85XT, 90XT, 95XT Skid Steers

Operators Manual

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CASE CONSTRUCTION

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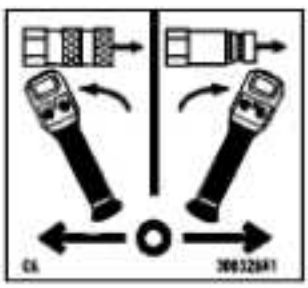
AUXILIARY HYDRAULIC ATTACHMENT CONTROLS
FOOT CONTROLS
(If Equipped)



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1. AUXILIARY HYDRAULIC FLOW CONTROL LEVER

This lever controls the hydraulic flow to the front attachment when the foot controls are in use. Move the lever either to the right or to the left depending on the direction of flow required. When the lever is released, it will return to the OFF position.



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1. AUXILIARY HYDRAULIC FLOW CONTROL LEVER DECAL

NOTE: *If the attachment operates opposite than described, reverse the two hose connections at the attachment and mark the hoses to avoid further confusion.*

IMPORTANT: *Always read the auxiliary attachment manual before making the hydraulic connections and operating the attachment.*

NOTE: *Always clean hydraulic hose couplers prior to making connections. Hydraulic hose couplers are provided on the left loader lift arm.*

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OPERATING IN COLD WEATHER

Cold weather conditions require specific procedures. During these conditions, your machine will require special attention to prevent serious damage. Cold weather maintenance will extend the service life of your machine.

NOTE: *Before you work the machine, see Preventing Damage to the Hydrostatic System in Cold Weather, page 101.*

1. BATTERY AND ELECTRICAL SYSTEM:
Clean the battery and make sure the battery is at full charge. Inspect the battery cables and terminals. Clean and spray the terminals with battery terminal protector to prevent corrosion.

NOTE: *A fully charged battery at -17°C (0°F) has only 40 percent of the normal starting power. When the temperature falls to -29°C (-20°F), the battery has only 18 percent of its power remaining.*

If distilled water is added to the battery when the temperature is below 0°C (32°F), charge the battery or run the engine for approximately two hours. This procedure will prevent battery freezing.

2. LUBRICANTS:
Use the correct viscosity oil in each component. As an example: SAE 30 engine oil at 0°C (32°F) increases the starting load by about 250 percent. Make sure you follow the recommended oil and filter service schedule as shown in this manual.

3. DIESEL FUEL SYSTEM:
Check with your fuel supplier for the correct cold weather fuel. Diesel engine power will be reduced if wax particles are in the fuel filter.

Cold temperature operation can cause moisture condensation in the fuel tank. Keep the fuel tank full and check for water frequently. See Fuel Tank instructions, page 173. Failure to remove water from the fuel may result in an inoperative engine and damage to the fuel system.

4. COOLING SYSTEM:
Check the coolant mixture before you operate in cold temperatures. A mixture of 50% ethylene glycol and 50% water must be used in this machine. This mixture is used if the lowest ambient temperature is above -37°C (-34°F). If the ambient temperature is lower, adjust the mixture to 60% ethylene glycol and 40% water. It is recommended that ethylene glycol and water be used in your machine all year.

5. COLD TEMPERATURE STARTING AIDS:
See your Case dealer for extra starting aids such as a block heaters or the thermostart start system, page 208.

6. PRIMING THE TURBOCHARGER OIL LINES WITH OIL:
In cold weather, after several weeks of storage, or after the engine oil filter has been replaced, prime the turbocharger oil lines with oil.

A. Disconnect the electrical connector to the injection pump solenoid. This will prevent the engine from starting.

B. Make sure all persons are clear of the machine. Turn the key switch to START and actuate the starter for about 10 to 15 seconds.

C. Reconnect the electrical connector to the injection pump solenoid.

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LUBRICATION/MAINTENANCE CHART

PAGE NUMBER	SERVICE POINTS	SERVICE INTERVAL IN HOURS				
		CHECK	LUBRICATE	CHECK	CLEAN	REPLACE
	Engine Area				AR	
163	Air Cleaner - dust valve and cup (1 point)				AR	
181	High Flow/High Pressure Filter (1point)					AR
139	Wheel Nut Torque (32 points) (See Note 1)	AR				
138	Tire Pressure (4 points)	AR				
154,154	Bucket Pivot Points (4 points) (See Note 2)		10			
168	Hydraulic Oil Cooler (1 point)				10	
159	Engine Oil Level (1 point)	10				
177	Hydraulic Reservoir Oil Level (1 point)	10				
169	Engine Coolant Reservoir (1 point) (See Note 3)	10				
197	Brake Engagement Function	10				
198	Seat Presence Function	10				
197	Seat Restraint Bar Function	10				
154,154	Loader Arm Pivot Points (12 points) (See Note 2)		10			
156	Attachment Coupler Latch Pins (2 points) (See Note 2)		250			
170	Radiator Coolant Level (1 point) (See Note 3	250				
160	Engine Oil and Filter (1 point) (See Note 4)					250
218	Battery Fluid Level/Clean (1 point)			250		
N/A	A/C Function (If Equipped)			250		
N/A	A/C Belt Tension (If Equipped)			250		
174	Fuel Filter (1 point)			250		
199	Drive Chain Tension (4)			250		
174	Fuel Filter (1 point)					500
175	In-Line Fuel Filter (1 point)					500
180	Hydraulic Oil Filter (1 point) (See Note 5)					500
180	Hydrostatic Oil Filter (1 point) (See Note 5)					500
205	ROPS (See Note 6)	500				
204	Seat Belt (See Note 6)	500				

AR = As Required

NOTE 1: *Torque to 224 to 265 Nm (165 to 195 lb/ft) for flange type lug nuts. Torque to 135 to 163 Nm (100 to 120 lb/ft) for tapered type lug nuts.*

NOTE 2: *Use Case Molydisulfide.*

NOTE 3: *Use 50% Water/50% Ethylene Glycol.*

NOTE 4: *Use No.1 Case 15W-40*

NOTE 5: *Or when filter lamp illuminates*

NOTE 6: *Inspect*

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