 lbs (7500 kg)	17710 lbs (8030 kg)	22180 lbs (10050 kg)

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