TROUBLESHOOTING

Electrical System

Problem	Possible Cause	Remedy
Entire electrical system does not function.	Battery disconnect switch is OFF.	Turn battery disconnect switch to ON.
	15 ampere breakers are tripped.	Check circuit and locate trouble before resetting breaker.
	Main wiring harness connectors at rear of ROPS not properly plugged in.	Check main harness connectors.
	Battery terminals or cables are loose or corroded.	Clean battery terminals and cables and retighten them.
	Battery is faulty.	Test battery and replace as needed.
No instrument panel lamps with keyswitch turned to "ON."	15 ampere breaker tripped.	Check circuit and locate trouble before resetting breaker.
	Battery terminals or cables are loose or corroded.	Clean battery terminals and cables and retighten them.
Seatbelt buzzer not sounding when key turned to "ON," indicator lamps work properly.	Buzzer is disconnected.	Reconnect wires to buzzer.
	Faulty buzzer.	Replace buzzer.
Fuel gauge does not work.	Faulty fuel gauge sender.	Replace fuel gauge sender.
	Faulty fuel gauge.	Replace fuel gauge.
	Loose wiring/terminal connections.	Verify wiring connections.
Engine temperature gauge does not work.	Faulty temperature sender.	Replace temperature sender.
	Faulty temperature gauge.	Replace temperature gauge.
	Loose wiring/terminal connections.	Verify wiring connections.
Hourmeter does not work.	Loose wiring/terminal connections.	Verify wiring connections.
	Faulty alternator.	Repair the alternator.
	Faulty hour meter.	Replace hour meter.

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SPECIFICATIONS

Loader Specifications

Operating Weight	
3635	4400 lb (1996 kg)
3935	4600 lb (2087 kg)
Shipping Weight	
3635	3970 lb (1801 kg)
3935	4170 lb (1892 kg)
SAE Rated Operating Load[1]	
3635	1050 lb (476 kg)
3935	1260 lb (572 kg)
Engine	
Make	Yanmar
Model	3TNV88
Displacement	100 in^3 (1.64 L)
Horsepower (net) @ 3000 rpm	36.7 hp (27.4 kW)
Peak Torque @ 1600 rpm	79 lb-ft (107 N·m)
Hydraulic System (theoretical)	
Main Hydraulic System Pressure	2750 psi (345 bar)
Standard Flow Rating	14.5 gpm (55 L/min)
Capacities	
Chaincase (each)	
3635	4.5 U.S. gal (17 L)
3935	5.0 U.S. gal (19 L)
Engine Oil	5.0 U.S. qts (4,8 L)
Fuel Tank	8.5 U.S. gal (32,2 L)
Hydraulic Reservoir	8.0 U.S. gal (30 L)
Sound (with Deluxe Sound Kit)	
Pressure Level (Operator Ear)	85 dB(A)
Power Level (Environmental)	103 dB(A)

[1] Operating load rated with a 54" (1372 mm) dirt/construction bucket in accordance with SAE J818.

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MAINTENANCE SCHEDULE

This Maintenance Interval Chart was developed to match the *Service* chapter of this manual. Detailed information on each service procedure may be found in the *Service* chapter. A Maintenance Log follows the chart for recording the maintenance performed. Recording the 10 hour (or daily) service intervals would be impractical and is therefore not recommended.

Important: *Under severe operating conditions more frequent service than the recommended intervals may be required. You must decide, based on your use, if your operation requires more frequent service.*

Maintenance Interval Chart

Service Procedure	Maximum Interval		
	10 Hours (or Daily)	250 Hours	500 Hours (or Yearly)
Check Engine Air Cleaner Restriction Indicator (p45)	●		
Check Engine Oil Level (p46)	●		
Check Hydraulic Oil Level (p47)	●		
Check Tire Pressures (p52)	●		
Grease Lift Arm, Hitch and Cylinder Pivots (p44)	●		
Check Bucket Cutting Edge (p51)	●		
Check Seat and Restraint Bar Operation (p51)	●		
Check Coolant Level (p49)	●		
Clean Cooling System (p49)		●	
Check Wheel Nuts Torque (p51)	❍	●	
Check Oil Level in Chaincases (p50)		●	
Clean Spark Arrestor Muffler (p51)		●	
Check Alternator/Fan Belt Tensions (p51)		●	
Change Engine Oil and Filter (p46)	□	●	
Change Hydraulic Oil Filter (p48)	□		●
Check Battery (p53)			●
Check Engine Mounting Hardware (p47)			●
Change Fuel Filter (p47)			●
Change Hydraulic Oil (p48)			♦
Change Chaincase Oil (p50)	□		♦
Drain/Flush Cooling System (p49)			●

❍ Perform the initial procedure at 2 hours then at "●" intervals.
□ Perform the initial procedure at 50 hours then at "●" intervals.
♦ Perform the procedure at 1000 hours.

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OPERATION

WARNING Before starting the engine and operating the loader, review and comply with all safety recommendations in the *Safety* chapter of this manual. Know how to stop the loader before starting it. Also, be sure to fasten and properly adjust the seatbelt and lower the operator restraint bar.

Before Starting the Engine

Before starting the engine and running the loader, refer to the *Controls and Safety Equipment* chapter and familiarize yourself with the various operating controls, indicators and safety devices on the loader.

Starting the Engine

The following procedure is recommended for starting the engine:

1. Carefully step up onto the back of the bucket or attachment and grasp the ROPS hand holds to get into the operator's compartment.
2. Fasten the seatbelt and lower the restraint bar.
3. Verify the following:
   - » the lift/tilt, drive and auxiliary controls are in their neutral positions
   - » the brake is on
4. Push the throttle lever forward to half speed.

Note: *When the key is turned to the RUN position, an indicator will light on the instrument panel and a buzzer will sound momentarily to remind you to check that your seatbelt is fastened.*

5. Turn the keyswitch to the START position.

Important: *Do not engage the starter for longer than 15 seconds at a time. Longer use can overheat and damage the starter. Allow the starter to cool for 20 seconds between uses.*

After the engine starts, allow a sufficient warm-up time before attempting to operate the controls.

Important: *If the warning lights do not go off, stop the engine and investigate the cause.*

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CONTROLS and SAFETY EQUIPMENT

CAUTION **Become familiar with and know how to use all safety devices and controls on the skid steer loader before operating it. Know how to stop loader operation before starting it. This Gehl loader is designed and intended to be used only with a Gehl attachment or a Gehl-approved referral attachment or accessory. Gehl cannot be responsible for operator safety if the loader is used with a non-approved attachment.**

Guards and Shields

Whenever possible and without affecting loader operation, guards and shields are provided to protect against potentially hazardous areas. In many places, safety decals are also provided to warn of potential hazards and/or to display special operating procedures.

WARNING **Read and thoroughly understand all safety decals on the loader before operating it. Do not operate the loader unless all factory-installed guards and shields are properly secured in place.**

Operator Restraint Bar

Lower the restraint bar after entering the operator's compartment. The restraint bar is securely anchored to the ROPS. The restraint bar switch is wired in series with the seat switch forming an interlock for the lift arm, tilt, drive and starter circuits (refer to the "Safety Interlock System" topic on page 17 for more information).

WARNING **Never defeat the operator restraint bar or seat switch electrically or mechanically. Always wear your seatbelt.**

Operator's Seat

The seat is mounted on rails for backward or forward repositioning. A spring-loaded latch handle activates the seat adjustment mechanism.



Fig. 1: Operator's Seat

1. Restraint Bar
2. Seatbelt
3. Seat Adjustment Lever
4. Suspension Seat Knob (optional)

Suspension seat (optional): A weight adjustment knob is provided with this seat for operator comfort.

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Attachment Mounting

The Gehl loader is equipped with a two-pin All-Tach™ attaching mechanism (hitch) for mounting a bucket or other attachment. Two latch levers secure the attachment. Rotate the levers until they are horizontal to engage the lock pins. Rotate the levers until they are vertical to disengage the lock pins.

WARNING To prevent unexpected attachment release from the hitch, be sure to secure the lock pins by rotating the levers downward into a horizontal position.



Fig. 15: All-Tach™ Attaching Mechanism (Hitch)

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WARNING **Park the truck or trailer on a level surface. Be sure the vehicle and its ramps have the weight capacity to support the loader. Make sure the vehicle surface and its ramps are clear of debris and slippery material that may reduce traction. Move the loader on and off the vehicle ramp slowly and carefully. Failure to follow these instructions could result in an overturn accident.**

Observe all local regulations governing the loading and transporting of equipment. Ensure that the hauling vehicle meets all safety requirements before loading the skid loader.

1. Place blocks at the front and rear of the hauling vehicle's tires.
2. If the loader has an attachment, lift it slightly off the ground.
3. Back the loader slowly and carefully up the ramp onto the vehicle.
4. Lower the loader attachment to the vehicle deck, turn off the engine and remove the key.
5. Fasten the loader to the hauling vehicle at the points indicated by the tie-down decals.
6. Measure the clearance height of the loader and hauling vehicle. Post the clearance height in the cab of the vehicle.

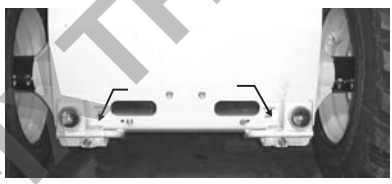


Fig. 22: Front Tie Downs

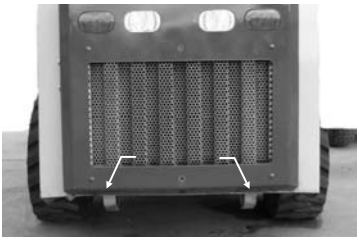


Fig. 23: Rear Tie Downs

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TORQUE SPECIFICATIONS

Use these torque values when tightening hardware (excluding: locknuts, and self-tapping, thread forming and sheet metal screws) unless otherwise specified.

UNIFIED NATIONAL THREAD	GRADE 2		GRADE 5		GRADE 8	
	DRY	LUBED	DRY	LUBED	DRY	LUBED
8-32	19*	14*	30*	22*	41*	31*
8-36	20*	15*	31*	23*	43*	32*
10-24	27*	21*	43*	32*	60*	45*
10-32	31*	23*	49*	36*	68*	51*
1/4-20	66*	50*	9	75*	12	9
1/4-28	76*	56*	10	86*	14	10
5/16-18	11	9	17	13	25	18
5/16-24	12	9	19	14	25	20
3/8-16	20	15	30	23	45	35
3/8-24	23	17	35	25	50	35
7/16-14	32	24	50	35	70	55
7/16-20	36	27	55	40	80	60
1/2-13	50	35	75	55	110	80
1/2-20	55	40	90	65	120	90
9/16-12	70	55	1120	80	150	110
9/16-18	80	60	120	90	170	130
5/8-11	100	75	150	110	220	170
5/8-18	110	85	180	130	240	180
3/4-10	175	130	260	200	380	280
3/4-16	200	150	300	220	420	320
7/8-9	170	125	430	320	600	460
7/8-14	180	140	470	360	660	500
1-8	250	190	640	480	900	680
1-12	270	210	710	530	1000	740

METRIC COARSE THREAD	GRADE 8.8		GRADE 10.9		GRADE 12.9	
	DRY	LUBED	DRY	LUBED	DRY	LUBED
M6-1	8	6	11	8	13.5	10
M8-1.25	19	14	27	20	32.5	24
M10-1.5	37.5	28	53	39	64	47
M12-1.75	65	48	91.5	67.5	111.5	82
M14-2	103.5	76.5	145.5	108	176.5	131
M16-2	158.5	117.5	223.5	165.5	271	200

*All Torque Values are in ft-lbs except those marked with an * which are in in-lbs.

For metric torque value (N·m) multiply ft-lbs value by 1.355 or the in-lbs value by 0.113.

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