Titan 3020
Titan 3520
Floater

OPERATOR'S MANUAL

Part number 84339360
5th edition English
August 2010
Replaces part number 84233434

CASE IH AGRICULTURE

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HVAC Control System

HVAC Control Switch (ATC Switch)

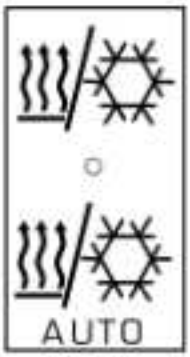
This three position detented switch selects the mode of operation:

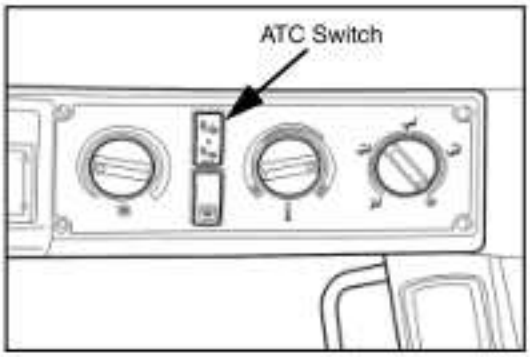
Auto: Press the bottom of the switch to activate the automatic temperature control (ATC) when heating or cooling is desired.

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.



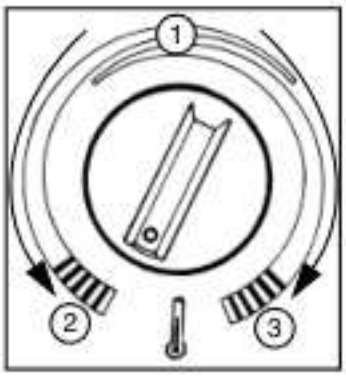


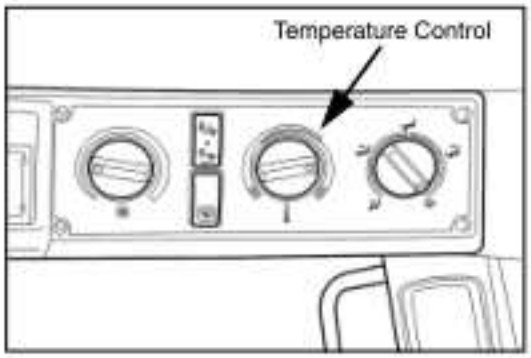
Temperature Control

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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Engine Oil and Filter Change

NOTICE: *Service interval can be extended to 300 hours if Case oil and oil filters are used.*

To change the engine oil, put the chassis on level ground, set park brake, stop the engine and remove the key.

NOTICE: *For best results change the oil when engine is warm.*

NOTICE: *Dispose of oil and filters in accordance with local regulations. DO NOT drain the oil on the ground, into a drain, or put into a container that can leak. Be responsible for the environment.*

1. Put a proper size container under the drain plug. Remove the drain plug and drain the oil. Use caution when draining hot oil.
2. Turn the oil filter counterclockwise with a strap wrench to remove.
3. Apply clean oil to the gasket on the new filter. Install the filter. Turn the filter clockwise until the gasket comes in contact with the filter head. Tighten the filter an additional one half turn by hand.

NOTICE: *DO NOT use a filter wrench to install the oil filter, damage to the gasket and filter could result.*

4. Install a new seal on the drain plug. Install the drain plug in the crankcase and tighten.
5. Fill with the correct grade of engine oil, to the correct level, see engine oil selection.

NOTICE: *The engine oil level dipstick is only a guide. When you fill the engine crankcase with oil always measure the amount of oil you install.*

Engine Oil Level

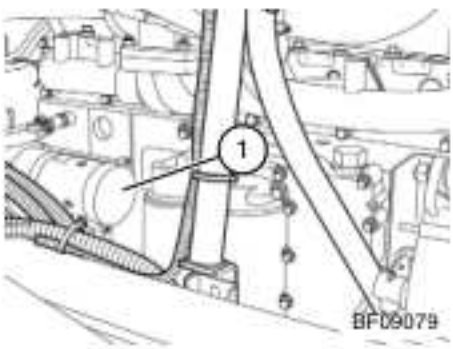
Check the level and condition of the engine oil every 10 hours.

To check the engine oil level:

- With a warm engine, park the chassis on level ground and stop the engine.
- Wait for 15 minutes for the oil to settle before checking the oil level.
- Make sure the dipstick is pushed completely down before checking the oil level.
- If the oil level is below the ADD mark, add oil, through the filler tube, to raise the oil level to the FULL mark. **Do not** raise the oil level above the FULL mark.

Starter

Make sure the starter terminals stay clean and not corroded. They leave the factory with a water-resistant coating on them. The starter (1) is on the right side of the engine.



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Item	Titan 3520 Specification	
Engine	9 liter, 365 horsepower @ 2100 revolutions per minute	
Transmission	Allison 3000 RDS 6 speed automatic w/2 speed Fabco aux	
Rear Axle	Axle Tech PRC 674 2 speed with wheel end planetary	
Front Axle	4.52 inch (115 millimeter) solid shaft, 2.76 inch (70 millimeter) axle bearings	
Frame	12 x 4 x 0.3125 inches HSLA cold formed steel main frame with high strength reinforcement plates.	
Dimensions	Wheelbase	268 inches (6.8 meters)
	Cab to Axle	114 inches (2.89 meters)
	Cab to end of frame	149 inches (3.78 meters)
	Overall length	338 inches (8.58 meters)
	Overall width	138 inches (3.5 meters)
	Overall height	142.5 inches (3.62 meters) with 66/66 tires
	Weight	22,860 pounds (10,369 kilograms)
Chassis Vehicle Rated Capacity	Front axle (static)	14,000 pounds (6,350 kilograms)
	Rear Axle (static)	34,000 pounds(15,422 kilograms)
	Total (static)	48,000 pounds GAWR (21,772 kilograms)
Brakes	Front	Air (36 cubic inch chamber) over hydraulic applied 28 inch. (711 millimeter) disc brake w/dual piston floating caliper
	Rear	Air applied 16.5 x 5 inch with 36 cubic inch chambers
	Park	Spring applied, air release
Tires	Front	Firestone: 66 x 43-25 bias, 16 ply 1050/50R25 radial Goodyear: 1000/50R25 Michelin: 1000/50R25 radial
	Rear	Firestone: 66 x 43-25 bias, 16 ply 1050/50R25 radial 73 x 44-32 bias, 16 ply Goodyear: 1000/50R25 1050/50R32 Michelin: 1000/50R25 radial 1050/50R32 radial
Steering	Hydraulic w/flow control pump and load sensing dual displacement steering valve.	
Fuel Capacity	150 gallon (568 liter)	
Battery	Two 12-volt heavy-duty, low maintenance, 950 CCA	
Cab	113 cubic feet (3.2 cubic meters) of interior space and 67 square feet (6.22 square meters) of tinted glass; Laminated front windshield; Optima air seat with swivel, lumbar, ride firmness, side to side and fore/aft shock isolation adjustment, Right adjustable arm rest control center that moves with the seat; Right-hand swing out window; Tilt/telescoping steering column and soft grip steering wheel; Climate control, A-post mounted instrumentation; AM/FM weather band radio with CD player; Lighted controls with red spectrum right hand console lighting, map light and two dome lights; Two speed front wiper/washer; Five auxiliary power outlets; Front and rear visor; Auxiliary controller mounting points on A-pillar.	
Paint	Roof, bottom and side panels, hood and frame: Two part urethane. Cab metal parts: Thermal set acrylic.	

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