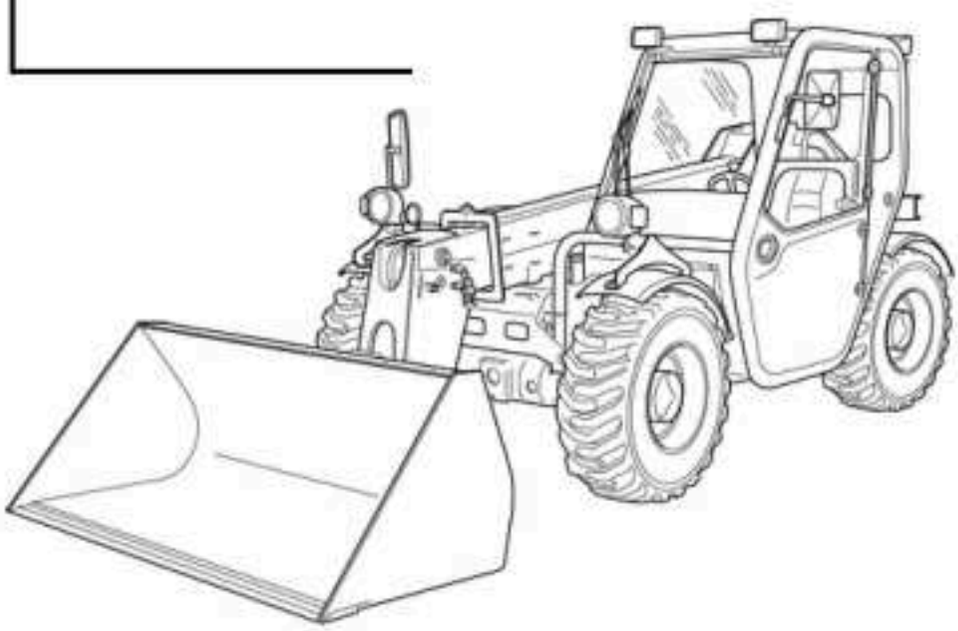
T2250

S/N A859 11001 & Above

Bobcat®

SERVICE MANUAL



6986740-EN (07-08)

Bobcat

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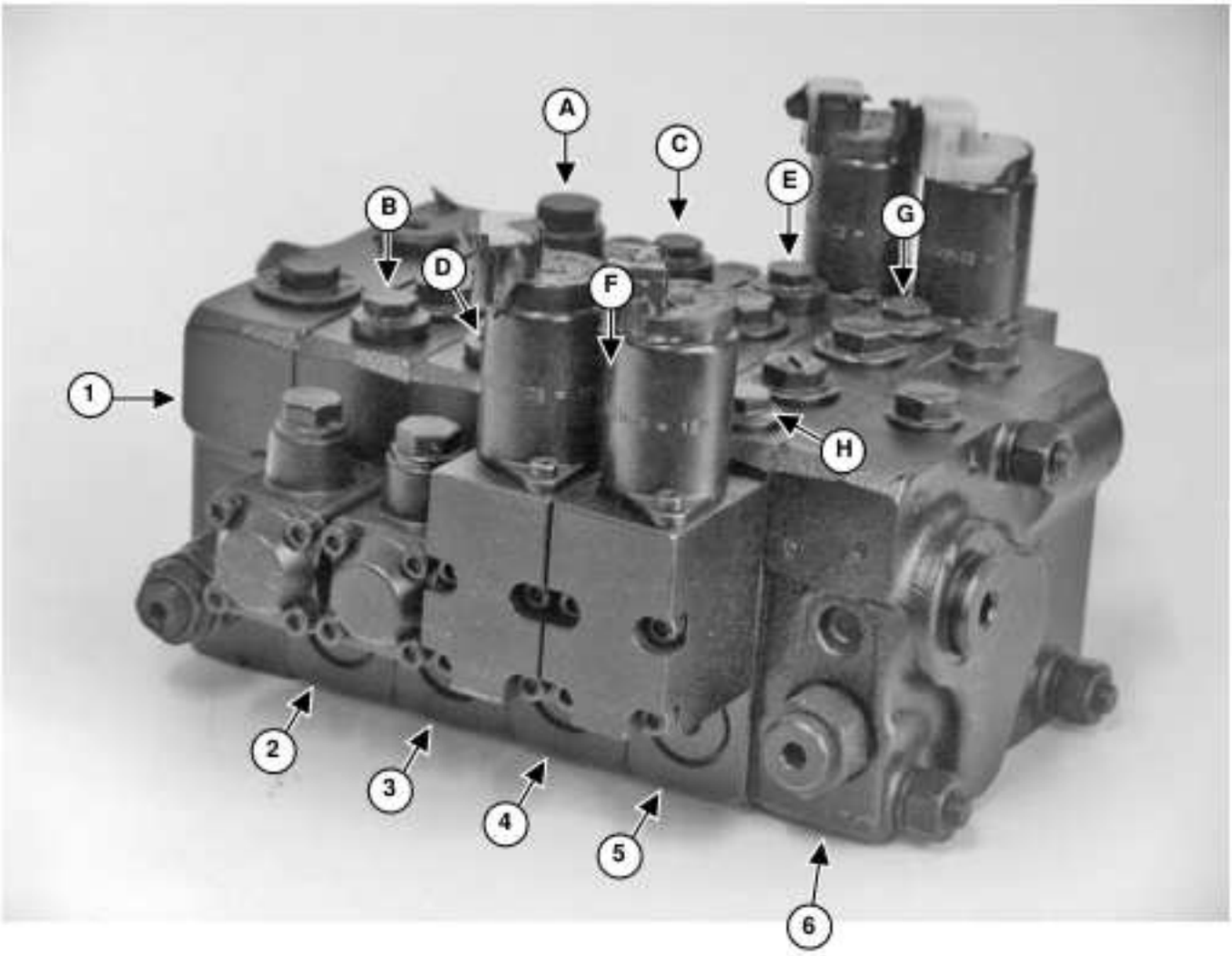
SPECIFICATIONS SPEC-01

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Parts Identification

1. Inlet-Outlet Valve Section
2. Lifting Valve Section
3. Tilting Valve Section
4. Telescoping Valve Section
5. Auxiliary Valve Section
6. End Housing

A Port Relief Valve (3771 PSI (260 bar))
B Port Relief Valve (3191 PSI (220 bar))
C Port Relief Valve (2756 PSI (190 bar))
D Port Relief Valve (3554 PSI (245 bar))
E Port Relief Valve (2538 PSI (175 bar))
F Port Relief Valve (3046 PSI (210bar))
G Port Relief Valve (3191 PSI (220 bar))
H Port Relief Valve (3191 PSI (220 bar))



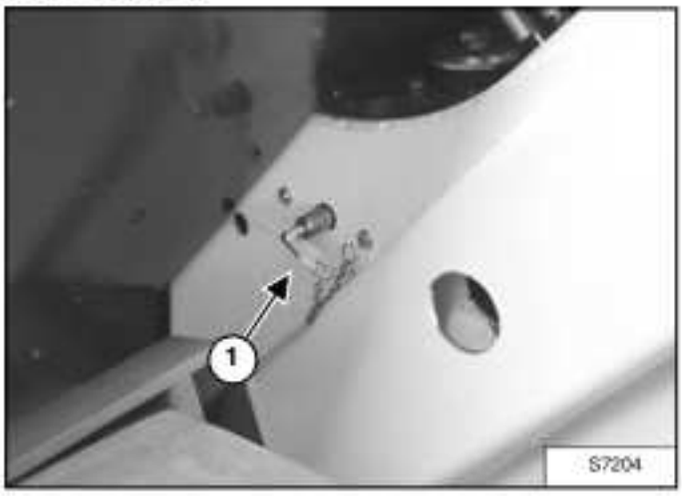
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FRONT WIPER MOTOR

Removal And Installation

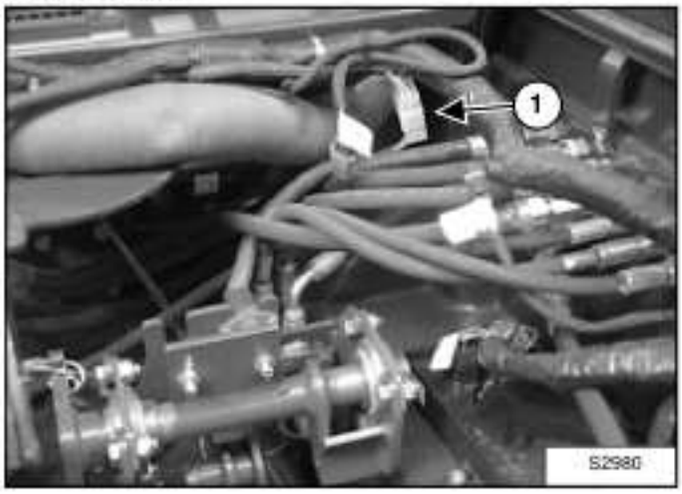
Figure 60-110-1



Rotate the battery disconnect switch (Item 1) **[Figure 60-110-1]** to the right, to disconnect the power supply from the battery.

Remove the dash cover/steering column cover. (See Removal And Installation on Page 50-130-1.)

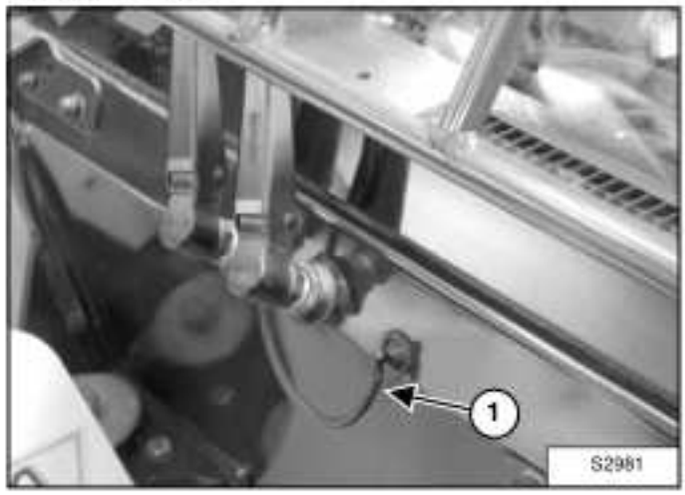
Figure 60-110-2



Disconnect the front wiper connector (Item 1) **[Figure 60-110-2]** from the main harness.

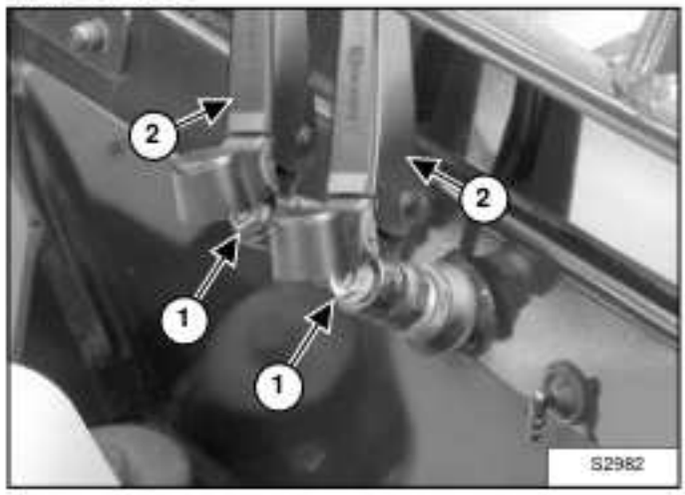
Reposition the main wire harness to the right side of the cab.

Figure 60-110-3



Remove the spray tube (Item 1) **[Figure 60-110-3]**.

Figure 60-110-4



Flip open the wiper covers and remove the two nuts (Item 1) **[Figure 60-110-4]**.

Remove the wiper arms (Item 2) **[Figure 60-110-4]** from the wiper motor shafts.

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Chart

Blower motor does not operate

POSSIBLE CAUSE	INSPECTION	SOLUTION
1. Blown Fuse.	Inspect the fuse/wiring.	Replace fuse/repair wiring.
2. Broken wiring or bad connection.	Check the fan motor ground and connectors.	Repair the wiring or connector.
3. Fan motor malfunction.	Check the lead wires from the motor with a circuit tester.	Replace Evaporator/Blower Unit.
4. Fan motor switch malfunction.	Check power into and out of the fan switch.	Replace Fan Switch.

Blower motor operates normally, but air flow is insufficient

Possible Cause	Inspection	Solution
1. Evaporator inlet obstruction	Check evaporator for plugging.	Remove obstruction and clean evaporator fins with air or water.
2. Defective thermo. switch (frozen evaporator).	Check thermostat using a circuit tester.	Replace Evaporator/Blower unit.

Insufficient cooling although air flow and compressor operation are normal

POSSIBLE CAUSE	INSPECTION	SOLUTION
1. System low on refrigerant.	The high side pressure will be low and bubbles may be present in sight glass on receive drier.	Repair any leaks and recharge the refrigerant to the correct level.
2. Excessive refrigerant.	The high pressure side pressure will be high.	Use refrigerant recovery equipment to capture excess refrigerant. Charge to the correct refrigerant level.

The compressor does not operate at all, or operates improperly

POSSIBLE CAUSE	INSPECTION	SOLUTION
1. Loose drive belt.	The belt is vibrating or oscillating.	Adjust tension.
2. Internal compressor malfunction.	The compressor is locked up and the belt slips.	Replace compressor.
	Magnetic clutch related	
3. Low battery voltage.	Clutch slips.	Recharge the battery.
4. Faulty coil.	Clutch slips.	Replace the magnetic clutch.
5. Oil on the clutch surface.	Clutch slips.	Replace or clean the clutch surface.
6. Open coil.	Clutch does not engage and there is not reading when a circuit tester is connected between the coil and terminals.	Replace clutch.
7. Broken wiring or poor ground.	Clutch will not engage. Inspect the ground and connections.	Repair.
8. Wiring harness components.	Test the conductance of the pressure switch, thermostat, Relay, etc.	Check operation.

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V417-cab
Serial number : ATMK11020 and above
V417-can
Serial number : ATML11020 and above

TILT CYLINDER
AUXILIARY
RESERVOIR
AUXILIARY RELEASE VALVE
OIL COOLER
RETURN FILTER
Speed Amplification ratio 1.23:1
TELESCOPIC CYLINDER
SELF LEVELLING CYLINDER
HYDROSTATIC PUMP
LOAD HOLDING VALVE
BOOM CYLINDER
SPOOL VALVE BLOCK
REMOTE FILTER
BOOM FLOAT VALVE
FRONT AXLE
HYDROSTATIC BY-PASS VALVE
HYDROSTATIC MOTOR
GEAR PUMP
REAR AXLE
STEERING VALVE
STEERING UNIT
SERVICE BRAKE
PARKING BRAKE VALVE
CONTROL VALVE
JOYSTICK

REV	DESCRIPTION	CHG NOTICE	N GA(D) APPROVAL	DR SHEET	12/11/07 DATE
+	add/delete drive pump parts				

THIRD ANGLE PROJECTION

METRIC FORMAT

MFG	NG – 18/06/07	APPR	EM – 12/11/07
ECO			
LAST PRINT DATE			

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