Form No.
907234

3725/3825
4525/4625
Skid Loaders

3725 Gasoline SN7001 & Later
3825 Diesel SN9901 & Later

4525 Gasoline SN8827 & Later
4625 Diesel SN19720 & Later

OPERATOR'S MANUAL

GEHL

GEHL

WARRANTY

GEHL COMPANY, hereinafter referred to as Gehl, warrants new Gehl equipment to the Original Retail Purchaser to be free from defects in material and workmanship for a period of twelve (12) months from the Warranty Start Date.

GEHL WARRANTY SERVICE INCLUDES:

Genuine Gehl parts and labor costs required to repair or replace equipment at the selling dealer's business location.

GEHL MAKES NO REPRESENTATIONS OR WARRANTIES OF ANY KIND, EXPRESS OR IMPLIED (INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSE), EXCEPT AS EXPRESSLY STATED IN THIS WARRANTY STATEMENT.

GEHL WARRANTY SERVICE DOES NOT INCLUDE:

1. Transportation to selling dealer's business location or, at the option of the Original Retail Purchaser, the cost of a service call.
2. Used equipment.
3. Components covered by their own non-Gehl warranties, such as tires, trade accessories and engines.
4. Normal maintenance service and expendable, high wear items.
5. Repairs or adjustments caused by: improper use; failure to follow recommended maintenance procedures; use of unauthorized attachments; accident or other casualty.
6. Liability for incidental or consequential damages of any type, including, but not limited to lost profits or expenses of acquiring replacement equipment.

No agent, employee or representative of Gehl has any authority to bind Gehl to any warranty except as specifically set forth herein. Any of these limitations excluded by local law shall be deemed deleted from this warranty; all other terms will continue to apply.

TABLE OF CONTENTS

IDENTIFICATION INFORMATION

Write your Gehl Loader Model and Serial Numbers in the space provided below. Refer to these numbers when inquiring about parts or service from your Gehl dealer.

The Model and Serial Numbers for this Loader are on a Decal located inside the right Chassis Riser, between the Lift Arm and Lift Cylinder.

CHAPTER 1
INTRODUCTION

The information in this Operator's Manual was written to give the owner/operator assistance in preparing, adjusting, maintaining and servicing of the Loader. More importantly, this manual provides an operating plan for safe and proper use of the machine. Major points of safe operation are detailed in the **SAFETY** chapter of this manual. A chart depicting standard hardware torques is located on the inside back cover.

The GEHL Company asks that you read and understand the contents of this manual COMPLETELY and become familiar with your new machine, BEFORE attempting to operate it.

Throughout this manual, information is provided which is set in *italic* type and introduced by the word **NOTE**. Be sure to read carefully and comply with the message or directive given. Following this information will improve your operating or maintenance efficiency, help you to avoid breakdowns or damage and extend your machine's life.

A plastic container is provided on the unit for storing the Operator's Manual. After using the Manual, please return it to the container and keep it with the unit at all times! If this machine is resold, **GEHL** Company recommends that this Manual be given to the new owner.

"Right" and "left" are determined from a position sitting on the Seat and facing forward. From this position:

If your Loader is T-Bar Controlled: the Propulsion (Traction) Control T-Bar is on the "*left*" and the Lift/Tilt Control T-Bar is on the "*right*".

If your Loader is Hand/Foot Controlled: The *"left"* T-Bar controls the Propulsion (Traction) on the left side of the machine. The *"right"* T-Bar controls Propulsion (Traction) on the right side of the machine. The *"left"* Foot Pedal controls the Lift. The *"right"* Foot Pedal controls the Tilt.

Our wide Dealership network stands by to provide you with any assistance you may require, including genuine **GEHL** service parts. All parts should be obtained from or ordered through your **GEHL** Dealer. Give complete information about the part and include the model and serial numbers of your machine. Record the serial number in the space provided on the previous page, as a handy record for quick reference.

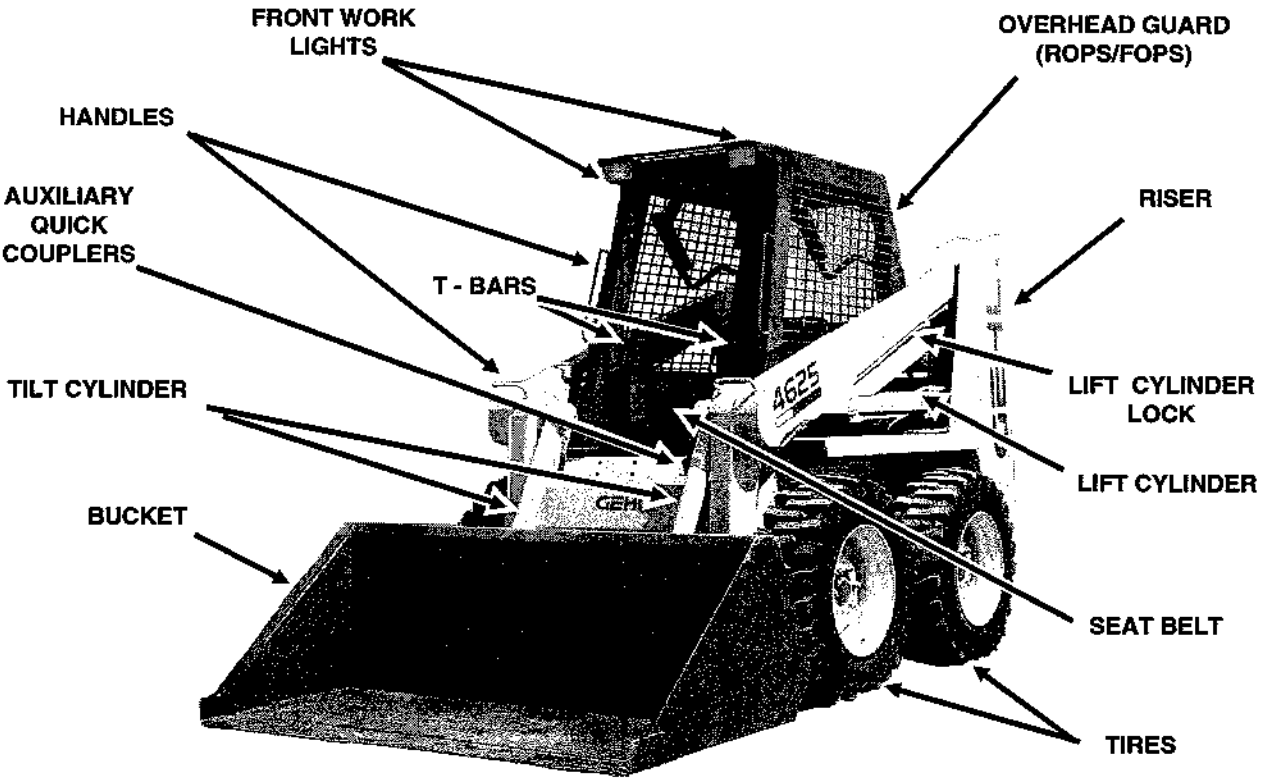
GEHL Company reserves the right to make changes or improvements in the design or construction of any part without incurring the obligation to install such changes on any unit previously delivered.

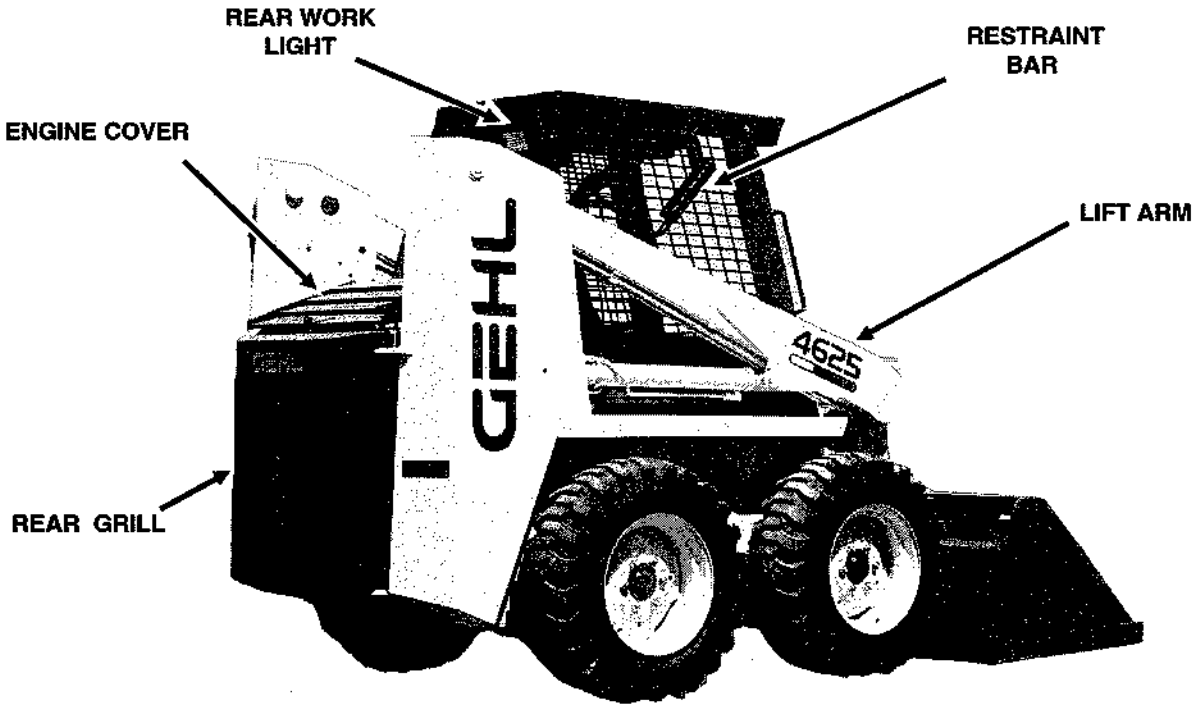
The GEHL Company, in cooperation with the American Society of Agricultural Engineers and the Society of Automotive Engineers, has adopted this

SAFETY ALERT SYMBOL

to pinpoint characteristics which, if NOT properly followed, can create a safety hazard. When you see this symbol in this manual or on the machine itself, you are reminded to BE ALERT! Your personal safety is involved!

Loader Identification





CHAPTER 2
SPECIFICATIONS

All Dimension are in Inches (Millimeters) Unless Otherwise Noted

SL3725/3825 Specifications

Skid Loader Models: 3725, 3825, 3825SX

Engines:

3725 ..... Ford VSG411I
67 CID (1.1 liter), Gasoline Powered, Rated at:
SAE 35 hp (26 kW) @ 3000 RPM (Gross).
with 60 lb-ft (81 Nm) Torque @ 2500 RPM

3825, 3825SX ..... **Kubota V1305E**
81 CID (1.3 liter), Diesel Powered, Rated at:
SAE 29.3 hp (22kW) @ 2800 RPM (Gross),
with 65 lb-ft (88 Nm) Torque @ 2000 RPM

Electrical System Characteristics:
12 volt DC Wet-cell Battery w/470 CCA,
12 volt DC Starter and 30 Ampere Alternator

SAE Operating Capacity: [1] ..... 3725 - 950 lb (432kg)
3825 - 1000 lb (455 kg)

Shipping Weight .....3725 - 3120 lb (1415 kg)
3825 - 3370 lb (1529 kg)
3825SX - 3440 lb (1563 kg)

Volumetric Capacities & Delivery Rates:
Fuel Tank: 8-1/2 Gallons (32 liters)
Hydraulic Reservoir: 8 Gallons (30 liters)
with 10 Micron Filtration
Chaincases: 1 Gallon (3.8 liters) each
Engine Oil: Refer to Lubrication Chapter in this Manual
Cooling System: 8 Quarts (7.6 liters)
Hydraulic System Pump: 10 gpm (38 l/m)

Travel Speed: 0 to 8 mph (0 to 13 kph):

Standard Features
Spark Arrestor Muffler
Tandem-mounted, Direct Drive Hydrostatic Pump
SAE Approved ROPS-FOPS (Overhead Guard)
Gas Spring Assist Rollback ROPS with Lock
Side-mounted, Self-centering Propulsion and Lift/Tilt Control T-bars
Spring Applied Automatic Parking Brake
Hand-operated Throttle
SAE J386 Construction-approved Seat Belt
Operator Secondary Restraint Bar with Arm Rests
Seat and Operator Secondary Restraint Interlock for Starting/Hydraulic System
Lift Cylinder Mechanical Lock
Eye-level Instrument and Control Panel
Hinged Rear Grill & Engine Access Cover
Bellyplate with Cleanout (Access) Cover
Tip-back Radiator **(3825, 3825 SX)**
Quick-tach Single Lever Attachment Locking
Independent Hydraulic Reservoir with Sight Gauge and Strainer
Hand-operated Choke Control **(3725)**
Glow Plug/Starter Timer **(3825, 3825SX)**
Solenoid Valve Lockout of Lift and Tilt Cylinders
Dual-element Air Cleaner [2]
Attachment Self-leveling Lift Action [2]
Front Auxiliary Hydraulics Connections [2]
Operating Lights [2]
Floor Mat [2]
Sound-deadening Package [2]
Rear Window [2]
Foot-operated Throttle [3]
Hydraulic Oil Temperature Monitoring [3]
Hydraulic Oil Filter Condition Monitoring [3]
Hydraulic Oil Pressure Monitoring [3]
Air Cleaner Condition Monitoring [3]
Engine Coolant Temperature Monitoring [3]

Tire Options
7 x 12, Solid Rubber Tire Set
5.7 x 15, 4-ply Tire Set
27 x 8.5 x 15, 4-ply Flotation Tire Set
10.5 x 15, 4-ply Flotation Tire Set
27 x 8.5 x 1, 6-ply Heavy Duty Tire Set

Buckets & Capacities [4]

Width	Bucket Description	Capacity (Heaped) cu ft	cu m
50(1270)	Utility	9.7	.27
54(1372)	Dirt/Construction	8.0	.23
54(1372)	Utility	10.5	.30
54(1372)	Fertilizer	13.0	.37
60(1524)	Utility	11.7	.33
60(1524)	Light Material	14.9	.42
60(1524)	Produce/Snow	16.5	.47

1 Operating capacity rated with 54" (1372) wide Utility Bucket, 27 x 8.50 x 15" Tires and a 175 lb (79 kg) operator in accordance with SAE J818.
2 Standard on 3825SX: optional on 3725 & 3825.
3 Standard on 3825SX.
4 Refer to "Material Densities" topic in Chapter 6 for average weight/volume of various materials.

SL4525/4625 Specifications

Skid Loader Models: 4525, 4625, 4625SX, 4625DX

Engines:

4525 ..... Ford VSG 413
79 CID (1.3 liter), Gasoline Powered, Rated at:
SAE 42 HP (31.3 kW) @ 3000 RPM (Gross),
with 73 lb-ft (98 Nm) Torque @ 3000 RPM

4625, 4625SX, 4625DX ..... Kubota V2203
134 CID (2.2 liter), Diesel Powered, Rated at:
SAE 45.4 HP (33.8 kW) @ 2600 RPM (Gross),
with 108 lb-ft (146 Nm) Torque @ 1600 RPM

Electrical System Characteristics:
12 volt DC Wet-cell Battery w/925 CCA,
12 volt DC Starter and 35 Ampere Alternator

SAE Operating Capacity:[1] ..... 4525 - 1225 lb (557 kg)
4625, 4625SX, 4625DX - 1350 lb (614 kg)

Shipping Weight: ..... 4525 - 4510 lb (2046 kg)
4625 - 4715 lb (2139 kg)
4625SX - 4780 lb (2168 kg)
4625DX - 4860 lb (2209 kg)

Volumetric Capacities & Delivery Rates:
Fuel Tank: 11.2 Gallon (42.3 liter)
Hydraulic Reservoir: 10 Gallon (37.8 liter)
with 4 Micron Filtration
Chaincases: 1.5 Gallon (5.7 liters)each
Engine Oil: Refer to Lubrication Chapter in this Manual

Hydraulic System Pump:
Standard (Single) 18 gpm (68 l/m)
High Flow (Dual) [2] 32 gpm (121 l/m)

Travel Speed: ..... 0 to 7 mph (0 to 11 kph)

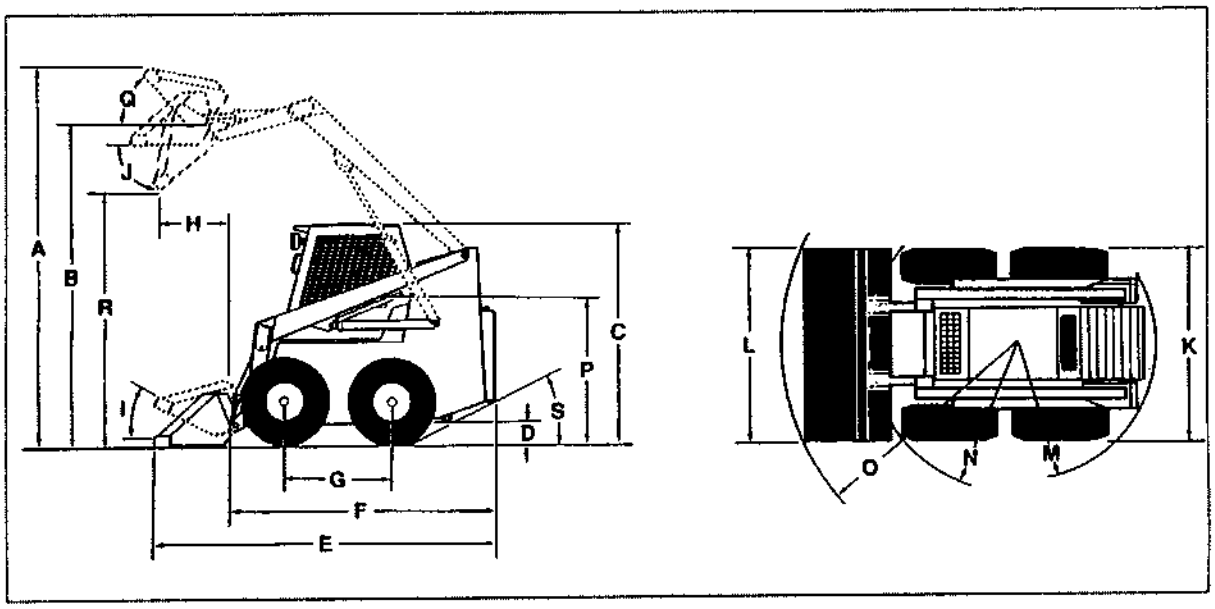
Standard Features
Spark Arrestor Muffler
Tandem-mounted, Direct Drive Hydrostatic Pump
SAE Approved ROPS-FOPS (Overhead Guard)
Gas Spring Assist Rollback ROPS with Lock
Side-mounted, Self-centering Propulsion and Lift/Tilt Control T-bars, or Hand/Foot Controls
Spring Applied Automatic Parking Brake
Hand or Foot-operated Throttle
SAE J386 Construction-approved Seat Belt
Operator Secondary Restraint Bar with Arm Rests
Seat and Operator Secondary Restraint Interlock for Starting/Hydraulic System
Lift Cylinder Mechanical Lock
Eye-level Instrument and Control Panel
Hinged Rear Grill & Engine Access Cover
Bellyplate with Cleanout (Access) Cover
Tip-back Radiator (For Cleaning and Inspection)
Quick-tach Single Lever Attachment Locking
Independent Hydraulic Reservoir with Integral Sight Gauge and Strainer
Hand Operated Choke (4525)
Glow Plug/Starter Timer
Solenoid Valve Lockout of Lift and Tilt Cylinders
Dual-element Air Cleaner[3]
Attachment Self-leveling Lift Action[3]
Front Auxiliary Hydraulics Connections[3]
Operating Lights[3]
Sound-deadening Package[3]
Rear Window[3]
Hydraulic Oil Temperature Monitoring[4]
Hydraulic Oil Filter Condition Monitoring[4]
Hydraulic Oil Pressure Monitoring[4]
Air Cleaner Condition Monitoring[4]
Engine Coolant Temperature Monitoring[4]

Tire Options
6.5 x 16, Solid Rubber Tire Set
7 x 15, 6-ply Chevron Tire Set
10 x 16.5, 6-ply Flotation Tire Set
10 x 16.5, 6-ply Flotation Tire Set (Narrow)
29 x 12.5 x 15, 6-ply Extra Wide Lug Tire Set
12 x 16.5, 6-ply Flotation Tire Set
10 x 16.5, 8-ply Heavy Duty Tire Set
12 x 16.5, 10-ply Heavy Duty Tire Set

Buckets & Capacities[5]

Width	Bucket Description	Capacity (Heaped) cu ft	cu m
60(1524)	Dirt/Construction	10	.28
60(1524)	Utility	12	.34
60(1524)	Industrial	12	.34
65(1651)	Dirt/Construction	10.8	.30
65(1651)	Dirt/Construction with teeth	10.8	.30
65(1651)	Light Material	14.7	.42
65(1651)	Utility	19	.54
68(1727)	Dirt/Construction	14	.40
72(1829)	Produce/Snow	20	.56

[1] Operating capacity rated with 65" (1651) wide Dirt/Construction Bucket, 10.00 x 16.5 Tires and a 175 lb (79 kg) operator in accordance with SAE J818.
[2] Standard on 4625DX.
[3] Standard on 4625SX/DX; all others, optional.
[4] Standard on 4625SX/DX.
[5] Refer to the "Material Densities" topic in the Operation Chapter of this manual for average weight/volume for various materials.



		SL3725/3825		SL4525/4625	
A	Overall Operation Height -Fully Raised	134.4	(3414)	144.4	(3660)
B	Height to Hinge Pin- Fully Raised	107.5	(2731)	114.8	(2916)
C	Overall Height- Top of Operator Guard	69.6	(1767)	76.5	(1943)
D	Ground Clearance-to Chassis	9.0	(229)	7.6	(193)
E	Overall Length (w/54" Dirt/Construction Bucket)	105.8	(2687		
	Overall Length (w/65" Dirt/Construction Bucket)			118.2	(3002)
F	Overall Length (less Bucket)	82.4	(2093)	92.0	(2337)
G	Wheel Base	34.0	(864)	37.3	(947)
H	Dump Reach-w/54" Dirt/Const. Bucket	19.7	(500)		
	Dump Reach-w/54" Fertilizer Bucket	24.7	(627)		
	Dump Reach-w/65" Dirt/Const. Bucket (full height)			23.0	(584)
	Dump Reach-w/65" Dirt Const. Bucket (110" height)			24.4	(620)
	Dump Reach-w/65" Utility Bucket (full height)			29.1	(739)
I	Rollback at Ground	32°		32°	
J	Dump Angle-at full height	37°		38°	
	Dump Angle-at 110" height			42°	
K	Overall Width-less Bucket (w/5.70 x 15 Tires)	48.5	(1232)		
	Overall Width-less Bucket (w/27 x 8.50 x 15 Tires)	53.8	(1367)		
	Overall Width-less Bucket (w/27 x 10.50 x 15 Tires)	57.1	(1450)		
	Overall Width-less Bucket (w/7.00 x 15 Tires)			57.5	(1460)
	Overall Width-less Bucket (w/10.00 x 16.5 Tires)			62.0	(1575)
	Overall Width-less Bucket (w/12.00 x 16.5 Tires)			64.0	(1626)
L	Bucket Width (54" Dirt-Const. Bucket)-Overall	54.8	(1392)		
	Bucket Width (65" Dirt-Const. Bucket)-Overall			65.9	(1674)
M	Clearance Circle - Rear	50.0	(1270)	55.4	(1407)
N	Clearance Circle - Front (less Bucket)	39.4	(1001)	44.5	(1130)
O	Clearance Circle - Front (w/54" Dirt/Const. Bucket)	63.6	(1615)		
	Clearance Circle - Front (w/65" Dirt/Const. Bucket)			72	(1839)
P	Seat to Ground Height	30.8	(782)	35.7	(907)
Q	Rollback at Full Height	105°			102°
R	Dump Height	86.3	(2192)	90.9	(2309)
S	Departure Angle	28°		25°	
	Reach Maximum			34.6	(879)
	Dump Height at Maximum Reach	32.6	(828)	34.5	(876)
	Height to Top of Riser	62.4	(1585)	67.5	(1715)
	Maximum Back Grading Angle	104°		102°	

Remove Dealer's File Copy at Perforation

CHAPTER 3
CHECKLISTS

PRE-DELIVERY

The following Checklist is an important reminder of valuable information and inspections which MUST be made before delivering the Loader to the Customer. Check off each item after prescribed action is taken.

Check that:

- ❑ Unit has NOT been damaged in shipment. Check for such things as dents and loose or missing parts; correct or replace components as required.
- ❑ Battery is securely mounted and NOT cracked and cable connections are tight.
- ❑ Lift and Tilt Cylinders, Hoses and Fittings are NOT damaged, leaking or loosely connected.
- ❑ Radiator Hoses and Fittings are NOT damaged, leaking or loosely connected.
- ❑ Filters are NOT damaged, leaking or loosely secured.
- ❑ Wheels are properly and securely attached and Tires are properly inflated.
- ❑ Loader is properly lubricated and NO Grease Fittings are missing or damaged.
- ❑ Hydraulic System Reservoir, Engine Crankcase and Drive Chaincases are filled to their proper levels.
- ❑ All adjustment are made to comply with settings given in the Adjustments chapter of this manual.
- ❑ All Guards, Shields and Decals are in place and securely attached.
- ❑ Model and Serial Numbers, for this unit, are recorded in space provided on this page and page 1.

Start Loader Engine and test-run the unit while checking that proper operation is exhibited by all controls.

Check that:

- ❑ Propulsion Control and Lift/Tilt Control T-bars *or* Hand/Foot Controls operate properly and are NOT damaged or binding.
- ❑ Propulsion Control T-bar or Hand/Foot Controls are properly adjusted for a correct "neutral" position so that Loader does NOT creep.
- ❑ Lift Cylinder and Starter Interlock system functions properly. By design, the Engine will NOT start unless the Operator is sitting on the Seat and the Restraint Bar is "lowered". Furthermore, the Lift and Tilt Circuits, and Propel will not operate unless the Operator is sitting on the Seat, the Restraint Bar is "lowered", and the Starter Key Switch is in the "Run" position.

I acknowledge that pre-delivery procedures were performed on this unit at outlined above.

_____
Dealership Name

_____
Dealer Representative's Name

_____
Date Checklist Filled-out

_____ _____ _____
Loader Model# Loader Serial# Engine Serial#

Delivery

Check that:

The following Checklist is an important reminder of valuable information that MUST be passed on to the Customer at the time the unit is delivered. Check off each item as you explain it to the Customer.

Review with the Customer the contents of this manual; especially:

- ❑ The INDEX at the back, for quickly locating topics;
- ❑ The SAFETY, CONTROLS & SAFETY EQUIPMENT and OPERATION Chapters, for information regarding safe use of the machine;
- ❑ The ADJUSTMENTS, LUBRICATION, SERVICE and TROUBLESHOOTING Chapters, for information regarding proper maintenance of the machine. Explain that regular lubrication and maintenance are required for continued safe operation and long life.
- ❑ Give this Operator's Manual to the Customer and instruct the Customer to be sure to read and completely understand its contents BEFORE operating the unit.
- ❑ Explain that the Customer MUST consult the Engine Manual (provided) for related specifications, operating adjustments and maintenance instructions.
- ❑ Completely fill out the Owner's Registration, including Customer's signature and, return it to the company.

_____
Customer's Signature

_____
Date Delivered

(Dealer's File Copy)

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(To be removed as Dealer's file copy)

CHAPTER 3
CHECKLISTS

PRE-DELIVERY

The following Checklist is an important reminder of valuable information and inspections which MUST be made before delivering the Loader to the Customer. Check off each item after prescribed action is taken.

Check that:

- ❑ Unit has NOT been damaged in shipment. Check for such things as dents and loose or missing parts; correct or replace components as required.
- ❑ Battery is securely mounted and NOT cracked and cable connections are tight.
- ❑ Lift and Tilt Cylinders, Hoses and Fittings are NOT damaged, leaking or loosely connected.
- ❑ Radiator Hoses and Fittings are NOT damaged, leaking or loosely connected.
- ❑ Filters are NOT damaged, leaking or loosely secured.
- ❑ Wheels are properly and securely attached and Tires are properly inflated.
- ❑ Loader is properly lubricated and NO Grease Fittings are missing or damaged.
- ❑ Hydraulic System Reservoir, Engine Crankcase and Drive Chaincases are filled to their proper levels.
- ❑ All adjustment are made to comply with settings given in the Adjustments chapter of this manual.
- ❑ All Guards, Shields and Decals are in place and securely attached.
- ❑ Model and Serial Numbers, for this unit, are recorded in space provided on this page and page 1.

Start Loader Engine and test-run the unit while checking that proper operation is exhibited by all controls.

Check that:

- ❑ Propulsion Control and Lift/Tilt Control T-bars *or* Hand/Foot Controls operate properly and are NOT damaged or binding.
- ❑ Propulsion Control T-bar or Hand/Foot Controls are properly adjusted for a correct "neutral" position so that Loader does NOT creep.
- ❑ Lift Cylinder and Starter Interlock system functions properly. By design, the Engine will NOT start unless the Operator is sitting on the Seat and the Restraint Bar is "lowered". Furthermore, the Lift and Tilt Circuits, and Propel will not operate unless the Operator is sitting on the Seat, the Restraint Bar is "lowered", and the Starter Key Switch is in the "Run" position.

I acknowledge that pre-delivery procedures were performed on this unit at outlined above.

_____
Dealership Name

_____
Dealer Representative's Name

_____
Date Checklist Filled-out

_____ _____ _____
Loader Model# Loader Serial# Engine Serial#

Delivery

Check that:

The following Checklist is an important reminder of valuable information that MUST be passed on to the Customer at the time the unit is delivered. Check off each item as you explain it to the Customer.

Review with the Customer the contents of this manual; especially:

- ❑ The INDEX at the back, for quickly locating topics;
- ❑ The SAFETY, CONTROLS & SAFETY EQUIPMENT and OPERATION Chapters, for information regarding safe use of the machine;
- ❑ The ADJUSTMENTS, LUBRICATION, SERVICE and TROUBLESHOOTING Chapters, for information regarding proper maintenance of the machine. Explain that regular lubrication and maintenance are required for continued safe operation and long life.
- ❑ Give this Operator's Manual to the Customer and instruct the Customer to be sure to read and completely understand its contents BEFORE operating the unit.
- ❑ Explain that the Customer MUST consult the Engine Manual (provided) for related specifications, operating adjustments and maintenance instructions.
- ❑ Completely fill out the Owner's Registration, including Customer's signature and, return it to the company.

_____
Customer's Signature

_____
Date Delivered

(Pages 7 & 8 have been removed at Perforation)

CHAPTER 4
SAFETY

The above Safety Alert Symbol means **ATTENTION! BECOME ALERT! YOUR SAFETY IS INVOLVED!** It stresses an attitude of "Heads Up for Safety" and can be found throughout this Operator's Manual and on the machine itself.

BEFORE YOU ATTEMPT TO OPERATE THIS EQUIPMENT, READ AND STUDY THE FOLLOWING SAFETY INFORMATION. IN ADDITION, MAKE SURE THAT EVERY INDIVIDUAL WHO OPERATES OR WORKS WITH THIS EQUIPMENT, WHETHER FAMILY MEMBER OR EMPLOYEE, IS FAMILIAR WITH THESE SAFETY PRECAUTIONS.

Our Company ALWAYS takes the operator's safety into consideration when designing its machinery, and guards exposed moving parts for the operator's protection. However, some areas can NOT be guarded or shielded in order to assure proper operation. In addition, this Operator's Manual, and Decals on the machine, warn of further danger and should be read and observed closely.

DANGER

"DANGER" indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.

WARNING

"WARNING" indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

CAUTION

"CAUTION" indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury. May also alert against unsafe practices.

MANDATORY SAFETY SHUTDOWN PROCEDURE

BEFORE unclogging, cleaning, adjusting, lubricating or servicing the unit:

1. Move the Propulsion Control T-bar(s) to the "neutral"position.
2. Lower the Lift Arm and Attachment completely. Also, see Step 4, below.
3. Move the Throttle to the low idle position, shut the Engine off and remove the Key.
4. If the Lift Arm MUST be left in the "raised" position, BE SURE to properly engage the Lift Cylinder Mechanical Lock instead of performing step 2.

ONLY when you have taken these precautions can you be sure it is safe to proceed. Failure to follow the above procedure, could lead to death or serious bodily injury.

ADDITIONAL SAFETY REMINDERS

- Some photographs in this manual may show Doors, Guards and Shields open or removed for illustrative purposes ONLY. BE SURE that all Doors, Guards and Shields are in their proper operating positions BEFORE starting the engine to operate the unit.
- To ensure safe operation, replace damaged or worn-out parts with genuine Gehl service parts, BEFORE attempting to operate this equipment.
- GEHL Skid Loaders are designed and intended to be used ONLY with GEHL Company Attachments or approved Referral Attachments. The GEHL Company can NOT be responsible for operator safety if the Loader is used with a non-approved Attachment.

SAFETY
(CONTINUED)

- The stability of a Skid Loader is determined by its short wheel base. The following elements: the terrain, Engine speed, load being carried or dumped, and/or abrupt Control movements, can affect stability. **IF MISUSED, ANY OF THE ABOVE FACTORS CAN CAUSE THE LOADER TO TIP, THROWING YOU FORWARD OR OUT OF THE UNIT, CAUSING DEATH OR SERIOUS BODILY INJURY.** Therefore, ALWAYS have the Operator Secondary Restraint Bar "lowered" and wear the Seat Belt. Operate the Controls smoothly and gradually at an appropriate Engine speed which matches the operating conditions.

- For additional stability when operating on inclines or ramps, ALWAYS travel with the heavier end of the Loader to the top of the incline.

- NEVER attempt to by-pass the Keyswitch to start the Loader Engine. Only use the jump-starting procedure detailed in the service chapter of this manual.

- Do NOT attempt to remove the Radiator Cap after the Engine has reached operating temperature or has overheated because the Engine Coolant will be extremely HOT and under pressure. ALWAYS wait for the Engine to cool down BEFORE attempting to relieve pressure and remove the Radiator Cap. Failure to heed could result in severe burns.

- NEVER use your hands to search for hydraulic fluid leaks, use a piece of paper or cardboard. Escaping fluid under pressure can be invisible and can penetrate the skin and cause a serious injury. If any fluid is injected into your skin, see a doctor at once. Injected fluid MUST be surgically removed by a doctor or gangrene may result.

- ALWAYS wear safety glasses with side shields when striking metal against metal. In addition, it is also recommended that a softer (non-chipable material) be used to cushion the blow. Failure to heed could lead to serious injury to the eyes or other parts of the body.

- DO NOT raise or drop a loaded Bucket or Fork suddenly. Abrupt movements under load can cause serious instability.

- DO NOT push the Lift Control all the way forward (into the "float" position) with the Attachment loaded and the Lift Arm raised as this will cause the Lift Arm to drop, very rapidly.

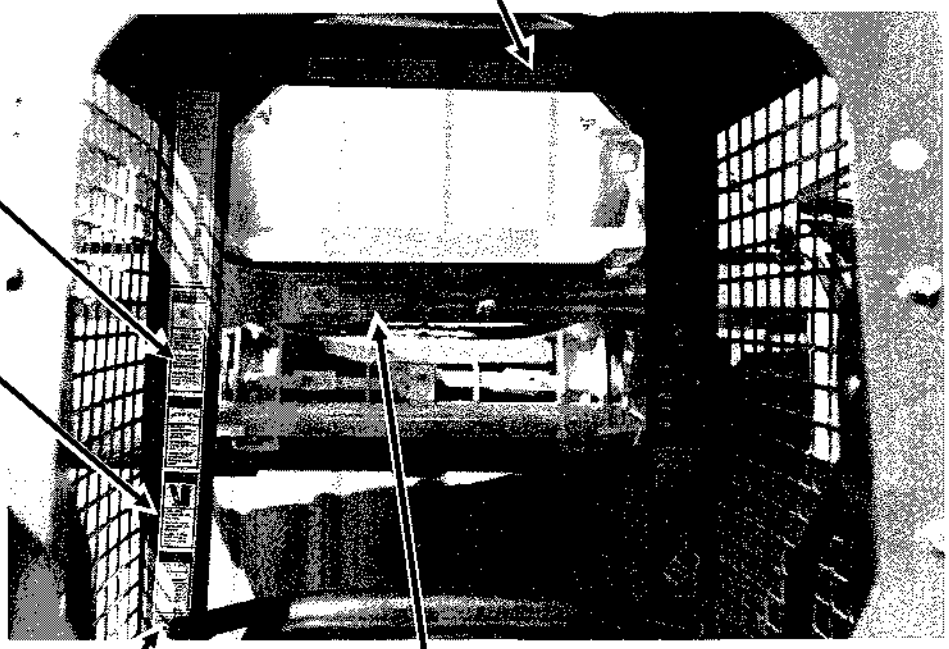
- DO NOT drive too close to an excavation or ditch; BE SURE that the surrounding ground has adequate strength to support the weight of the Loader and the load.

- DO NOT smoke or have any spark producing equipment in the area while filling the Fuel Tank or while working on the fuel or hydraulic systems.

SAFETY
(CONTINUED)

WARNING FOR MAXIMUM STABILITY CARRY LOAD AS LOW AS POSSIBLE. FAILURE TO HEED COULD RESULT IN DEATH OR SERIOUS INJURY.

093475



WARNING

ALWAYS USE MECHANICAL LOCK WHEN LEAVING LIFT ARM IN THE RAISED POSITION FOR SERVICING LOADER.

BEFORE SERVICING LOADER, PROCEED AS SPECIFIED IN THE OPERATOR'S MANUAL.

FAILURE TO HEED COULD RESULT IN DEATH OR SERIOUS INJURY.

WARNING

OPERATING CONDITIONS COULD PRODUCE JERKY MOVEMENT.

BEFORE STARTING ENGINE FASTEN SEAT BELT.

FAILURE TO HEED COULD RESULT IN DEATH OR SERIOUS INJURY.

129258

WARNING

PINCH POINT BETWEEN LIFT ARM AND LEDGE.

KEEP FEET INSIDE COMPARTMENT AND OFF LEDGE.

FAILURE TO HEED COULD RESULT IN DEATH OR SERIOUS INJURY.

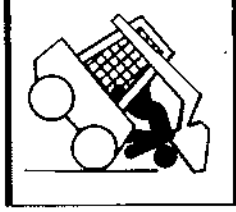
129258

WARNING

BEFORE OPERATING WITH ATTACHMENT, CHECK LOCKING PIN ENGAGEMENT OF THE QUICK-TACH TO THE ATTACHMENT.

FAILURE TO HEED COULD RESULT IN DEATH OR SERIOUS INJURY.

122718



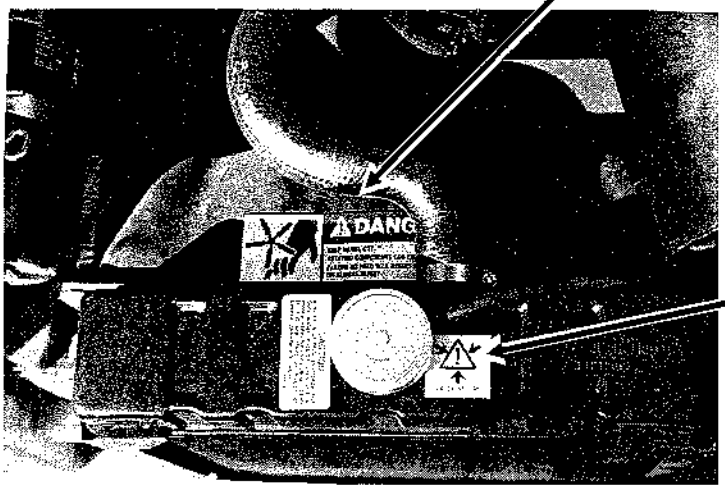
WARNING

FOR MAXIMUM STABILITY CARRY LOAD AS LOW AS POSSIBLE.
FAILURE TO HEED COULD RESULT IN DEATH OR SERIOUS INJURY.

093479

SAFETY
(CONTINUED)

091050



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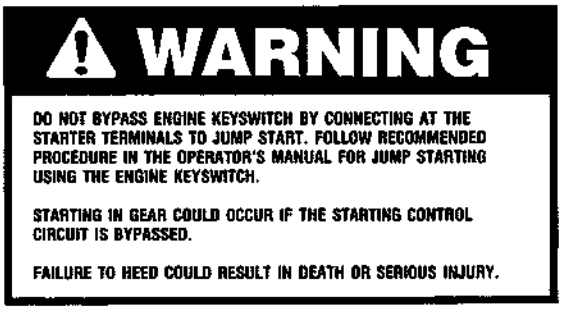

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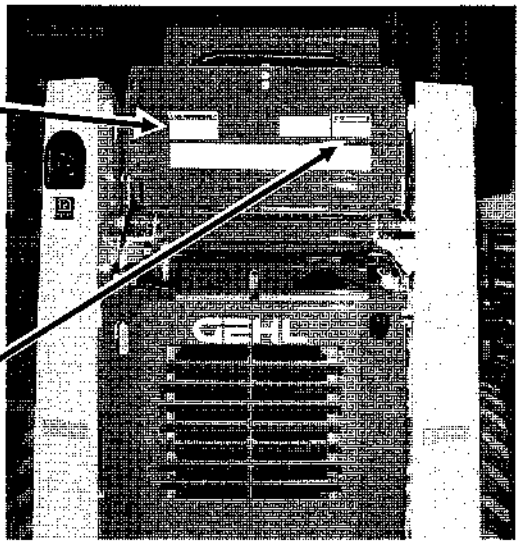
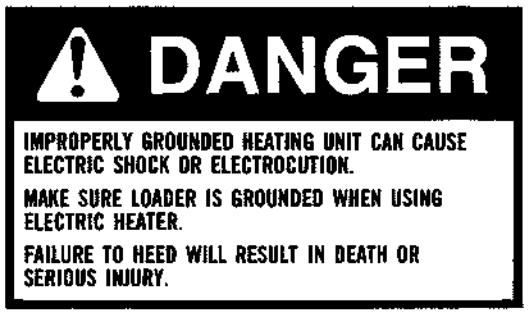




093484

SAFETY
(CONTINUED)

⚠WARNING

GAS-CHARGED SPRING CYLINDERS ARE USED ON THIS MACHINE. SEE OPERATOR'S MANUAL FOR LOCATIONS.

CYLINDERS HAVE HIGH INTERNAL PRESSURE. DO NOT DISASSEMBLE. DISASSEMBLY COULD RELEASE PARTS WITH GREAT FORCE.

FAILURE TO HEED COULD RESULT IN DEATH OR SERIOUS INJURY.

122745

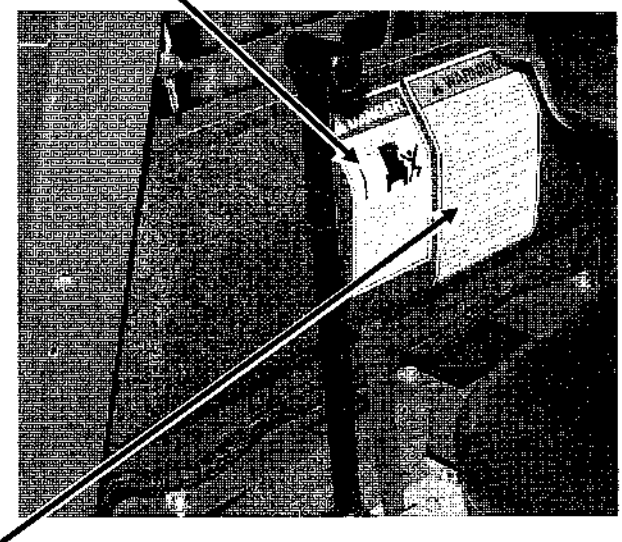
⚠ DANGER

MAINTAIN SAFE CLEARANCE FROM ELECTRIC POWER LINES AND AVOID CONTACT WITH ANY ELECTRICALLY CHARGED CONDUCTOR.

CONTACT WITH ELECTRICAL POWER SOURCE CAN RESULT IN ELECTRICAL SHOCK OR ELECTROCUTION.

FAILURE TO HEED WILL RESULT IN DEATH OR SERIOUS INJURY.

093202



⚠ WARNING

KEEP ALL GUARDS AND SHIELDS IN PLACE.
KEEP HANDS, FEET, AND ARMS INSIDE ENCLOSURE WHILE ENGINE AND MACHINE ARE OPERATING AND AWAY FROM POWER DRIVEN COMPONENTS.
KEEP CHILDREN AND BYSTANDERS OFF AND AWAY FROM MACHINE.
DO NOT WEAR LOOSE OR BAGGY CLOTHING WHILE OPERATING OR SERVICING MACHINE.
WEAR PROPER PERSONAL SAFETY GEAR CALLED FOR BY JOB OR CONDITIONS.
DO NOT START ENGINE OR OPERATE LOADER OR ATTACHMENT CONTROLS FROM ANY POSITION OTHER THAN PROVIDED.
DO NOT OPERATE MACHINE IN ENCLOSED AREA WITHOUT PROPER VENTILATION.
TRAVEL SLOWLY OVER ROUGH TERRAIN WHEN RAISING LIFT ARM AND APPROACHING DUMP AREA. NEVER MAKE SHARP MANUEVERS WITH LIFT ARMS RAISED.
BEFORE LEAVING OPERATOR'S SEAT, LOWER LIFT ARMS AGAINST FRAME, STOP ENGINE AND ENGAGE PARKING BRAKE.
IF LIFT ARMS MUST BE LEFT IN RAISED POSTION, ALWAYS INSTALL LIFT ARM LOCK.
DO NOT CHANGE BUCKET WITH LIFT ARMS RAISED.
ESCAPING FLUID UNDER PRESSURE CAN BE INVISIBLE AND CAN PENETRATE SKIN. DO NOT USE HANDS TO SEARCH FOR LEAKS. RELIEVE PRESSURE PRIOR TO DISCONNECTING. HYDRAULIC LINES AND COMPONENTS CAN BE HOT. DO NOT TOUCH.
NEVER SMOKE WHILE FILLING FUEL OR WORKING ON FUEL OR HYDRAULIC SYSTEM.
FAILURE TO HEED COULD RESULT IN DEATH OR SERIOUS INJURY.

093474

SAFETY
(CONTINUED)

⚠WARNING

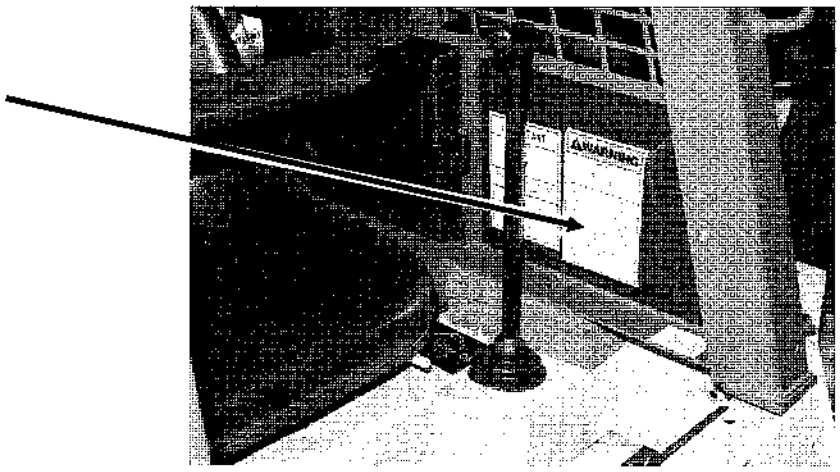
THE OWNER IS RESPONSIBLE FOR MAKING INFORMATION AVAILABLE TO THE OPERATOR ON THE SAFE USE AND PROPER MAINTENANCE OF THIS MACHINE.

DO NOT START, OPERATE, OR WORK ON THIS MACHINE UNTIL YOU READ AND UNDERSTAND THE CONTENTS OF THE OPERATOR'S MANUAL.

IF YOU HAVE QUESTIONS ON OPERATION ADJUSTMENT OR MAINTENANCE OF THIS MACHINE OR NEED AN OPERATOR'S MANUAL, OR IF ANY DECALS ARE NOT READABLE, CONTACT YOUR GEHL DEALER OR

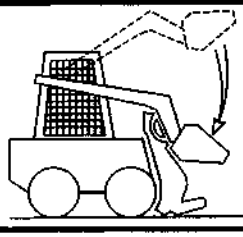
GEHL COMPANY, WEST BEND, WISCONSIN 53095 MODEL AND SERIAL NUMBERS WILL BE REQUIRED.

FAILURE TO HEED COULD RESULT IN DEATH OR SERIOUS INJURY.



093367

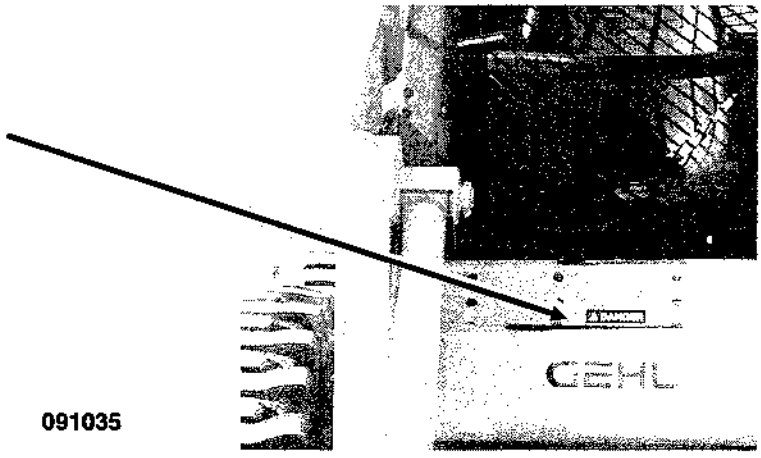
⚠ DANGER



DO NOT WORK UNDER LIFT ARMS WHEN RAISED UNLESS SUPPORTED BY LIFT ARM STOP WITH ENGINE STOPPED.

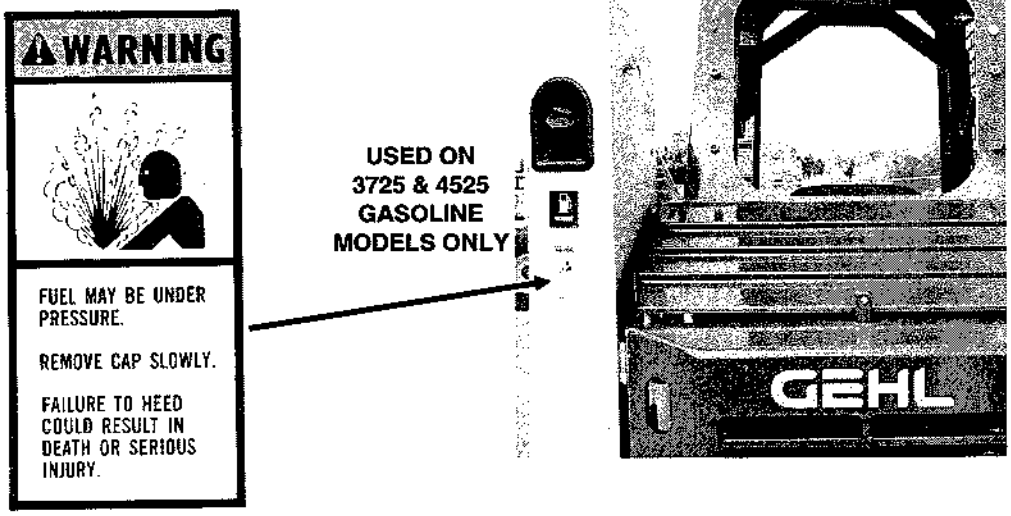
REMOVING HOSES OR COMPONENT FAILURE CAN CAUSE LIFT ARMS TO DROP.

FAILURE TO HEED WILL RESULT IN DEATH OR SERIOUS INJURY.



091035

SAFETY
(CONTINUED)



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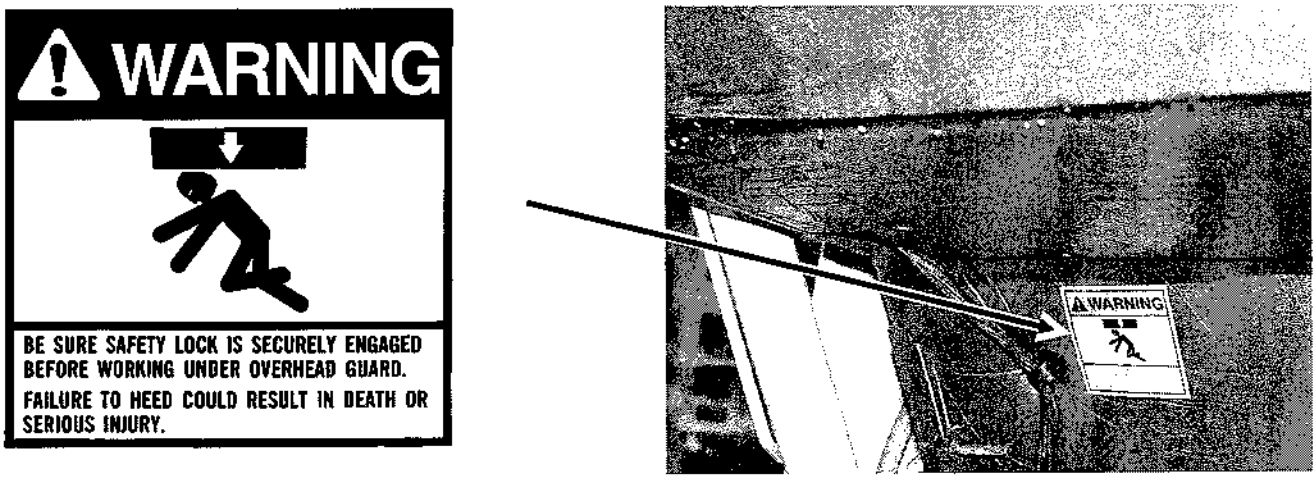


093477

SAFETY
(CONTINUED)

WARNING

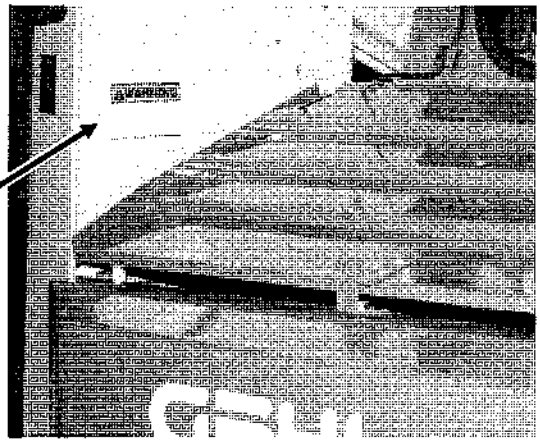
ROTATING OR HOT COMPONENTS CAN CAUSE INJURY

KEEP ENGINE COVER CLOSED WHILE ENGINE IS RUNNING

FAILURE TO HEED COULD RESULT IN DEATH OR SERIOUS INJURY

129130

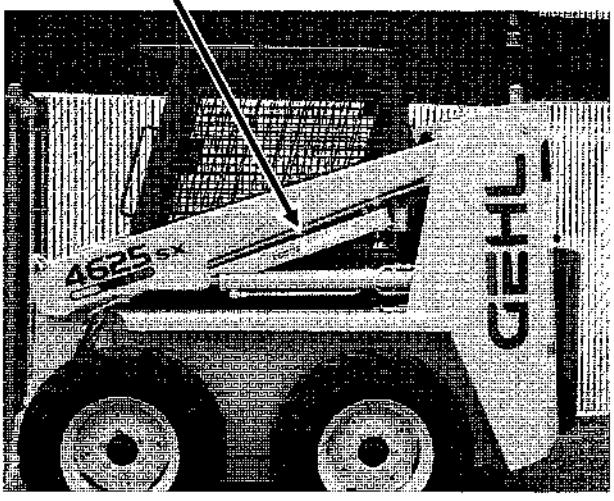
129130



DANGER

REMOVING HOSES OR COMPONENT FAILURE CAN CAUSE LIFT ARMS TO DROP
USE MECHANICAL LOCK WHEN LEAVING LIFT ARM IN RAISED POSITION FOR SERVICE
FAILURE TO HEED WILL RESULT IN DEATH OR SERIOUS INJURY

129132



CHAPTER 5
CONTROLS & SAFETY EQUIPMENT

⚠ CAUTION

Become familiar with and know how to use ALL safety devices and controls on the Skid Loader BEFORE attempting to operate it. Know how to stop Loader operation BEFORE starting it. This GEHL Skid Loader is designed and intended to be used ONLY with a GEHL Company Attachment or a GEHL Company approved accessory or referral attachment. The GEHL Company can NOT be responsible for operator safety if the Loader is used with a non-approved attachment.

GUARDS & SHIELDS

Whenever possible and without affecting Loader operation, Guards and Shields are used to protect potentially hazardous areas. In many places, Decals are also provided to warn of potential dangers and/or to display special operating procedures.

⚠ WARNING

Read and thoroughly understand ALL Safety Decals on the Loader BEFORE attempting to operate it. Do NOT attempt to operate the Loader unless ALL factory installed Guards and Shields are properly secured in place.

CONTROLS

If you have a 3725 or 3825 model, your Loader is "T-Bar" Controlled.

If you have a 4525 or 4625 model, your Loader could be equipped with either "Hand & Foot" or "T-Bar" Controls.

Follow instructions appropriate for your Loader type.

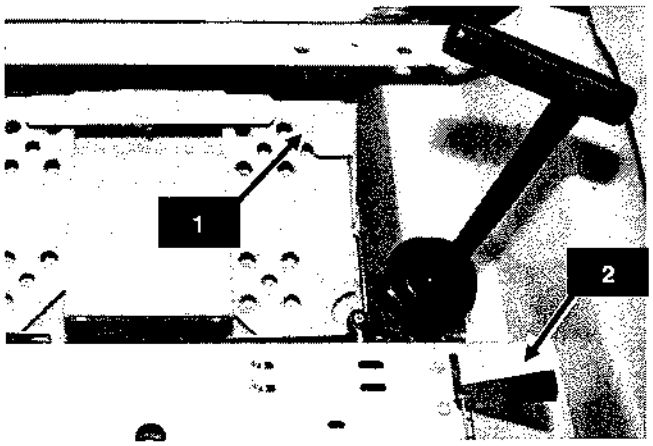


Fig. 1

1. **Accelerator Pedal**
2. **Hand Throttle**

THROTTLE LEVER & ACCELERATOR PEDAL (Fig. 1)

A right-hand controlled Throttle Lever is provided on all models for adjusting the Engine RPM.

4525/4625 "T-Bar Controlled", and 3825SX Models Only:

A right-foot operated Accelerator Pedal is also provided to control the Engine RPM to match increased power requirements. The Pedal linkage is spring-loaded to return to the adjusted hand-operated Throttle setting.

"T-BAR" CONTROLLED LOADERS

(Fig. 2)

Side-mounted T-Bars are provided on Skid Loader to control the hydraulic and hydrostatic functions of the Loader. Both T-Bars return to their "neutral" positions when released.

Propulsion Control T-Bar

The **"left-hand"** T-Bar is the Propulsion Control which is linked to the Hydrostatic Drives. From the neutral position, push the T-Bar straight forward (without twisting) to move the Loader forward or pull the T-Bar straight backwards (without twisting) to move the Loader rearward.

Twist the T-Bar clockwise to cause a spin turn to the right; twist the T-Bar counterclockwise to cause a spin turn to the left. On a spin turn, the wheels opposite the direction of the turn will rotate forward and the wheels on the same side as the direction of the turn will rotate rearward.

Twist the T-Bar and move it slightly forward or rearward to cause a slow gradual forward or rearward turn. The farther the T-Bar is moved, in any direction, the faster the maneuver will be made. Engine RPM also has a directly proportional affect on movement.

CAUTION

ALWAYS make sure that both T-Bars are in their "neutral" positions BEFORE attempting to start the Engine. Operation of the T-Bar controls should be smooth and with safety in mind. Excessive travel speed together with quick T-Bar movements, with NO regard for conditions and circumstances, is hazardous and could cause an accident.

Lift/Tilt Control T-Bar

The **"right-hand"** T-Bar controls the Lift (Arm) and Tilt (Attachment) through linkage to the Loader's Main Hydraulic Control Valve. Twist the T-Bar clockwise to tilt the Attachment downward; twist it counterclockwise to tilt the Attachment up or back.

Push the T-Bar straight forward (without twisting) to lower the Lift Arm; pull the T-Bar straight back (without twisting) to raise the Lift Arm. Push the T-Bar all the way forward, past the detent, to place the Lift Arm in the "float" condition (See following Warning).

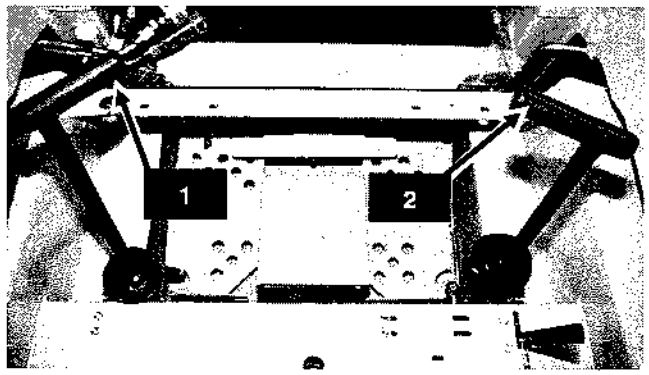


Fig. 2: T-Bar Controls (4625 Shown)

1. **Propulsion Control T-Bar**
2. **Lift/Tilt T-Bar**

WARNING

NEVER push the Lift/Tilt T-Bar into the "Float" position with the Bucket or Attachment loaded and/or raised. Doing so could cause the Lift Arm to lower rapidly and the Bucket or Attachment to dump.

NOTE: *The speed of all movements controlled by the Lift/Tilt T-Bar is directly proportional to the amount of T-Bar movement and Engine RPM.*

"HAND & FOOT" CONTROLLED LOADERS

(Figs. 3 & 4)

Both **"right and left"** T-Bars are used to control forward and reverse travel of the Loader. The T-Bars are also used for making turns by moving one T-Bar further than the other. **"Foot Pedals"** are used to control Liftarm and Attachment movements.

Traveling (T-Bar Controls)

NOTE: *Moving the T-Bars equally in the same direction will result in traveling straight ahead or backward.*

FORWARD TRAVEL: Push both T-Bars forward; slowly in the same direction.

REVERSE TRAVEL: Pull both T-Bars rearward; slowly and in the same direction.

TURNING DURING TRAVEL: Move one T-Bar farther forward or rearward than the other T-Bar. Turn direction is determined by which T-Bar is moved the furthest; for example: to turn left, move right T-Bar further than left.

FAST TURNING (PIVOTING): Move one T-Bar in the opposite direction of the other. Turn direction is determined by which T-Bar is moved forward; for example: to pivot turn to the left, move the right T-Bar forward and the left T-Bar rearward.

On units with **AUXILIARY HYDRAULICS:** Twist the right-hand T-Bar to controls auxiliary hydraulic flow. A lock is also provided for retaining the right-hand T-Bar in the auxiliary hydraulics "on" (detent) position.

NOTE: *Speed of motion is determined by how far and fast the T-Bars are moved away from neutral and engine speed.*

⚠ CAUTION

ALWAYS make sure that both T-Bars are in their "neutral" positions BEFORE attempting to start the Engine. Operation of the T-Bar controls should be smooth and with safety in mind. Excessive travel speed together with quick T-Bar movements, with NO regard for conditions and circumstances, is hazardous and could cause an accident.

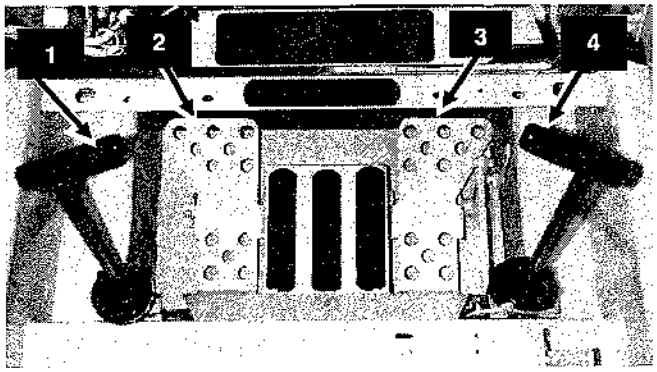


Fig. 3: Hand & Foot Controls

1. **Left Travel T-Bar**
2. **Left Foot Pedal (Liftarm Raise/Lower)**
3. **Right Foot Pedal (Attachment Tilting)**
4. **Right Travel T-Bar & Auxiliary Hydraulics Control**

"HAND & FOOT" CONTROLLED LOADERS (continued)

Lift/Tilt Controls (Foot Pedals)

LIFTARM TRAVEL: The left Foot Pedal controls the raising and lowering motion of the Liftarm.

To **raise** the Liftarm, use your heel to push down on the rear of left Foot Pedal.

To **lower** the Liftarm, use your toe to push down on the front of the left Pedal.

The Lift Spool in the System Control Valve is provided with a detent circuit to allow the lowered Liftarm to "float" when traveling over changing ground conditions. To place the Liftarm in the **detent** (float) condition, use your toe to push the left Foot Pedal all the way down, past the detent. (See Warning below).

ATTACHMENT TRAVEL: The right Foot Pedal controls the tilting motion of the attachment. To tilt the attachment rearward, use your heel to push down on the rear of the right Pedal; to tilt the attachment forward, use your toe to push down on the front of the right Pedal.

⚠ WARNING

NEVER push the Lift/Tilt T-Bar into the "Float" position with the Bucket or Attachment loaded and/or raised. Doing so could cause the Lift Arm to lower rapidly and the Bucket or Attachment to dump.

NOTE: *Speed of motion is directly proportional to the amount of Foot Pedal movement and Engine RPM.*

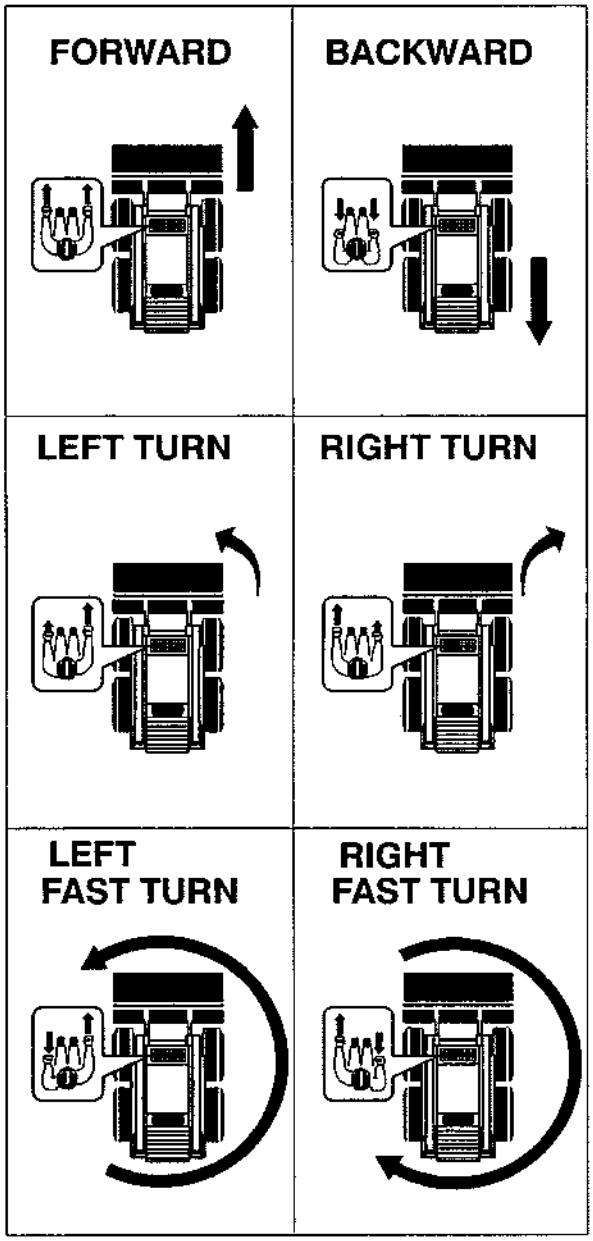


Fig. 4: Hand & Foot Loader Movement

AUTOMATIC PARKING BRAKE

This Skid Loader is equipped with a Spring Applied Automatic Parking Brake. The Parking Brake engages when the Operator lifts the Restraint Bar, leaves the Operator's Seat, and/or shuts the engine off. The Brake can also be manually applied by using the Switch located in the Operator"s Compartment just below the Seat. (See Fig. 5)

OPERATOR RESTRAINT BAR (Fig. 5)

The Operator Restraint Bar is securely anchored to the Overhead Guard. It is designed to be pivoted up before leaving or lowered after entering the Operator's Compartment. When used in conjunction with the Seat Belt, the Restraint Bar serves to keep you in the Operator's Compartment. For operator comfort and convenience, the Restraint Bar is fully padded and can be used as an arm rest while operating the Loader. The Restraint Bar Switch is wired in series with the Seat Switch to form an interlock for the Lift Arm, Tilt, Propel, and Starter circuits (refer to the "Interlocks" topic later in this chapter for additional information).

⚠ WARNING

NEVER attempt to electrically or mechanically defeat the Operator Restraint Bar or Seat Switch, and ALWAYS wear your Seat Belt.

SEAT POSITIONING (Fig. 5)

4525/4625 Models Only: The Loader Seat is mounted on Rails to provide forward or backward repositioning to adapt to the operator's size and comfort. A spring-loaded Latch Handle is provided for activating the Seat Adjustment mechanism.

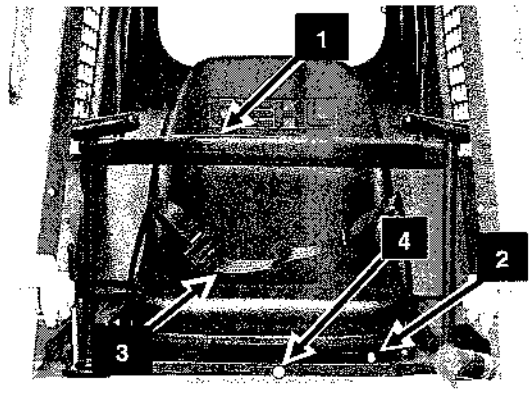


Fig. 5: Restraint Bar

1. **Operator Restraint Bar**
2. **Seat Adjustment Lever** ***(4525/4625 Models Only)***
3. **Seat Belt**
4. **Brake Switch**

OVERHEAD GUARD (ROPS/FOPS) & LOCK MECHANISM (Fig. 6)

The Overhead Guard is SAE ROPS and FOPS approved. The Guard is designed to protect the operator from falling objects and to be a life-saving protection if the Loader is accidentally tipped-over or rolled, provided the operator is secured within the confines of the Overhead Guard by the Seat Belt and Restraint Bar. On SX and DX models, a Rear Window is provided to help reduce Engine noise.

For service, the Guard can be unbolted and tilted back. Two Gas-charged Springs are provided to assist in tilting the Guard back. A self-actuating Lock Mechanism engages to maintain the Guard in the rolled-back position. To lower the Guard, apply downward pressure on the Guard while pulling the Lock Mechanism Handle toward the front of the Loader. Then, lower the Guard into contact with the Chassis and reinstall and secure the anchor bolts, washers, and locknuts.

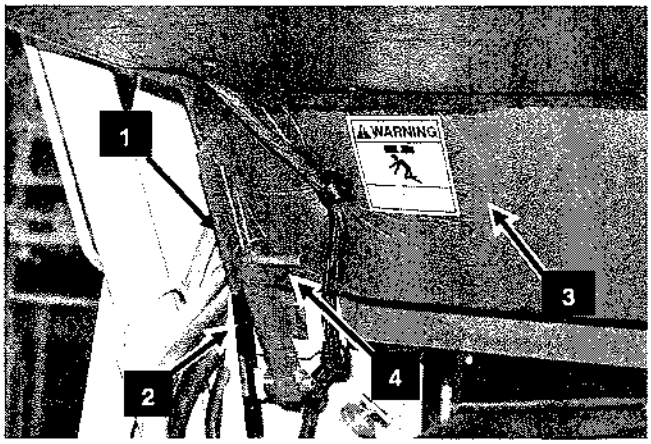


Fig. 6: Overhead Guard Unbolted, Rolled-back & Locked

1. **Self-actuating Lock Mechanism (Engaged)**
2. **Gas charged Spring (1 of 2)**
3. **Overhead Guard (ROPS/FOPS)**
4. **Lock Mechanism Handle**

⚠ WARNING

NEVER attempt to operate the Skid Loader with the Overhead Guard removed or locked-back. BE SURE that the Lock Mechanism Pin is securely engaged when the Guard is tilted back. Properly support the Overhead Guard while unlatching the Lock Mechanism Handle and lowering the Overhead Guard. BE SURE to reinstall and secure the front anchor bolts, washers, and locknuts BEFORE resuming Loader operation.

CHOKE: *3725, & 4525 only*

The ***gasoline*** engine powered 3725, & 4525 Loader is provided with a Choke for cold starting assistance. The Choke Knob is located to the right of the left T-Bar Control. After the Engine is warm and running smoothly, BE SURE to push the Knob all the way in. *(See the Operation Chapter of this Manual for more details).*

INSTRUMENT & CONTROL PANEL (Fig. 7)

The Instrument and Control Panel contains the following control Switches and Indicators. International symbols are provided on the Panel to represent various functions, conditions and Switch positions.

1. **Coolant Temperature Gauge** - Indicates Engine coolant temperature.

2. **Fuel Level Gauge** - Indicates the amount of fuel remaining in the Fuel Tank.

NOTE: *Reference Items 3 through 11 are Indicator Lights which display the following:*

3. **Battery** - Indicates the condition of the charging system. During normal operation, this Indicator should be OFF. If the charge rate is too high or too low, this Indicator will light.

NOTE: *Reference Items 4, 6, 7, 10 and 11 are ONLY functional on 3825SX, 4625SX, and 4625DX models.*

4. **Air Filter**- During normal operation, this Indicator should be OFF. If the Engine Air Filter Element becomes excessively dirty or clogged, this Indicator will light to warn the operator that the Air Filter Element needs replacing.

5. **Engine Oil Pressure**- During normal operation, this Indicator should be OFF. If the Engine oil pressure drops too low, this Indicator will light and a Buzzer will sound to warn the operator to IMMEDIATELY stop the Engine and determine the cause for the pressure drop.

6. **Engine Temperature**- During normal operation, this Indicator should be OFF. If the Engine coolant gets too hot, this Indicator will light and a Buzzer will sound to warn the operator to IMMEDIATELY stop the Engine. Allow the Engine to cool and then determine the cause for the high temperature condition and correct the problem BEFORE restarting the Loader Engine.

7. **Hydraulic Oil Temp.** - During normal operation, this Indicator should be OFF. If the hydraulic system oil gets too hot, this Indicator will light to warn the operator to IMMEDIATELY stop the Engine. Allow the hydraulic system to cool down and then determine the cause for the high temperature condition and

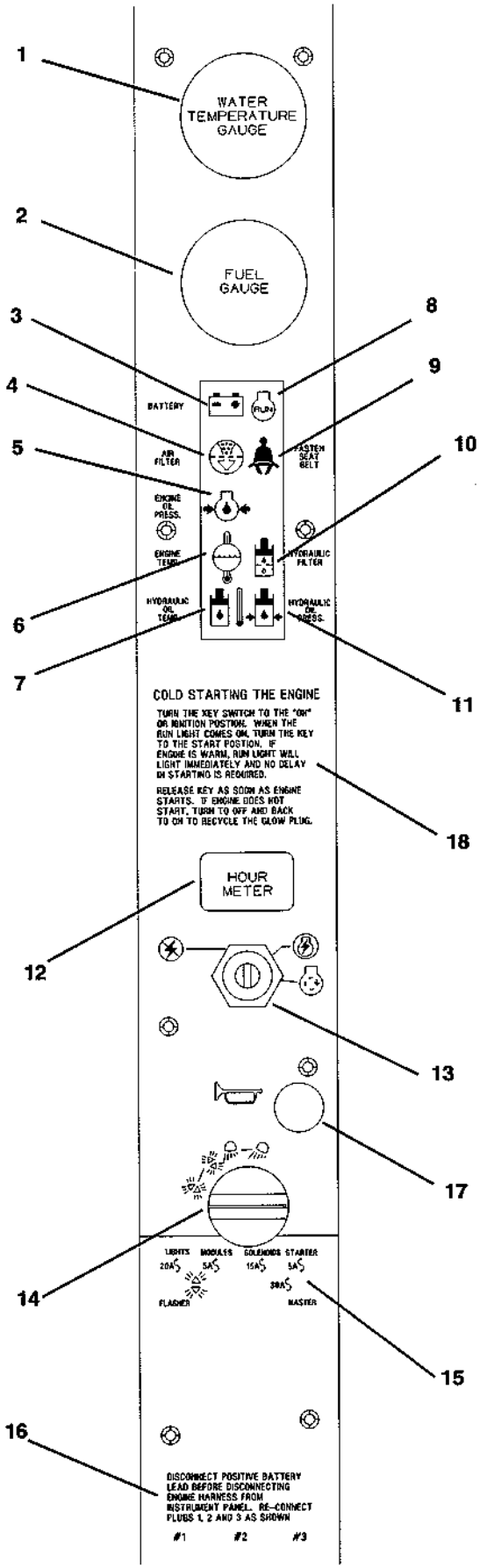


Fig. 7: Instrument & Control Panel

correct the problem BEFORE continuing Loader operation.

8. **Run** - *(Diesel Engines only):* After the Glow Plugs have heated for a sufficient amount of time, the RUN Light will come on and the Engine can be started. Turn the Key to the "START" position to start the Engine. The RUN Light will remain on and the BATTERY Light should go off. (See "Keyswitch" Ref. 13, below and also see "Starting the Engine" in Chapter 6.)

9. **Fasten Seat Belt** - Audible and visual indications are provided to remind the operator to fasten the Seat Belt.

NOTE: *The Loader Engine cannot be started unless the operator is sitting on the Seat, and the Operator Restraint Bar is down.*

10. **Hydraulic Filter** - During normal operation, this Indicator should be OFF. If the Hydraulic Oil Filter becomes excessively dirty or clogged, this Indicator will light to warn the operator that the Filter needs replacing. Note: When the hydraulic oil is cold, the light may stay "on" for a short time.

11. **Hydraulic Oil Press.** - During normal operation, this Indicator should be OFF. If the Hydraulic system charge pressure drops too low, this Indicator will light to warn the operator to IMMEDIATELY stop the Engine and determine the cause for the pressure drop.

12. **Hourmeter** - Indicates the total operating hours of the Loader. The Hourmeter is especially useful for logging time in the "Maintenance Schedule" located at the back of this manual.

13. **Keyswitch** - International symbols, located around the perimeter of the Keyswitch, denote the functions and positions that the Key can be rotated to. In a clockwise rotation, these positions are:

Off Position - When the Key is vertical in the Keyswitch, power from the Battery is disconnected to the Control and Instrument Panel electrical circuits. Also, this is the only position in which the Key can be inserted or removed from the Keyswitch.

On or Run Position - When the Key is turned one position clockwise from the vertical (OFF) position, power from the Battery is supplied to all Control and Instrument Panel electrical circuits.

NOTE: *All Indicators illuminate and the Buzzer will sound for two seconds as a self-test when the Keyswitch is turned to the RUN position.*

Start Position - When the Key is turned fully clockwise and held in that position, the electric Starter will be energized for starting the Engine. Release the Key as soon as the Engine starts (it will return to the RUN position by itself).

NOTE: *The Key MUST always be returned to the Off position between starting attempts.*

14. **Light Switch** - Controls all lights (standard and optional) on the Loader. International symbols denote the four positions of the Light Switch. In a clockwise direction these are: Off, Flashers, Headlight/Taillight with Flashers and, Headlight/Taillight only. For the Lights to function, the Keyswitch MUST be in the "On"(Run) position.

15. **Fuses, Flasher & Access Cover** - Five Blade-type Fuses are provided on the Instrument Panel to protect the Loader electrical circuits. Easy access to the Fuses (and the Heavy-duty Flasher, if so equipped) is provided by simply removing the Access Cover. An SAE 30 ampere Fuse protects the main wiring circuit, SAE 20 ampere Fuse protect the Lighting circuit, SAE 15 ampere Fuse protect the Solenoid circuit and SAE 5 ampere Fuses protect the Starter and Module circuits.

NOTE: *Do NOT attempt to defeat the fusing by jumping across the Fuse or by using a higher amperage Fuse.*

16. **Harness Connect Locations** - The numbers at the bottom of the Instrument Panel correspond to the identification numbers on the Wire Harness connectors.

17. **Horn** - (Optional): A Horn Kit is available for installation on the Skid Loader.

18. **Cold Start Engine Instructions** - *(Diesel Engines Only)*

INTERLOCKS

CAUTION

NEVER attempt to defeat the interlock system functions by mechanically or electrically bypassing any Switches, Relays or Solenoid Valves.

With operator safety in mind, interlock systems are used on the Loader. Together with Solenoid Valves Switches and Relays, the interlocks:

— Prevent starting of the Engine unless the operator is sitting on the Seat, and the Operator Restraint Bar is down.

— Disable Lift Arm, Attachment Tilt, and Propel anytime the operator leaves the Seat, turns the Keyswitch to "Off" or raises the Restraint Bar.

QUICK-TACH ATTACHMENT MOUNTING (Figs. 8 & 9)

A single Lever is provided for operating the Quick-Tach Mechanism for mounting and releasing a Bucket or other Attachment. The Latch Pins of the Quick-Tach are mechanically linked to the Lever and are spring-loaded to ensure positive engagement into the Attachment. Rotate the Lever completely to the left (as viewed while sitting on the Operator's Seat) to engage the Lock Pins. Rotate the Lever to the right to disengage the Lock Pins.

CAUTION

To prevent unexpected Attachment release from the Lift Arms, BE SURE to properly secure the Lock Pins by rotating the Quick-Tach Lever completely to the Left (as viewed while sitting on the Operator's Seat).

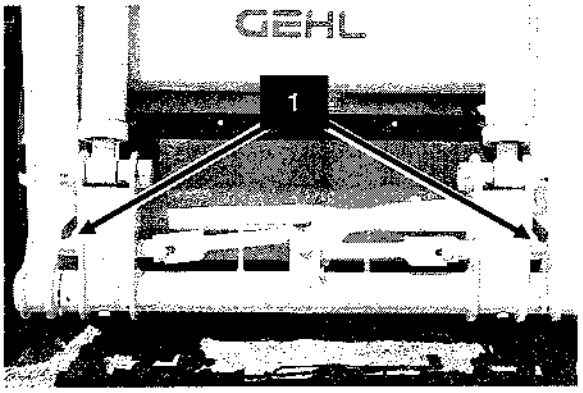


Fig. 8: Quick Tach Lever in "Engaged" Position all the way to the Left (Attachment Removed for Clarity)

1. Latch Pin Extending from Quick-Tach

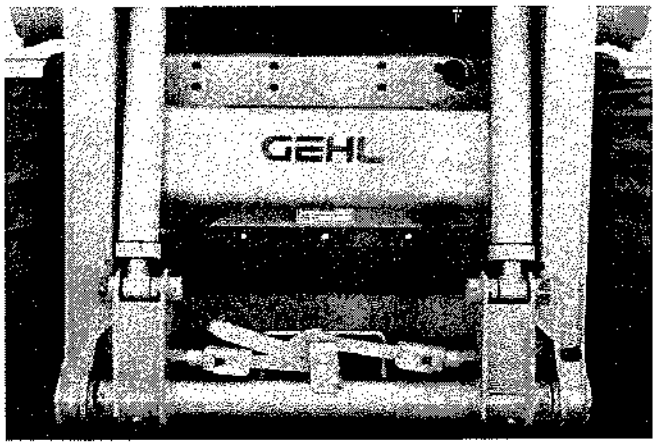


Fig. 9: Quick-Tach Lever in "Release" Position all the way to the Right (Attachment Removed for Clarity)

LIFT CYLINDER MECHANICAL LOCK (Figs. 10 & 11)

A Mechanical Lock is provided on the left Lift Cylinder and it is to be used as a Cylinder lock to prevent the raised Lift Arm from unexpectedly lowering while servicing the Loader. BE SURE to engage the Lock and secure it with the Retainer provided whenever the Lift Arm is raised. When the Lock is NOT being used, secure it to the Anchor Pin on the underside of the Lift Arm using the Lock Pin and Retainer provided.

The Lift Cylinder Mechanical Lock is a safety device which must be kept in proper operating condition at all times. To use the Cylinder Lock, proceed as follows:

⚠ WARNING

BEFORE leaving the Operator's Compartment to work around the outside of the Loader with the Lift Arm raised, ALWAYS engage the Lift Cylinder Mechanical Lock. Also, turn the Keyswitch to the Off position, remove the Key and take it with you.

Lock Engagement

To engage the Lift Cylinder Mechanical Lock, proceed as follows:

1. Lower the Lift Arm into contact with the Loader Frame.
2. Turn the Keyswitch to the Off position to Stop the Engine, remove the Key and take it with you.
3. Leave the Operator's Compartment and remove the Lock Pin and Retainer which holds the Lock up against the Lift Arm. Allow the Lock to come down into contact with the Lift Cylinder.
4. Return to the Operator's Compartment and restart the Engine.
5. Move the Lift Control to raise the Lift Arm until the Lock drops over the end of the Lift Cylinder and around the Cylinder Rod. Then, slowly lower the Lift Arm until the free-end of the Lock contacts the top end of the Lift Cylinder.
6. Look, to make sure that the Lock is secure against the Cylinder End. Then, stop the Loader Engine and leave the Operator's Compartment.
7. Reinstall the Lock Pin through the holes in the Cylinder Lock and secure it with the Retainer. This will secure the Lock to the Cylinder Rod to prevent the Lock from accidentally slipping off.

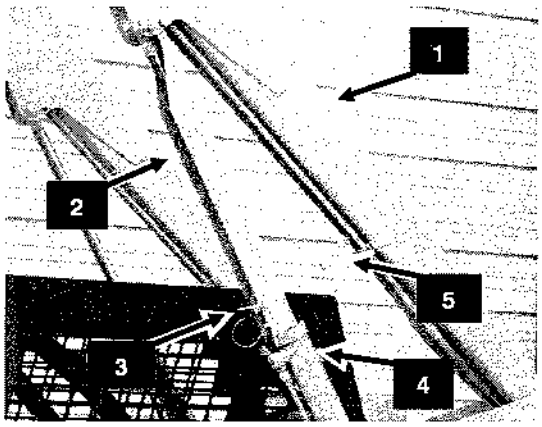


Fig. 10: Lift Arm Raised & Lock "Engaged"

1. **Lift Arm**
2. **Lift Cylinder Mechanical Lock "Engaged"**
3. **Lock Pin & Retainer Assembly**
4. **Left Side Lift Cylinder**
5. **Anchor Pin**

Lock Disengagement

⚠ WARNING

NEVER attempt to disengage the Lift Cylinder Lock by leaving the Operator's Compartment while the Engine is running.

To return the Lift Cylinder Mechanical Lock to its "storage" position, proceed as follows:

1. Raise the Lift Arm completely.
2. Turn the Keyswitch to the Off position to Stop the Engine, remove the Key and take it with you.

⚠ CAUTION

BEFORE performing Step 3, below, MAKE SURE the area BELOW the Lift Arm and Attachment is clear.

3. Before leaving the Operator's Compartment, check to make sure that the Lift Arm is being held in the raised position by the Solenoid Valve (See the following NOTE).

NOTE: *With the Keyswitch OFF, and if the Solenoid Valve is working properly, the Arm should remain in the raised position when the Lift Control is moved forward. If the Valve does NOT hold the Arm and the Arm begins to lower, do NOT leave the Operator's Compartment. Instead, have another person place the Lock into the "storage" position for you. Then, contact your Gehl dealer to determine the reason why the Lift Arm lowers while the Keyswitch is in the "off" position.*

4. To store the Lock, raise it up until it contacts the Lift Arm and install the Lock Pin through the hole in the Lock Anchor Pin under the Lift Arm. Secure the Pin with the Retainer, provided.

AUXILIARY HYDRAULICS

Standard Flow Auxiliary Hydraulics (Fig. 12)

Models 3825SX, 4625SX and 4625DX Loaders are shipped from the factory with standard flow Auxiliary Front Hydraulic connections. A pair of Quick-disconnect Fittings, located at the left, inside corner of the Lift Arm, can be used for operating Attachments (Grapple, Backhoe, etc.).

T-Bar Controlled Loaders: A Footpedal is used to control the direction of oil flow. A stop is provided on 4625 models to lock the footpedal for continuous operation.

Hand/Foot Controlled Loaders: the right T-Bar is twisted to control the direction of oil flow. A stop is provided to lock the T-Bar for continuous operation.

NOTE: *Field install Kits are available for adding Auxiliary Hydraulics to models 3725, 3825, 4525, and 4625 Loaders. Refer to the Attachments & Accessories Chapter in this manual for ordering information.*

High Flow Auxiliary Hydraulics (Fig. 13)

In addition to standard flow Auxiliary Front Hydraulic connections, model 4625DX Loaders are shipped from the factory with High Flow Auxiliary Hydraulics. An additional pair of Quick-disconnect Fittings, located at the right, front corner of the Lift Arm, can be used for operating high hydraulic oil flow Attachments (Cold Planer, Snowblower, etc.).

A two-position, Toggle Switch is used to control the operation of the High Flow Hydraulics. The two positions on the Toggle Switch are:

OFF - which disables output to the Quick-disconnect Fittings.

ON - which pressurizes the Top Male Port.

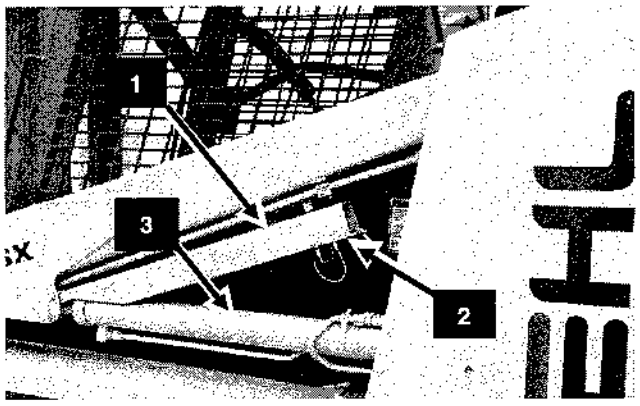


Fig. 11: Lift Arm Lowered & Lock "Stored"

1. **Lift Cylinder Mechanical Lock in "Storage" Position**
2. **Lock Pin & Retainer Assembly**
3. **Left Side Lift Cylinder**

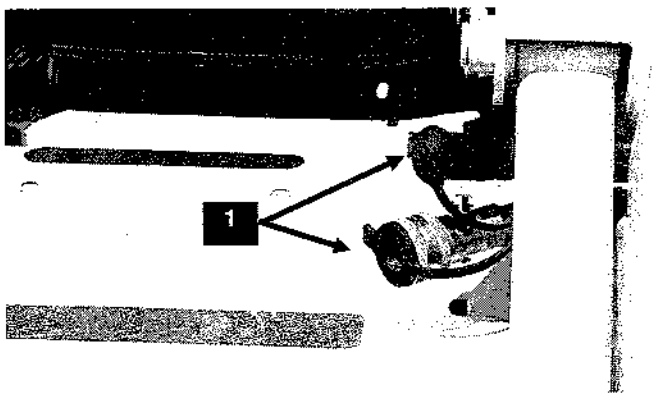


Fig. 12: Standard Flow Auxiliary Hydraulics

1. **Standard Flow Quick-disconnects**

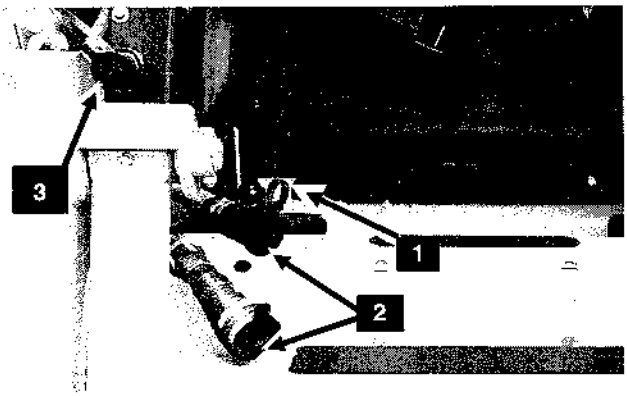


Fig. 13: High Flow Auxiliary Hydraulics

1. **High Flow Auxiliary Hydraulics Control Switch**
2. **High Flow Quick-disconnects**
3. **Case Drain Line**

CHAPTER 6
OPERATION

GENERAL INFORMATION
(Fig. 14)

CAUTION

BEFORE starting the Engine and operating the Loader, review and comply with ALL safety recommendations set forth 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 Seat Belt and lower the Operator Restraint Bar.

Before Starting Engine

Before starting the Engine and running the Loader, refer to the "Controls & Safety Equipment" Chapter and familiarize yourself with the various operating controls, Indicators and safety devices on the Loader.

1. Carefully step up onto the back of the Bucket or Attachment while grasping the Handles to get into the Operator's Compartment.
2. Sit on the Seat, Fasten the Seat Belt and lower the Restraint Bar.
3. Check that both Control T-Bars are in their "Neutral" positions.
4. Push the Throttle forward to half of full speed.

Starting the Engine

WARNING

ALWAYS fasten your Seat Belt and lower the Restraint Bar BEFORE starting the Loader Engine.

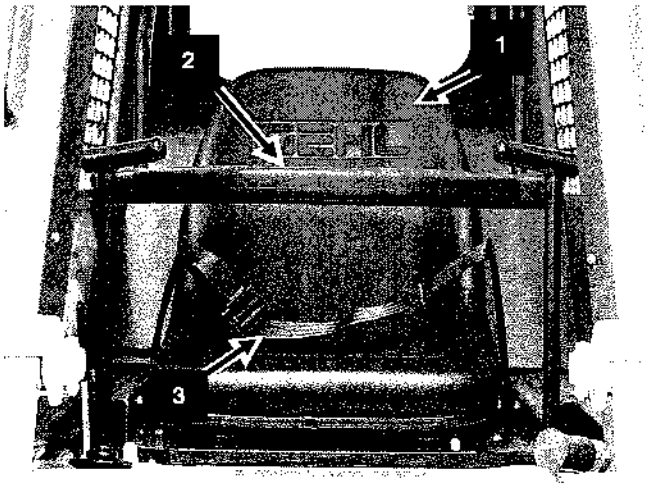


Fig. 14: Operator's Compartment

1. Operator's Seat
2. Operator Restraint Bar in "Lowered" Position
3. Seat Belt

The following procedure is recommended for starting the Loader Engine:

NOTE: *When the Key is turned to "ON" position, all monitoring Lights will come on and the Buzzer will sound momentarily, as a system check.*

1. Turn the Keyswitch to "ON" position.

   On **Gasoline** models *(3725 & 4525)*, if required (as determined by the ambient temperature), pull out the Choke Knob. Then, turn the Key to the "START" position to start the Engine. After the Engine has warmed-up, push the Choke Knob all the way in.

   On **Diesel** models *(3825 & 4625)*, the starter is disabled until the "***Green***" run light comes on. Turning the key switch to the "***Start***" position ***will not*** engage the starter. The glow plugs are on while the run light is off. The glow plug cycle will be between ***10 to 40 seconds,*** depending on the engine temperature.
2. When the "**Green**" run light comes on, turn the key to the "**Start**" position.

NOTE: *Crank the Starter until the Engine is started. If the Engine fails to start within 15 seconds, return the key to the "Off" position, wait 2 minutes, and repeat the starting procedure. Cranking the engine for longer than 15 seconds will result in premature failures of the Starter and the Fuel Shut-off Solenoid.*

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

Cold Starting Procedures

A Block Heater is recommended for starting in temperatures of 20°F or lower. See your Gehl Dealer for recommended Heater.

Stopping the Loader

The following procedure is the recommended sequence for stopping the Loader:

1. Check that Propulsion Control T-Bar(s) are in the "Neutral" position.
2. Using the Lift/Tilt Control, lower the Lift Arm and rest the Attachment on the ground.
3. Pull the Throttle Lever back to the Idle position *(and/or take your foot off the Accelerator Pedal for T-Bar controlled machines).*
4. Turn the Keyswitch Key to the Off position to shut the Engine off.
5. Raise the Restraint Bar, unlatch the Seat Belt and grasp the Handles while climbing out of the Operator's Compartment.

NOTE: *This Skid Loader is equipped with a Spring Applied Automatic Parking Brake. The Parking Brake is engaged when the Operator lifts the Restraint Bar, leaves the Operator's Seat, shuts the engine off and/or when the manual switch is in the out position.*

Loader Movement

The Hydrostatic Drive of the Skid Loader controls forward and reverse direction and speed. As rapidly as the Propulsion Control(s) are moved to the straight "Neutral" position, movement of the Wheels is slowed accordingly.

CAUTION

A combination of high heat and excessive loads may cause the engine to overheat. See the Troubleshooting chapter in this manual for further instruction.

CAUTION

Operate the Propulsion Controls gradually and smoothly when starting, stopping, turning and reversing Loader directions. Excessive speed can be hazardous. ALWAYS exercise caution and good judgment while operating the Skid Loader.

First Time Operation

CAUTION

BE SURE the area being used for test-running is clear of spectators and obstructions. For the first time, operate the Loader with an empty Bucket.

Smoothest and most efficient Loader operation is achieved while running the Engine at half-throttle. Make sure the Engine is warm and then, follow instructions appropriate for your type of Loader.

T-Bar Controlled Loaders (Figs. 15, & 16): Using your right hand, slowly and smoothly pull straight back on the Lift/Tilt Control T-Bar to raise the Lift Arm. Twist the T-Bar to roll the Bucket forward or back. Attempt all raising and lowering functions, and combinations of the two functions before proceeding to operate the Propulsion Control T-Bar. ALWAYS lower the Lift Arm and roll the Bucket back BEFORE proceeding to operate the Propulsion T-Bar.

Using your left hand, slowly and smoothly move the Propulsion Control T-Bar straight forward to travel

ahead. Then, slowly pull the T-Bar backward to "Neutral" to stop forward movement. To travel backwards, slowly and smoothly move the T-Bar straight back. Then, return the Propulsion Control T-Bar to the "Neutral" position to stop reverse movement. Next, twist the Propulsion T-Bar slowly clockwise to turn right and counterclockwise to turn left. Attempt all forward, reverse and turning movements before proceeding to operate both T-Bars at the same time.

Hand & Foot Controlled Loaders (Fig. 17): To raise the Liftarm, use your heel to push down on the rear of the left Foot Pedal. To lower the Liftarm, use your toe to push down on the front of the left Pedal.

The right Foot Pedal controls the tilting motion of the attachment. To tilt the attachment rearward, use your heel to push down on the rear of the right Pedal: to tilt the attachment forward, use your toe to push down on the front of the right Pedal.

Attempt all raising and lowering functions, and combinations of the two functions before proceeding to operate the Propulsion Control T-Bars. ALWAYS lower the Lift Arm and roll the Bucket back before proceeding to operate the Propulsion T-Bars.

Using both hands, slowly and smoothly move the Propulsion Control T-Bars straight forward to travel ahead. Then, slowly pull the T-Bars backward to "Neutral" to stop forward movement. To travel backwards, slowly and smoothly move the T-Bars straight back. Then, return the T-Bars to the "Neutral" position to stop reverse movement.

To Turn during Travel: Move the right T-Bar further forward then the left to turn left. Move the left T-Bar further forward than the right to turn right.

To Pivot: Move the right T-Bar forward and the left T-Bar rearward to pivot to the left. Move the left T-Bar forward and the right T-Bar rearward to pivot to the right.

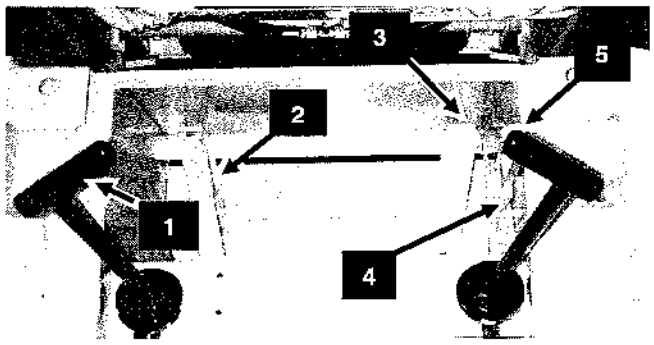


Fig 15: 3725/3825 T-Bar Controls

1. Propulsion Control T-Bar
2. Auxiliary Hydraulics Control Footpedal
3. Foot Throttle
4. Hand Throttle
5. Lift/Tilt Control T-Bar

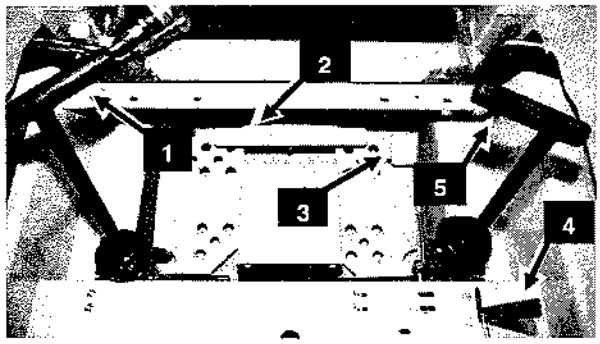


Fig. 16: 4525/4625 T-Bar Controls

1. Propulsion Control T-Bar
2. Auxiliary Hydraulics Control Footpedal
3. Foot Throttle
4. Hand Throttle
5. Lift/Tilt Control T-Bar

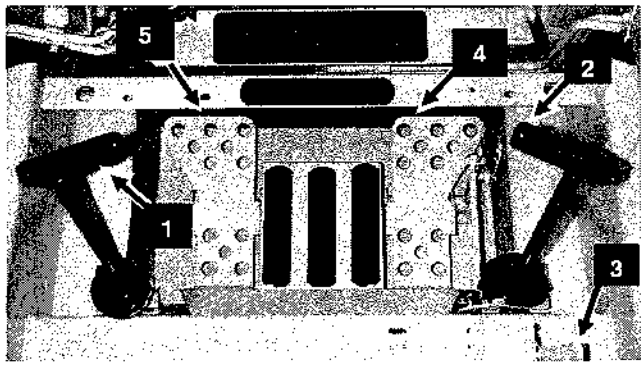


Fig. 17: 4525/4625 Hand & Foot Controls

1. Left Propulsion Control T-Bar
2. Right Propulsion Control T-Bar & Auxiliary Hydraulics
3. Hand Throttle
4. Attachment Tilting (right foot pedal)
5. Attachment Lifting (left foot pedal)

Skid Loader operating skills are only obtained through proper coordination of the Loader's forward and reverse movements, with raising and lowering the Lift Arm and with rolling the Bucket forward and back. To gain proficiency, practice all Control T-Bar operations until you are capable of performing the movements without mistake or hesitation.

NOTE: *If the Loader Engine kills while either T-Bar is being operated, the T-Bar must be returned to its "Neutral" position before the Engine can be restarted.*

⚠ CAUTION

BEFORE leaving the Operator's Compartment, BE SURE to lower the Lift Arm or engage the Lift Cylinder Mechanical Lock, as appropriate. Then remove the Keyswitch Key.

NOTE: *If the Loader will not start, the Liftarm can be lowered by sitting in the Operator's Seat with the Restraint Bar down, and turning the Key to the "ON" position, then lowering the Liftarm.*

CHANGING ATTACHMENTS (Fig. 18)

⚠ WARNING

To prevent unexpected Attachment release from the Lift Arm, BE SURE to properly secure the Quick-Tach Mechanism Lock Pins by rotating the Latch Lever all the way to the left.

The Skid Loader features a Quick-Tach Latching and Locking Mechanism for mounting an Attachment to the front of the Lift Arm. The Quick-Tach mechanism uses a single Latch Lever control for attaching and detaching the Attachment.

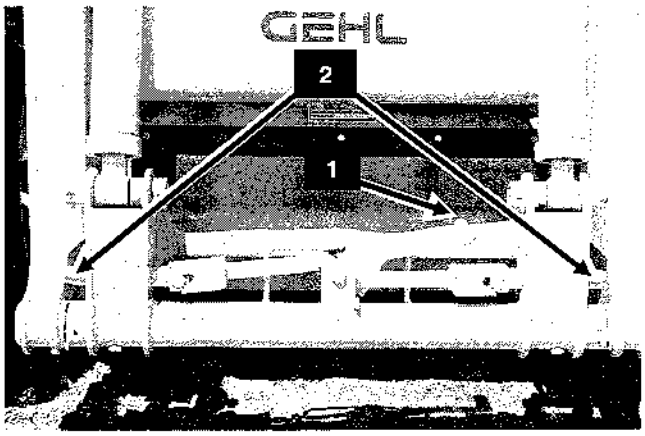


Fig. 18: Quick-Tach

1. Quick-Tach Lever Locked (all the way to the Left)
2. Quick-Tach Lock Pin (1 on each side)

Attaching

1. Rotate the Latch Lever completely to the right (as viewed from the Operator's Compartment) to fully retract the Latchpins.
2. Start the Loader Engine and make sure the Lift Arm is lowered and in contact with the Loader Frame.
3. Align the Loader squarely with the back of the Attachment.
4. Roll the Quick-Tach mechanism forward until the mating parts of the mechanism are in-line with and slightly below the Hooks on the back of the Attachment.
5. Slowly drive the Loader forward and, at the same time, roll the Quick-Tach mechanism back to engage the Hooks on the Attachment.
6. Stop forward travel when the Hooks are engaged but, continue to roll the Quick-Tach mechanism back to pick the Attachment up off the ground. Exercise the **MANDATORY SAFETY SHUTDOWN PROCEDURE (page 10).**
7. With the Loader Engine OFF, leave the Operator's Compartment, and swing the Latch Lever completely to the left (as viewed from the Operator's Compartment) to fully engage the Latchpins.
8. To check that the Attachment is properly installed, apply down pressure to the Attachment prior to operating.

Detaching

1. Roll the Quick-Tach mechanism backward until the Attachment is off the ground. Exercise the **MANDATORY SAFETY SHUTDOWN PROCEDURE (page 10).**
2. With the Loader Engine OFF, leave the Operator's Compartment, and rotate the Latch Lever completely to the right (as viewed from the Operator's Compartment) to fully retract the Latchpins.
3. Start the Loader Engine and make sure that the Lift Arm is lowered and in contact with the Loader Frame.
4. Roll the Quick-Tach mechanism forward and slowly back the Loader until the Attachment is free from the Loader.

AUXILIARY FRONT HYDRAULICS

NOTE: *For Loaders equipped with Auxiliary Front Hydraulics, refer to the "Auxiliary Hydraulics" topic in the "Controls and Safety Equipment" Chapter for operating details.*

SELF-LEVELING

Models **3825SX, 4625SX** and **4625DX** Loaders are provided with a hydraulic self-leveling feature. This feature is designed to keep the attachment level while the Lift Arm is being raised. A field installation Kit is available to install this feature on models 3725, 3825, 4525 and 4625 Loaders.

MATERIAL DENSITIES

The Table at the right lists densities for some common materials which could be carried in a Bucket. The densities listed are average values and intended only as a guide for Bucket selection. For a material which is NOT in the Table, obtain its density value before selecting the appropriate Bucket.

To prevent exceeding the operating capacity of the Loader, use the Table of Common Material Densities to determine the proper size Bucket to use, based on the type of material to be carried.

SAE OPERATING CAPACITIES

Model	Weight in lbs.	Weight in kg.
3725	950	432
3825	1000	455
4525	1225	557
4625	1350	614

To use the table, find the material name and see what its maximum density is. Then, divide the operating capacity of the Loader by the material density to determine the **maximum** size Bucket to use for a heaped load.

NOTE: *Where the material density is listed as a range (Clay at 80-100 lb/ft^3, for example), always use the maximum density (100 lbs/ft^3 in this example) for making calculations. (Also, see the following Examples.)*

EXAMPLE 1: If clay (density of 80-100 lbs/ft^3) is to be hauled using a **3725** Loader, the maximum Bucket size is **(950 lbs ÷ 100 lbs/ft^3 = 9.5 cubic feet)**. Therefore, you could safely use a Bucket that has a capacity of **9.5 cubic feet or less.**

EXAMPLE 2: If clay (density of 80-100 lbs/ft^3) is to be hauled using an **4525** Loader, the maximum Bucket size is **(1225 lbs ÷ 100 lbs/ft^3 = 12.25 cubic feet).** Therefore, you could safely use a Bucket that has a capacity of **12.25 cubic feet or less.**

CAUTION

NEVER exceed the rated operating capacity of the Loader as shown on the Capacity Decal.

Table of Common Materials and Densities

Material	Density in (lb./ft.^{3})	Density in (kg/m^3)
Ashes	35-50	560-800
Brick-common	112	1792
Cement	110	1760
Charcoal	23	368
Clay	80-100	1280-1600
Coal	53-63	848-1008
Concrete	115	1840
Cinders	50	800
Coal-anthracite	94	1504
Coke	30	480
Earth-dry loam	30	480
Earth-wet loam	65	1040
Granite	93-111	1488-1776
Gravel-dry	66	1056
Gravel-wet	90	1440
Gypsum-crushed	115	1840
Iron Ore	145	2320
Lime	60	960
Lime Stone	90	1440
Manure-liquid	65	1040
Manure-solid	45	720
Peat-solid	47	752
Phosphate-granular	90	1440
Potash	68	1088
Quartz-granular	110	1760
Salt-dry	100	1600
Salt-Rock-solid	135	2160
Sand-dry	108	1728
Sand-wet	125	2000
Sand-foundry	95	1520
Shale-crushed	90	1440
Slag-crushed	70	1120
Snow	15-50	240-800
Sulpha	95	1520
Taconite	107	1712

The Specifications Chapter lists the available Buckets and their capacities to help you determine which size Bucket to use. You can always use a smaller capacity Bucket, but NOT a Bucket with greater capacity then the calculated MAXIMUM unless it is only partially filled.

⚠ WARNING

ALWAYS maintain a safe distance from electric power lines and avoid contact with any electrically charged conductor or gas line! Accidental Contact or rupture can result in electrocution or an explosion! Contact the "Digger's Hotline" or proper local authorities for utility line locations BEFORE starting to dig!

Digging with and Loading a Bucket (Figs. 19 through 22)

To dig with and load a Bucket, first lower the Lift Arm down into contact with the Loader Frame and then roll the Bucket's Cutting Edge down into contact with the ground. Move the Loader into material and, as Engine loads, roll Bucket back slowly and, at same time, pull back gradually on Propulsion T-Bar(s) to decrease travel speed while still maintaining Wheel torque.

When attempting to fill the Bucket while working with most hard-packed materials, it will usually be necessary to raise the Lift Arm while rolling the Bucket back. Also, avoid driving onto the material to be picked-up, if at all possible.

⚠ WARNING

ALWAYS carry loaded Bucket with Lift Arm resting on Loader Frame. For additional stability when operating on inclines, ALWAYS travel with heavier end of Loader to the top of the incline.

With the Bucket filled, back the Loader away from the material and rest the Lift Arm against the Loader Frame before proceeding to the dumping area.

Dumping the Load Onto a Pile

Carry loaded Bucket as low as possible until reaching the pile. Slowly stop forward motion and raise the Lift Arm high enough so that the Bucket clears the top of the pile. Then, slowly move the Loader ahead to position the Bucket to dump the material on top of the pile. Empty the Bucket and back the Loader away while lowering the Lift Arm and rolling the Bucket back.

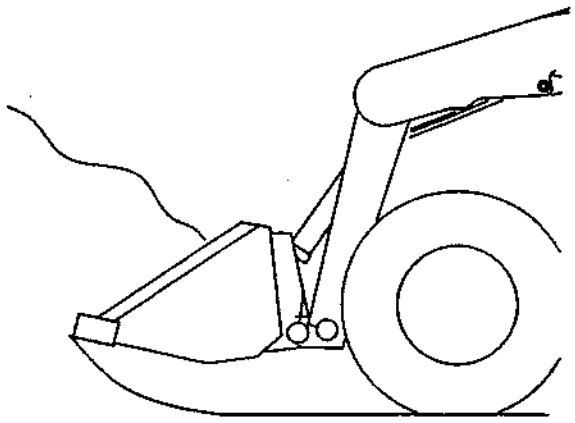


Fig. 19: Loading the Bucket

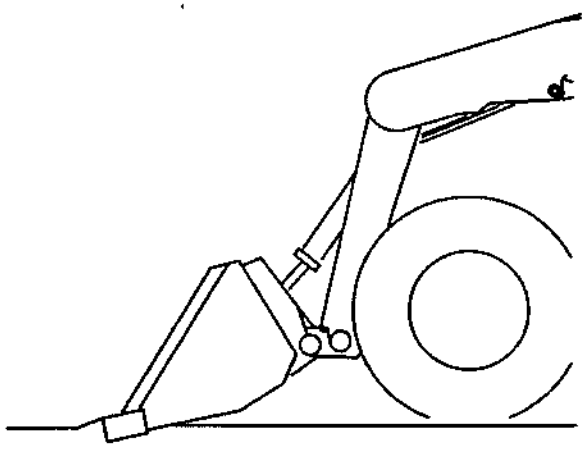


Fig. 20: Digging in Hard-packed Materials

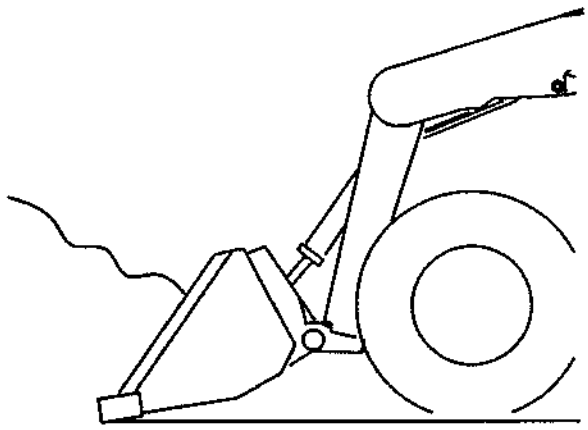


Fig. 21: Digging in Loose Materials

⚠ WARNING

NEVER push the Controls into the "Float" position with the Bucket or Attachment loaded and/or raised. Doing so could cause the Lift Arm to lower rapidly and the Bucket or Attachment to dump.

Dumping the Load Into a Box

Carry the loaded Bucket low and approach the truck, trailer or spreader box squarely with the side of the box. Stop your approach as close to the side of the box as possible while still allowing clearance for raising the Lift Arm and loaded Bucket. Then, raise the Lift Arm until the Bucket clears the top of the box and move the Loader ahead to position the Bucket over the inside of the box. After the material is dumped, back away from the box and lower the Lift Arm while rolling the Bucket back.

Dumping the Load Over a Solid Embankment

⚠ CAUTION

Do NOT drive too close to an excavation or ditch; BE SURE the surrounding ground has adequate strength to support the weight of the Loader and the load.

Carry the loaded Bucket as low as possible while traveling toward the dumping area. Stop the Loader at the position where the Bucket extends half-way over the edge of the embankment. Then, roll the Bucket forward and raise the Lift Arm to dump the material. After the material is dumped, back away from the embankment while lowering the Lift Arm and rolling the Bucket back.

Scraping with a Bucket (Figs. 23 & 24)

For scraping, the Skid Loader should be operated in the forward direction. First, position the Lift Arm down against the Loader Frame. Tip the Bucket Cutting Edge at a slight angle to the surface being scraped. While traveling slowly forward, with the Bucket in this position, material can flow over the Cutting Edge and collect inside the Bucket.

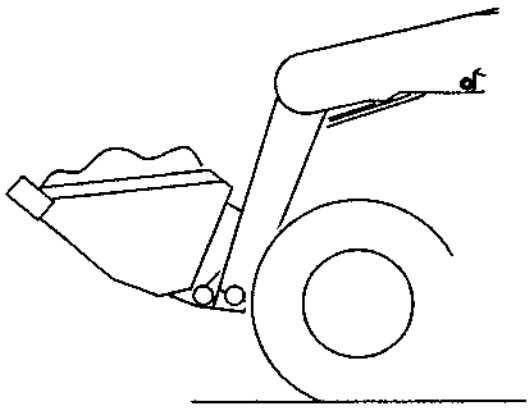


Fig.22: Carrying the Load

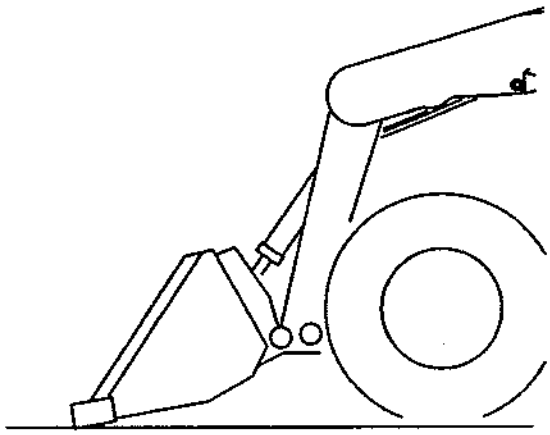


Fig. 23: Positioning Bucket for Scraping

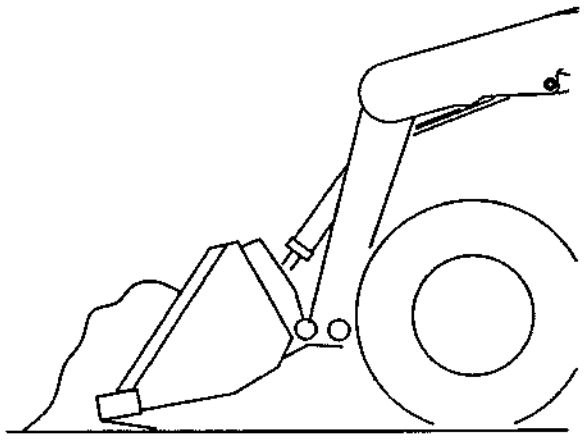


Fig. 24: Scraping with a Bucket

Leveling with a Bucket (Fig. 25)

First drive the Loader to the outer edge of the area to be leveled. Then, with the Lift Arm down against the Frame, push the Lift/Tilt T-Bar *(T-Bar Controlled Loaders)*, or Left Foot Pedal*(Hand & Foot Controlled Loaders)*, into the "float" position and roll the Bucket forward to place the Bucket Cutting Edge at a 30 to 45 degree angle to the surface being leveled. Proceed to drive the Loader backwards dragging the dirt and, at the same time, leveling it.

NOTE: *The "float" (detent) position for T-Bar Controlled Loaders is reached by pushing the right T-Bar all the way forward. For Hand -Foot Controlled Loaders use your toe to push the front of the left Foot Pedal all the way down. This position opens both work ports to the Reservoir and thus allows the Lift Arm to"float" while the Bucket follows the ground contour.*

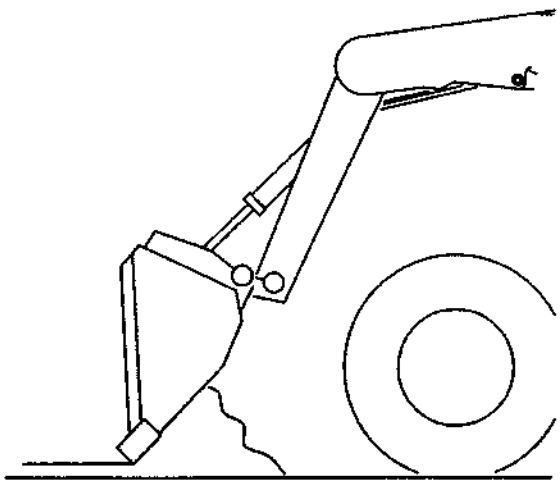


Fig. 25: Leveling with a Bucket

HIGHWAY TRAVEL (Fig. 26)

When it becomes necessary to frequently move the Loader over long distances, obtain and use a GEHL LT8500 Loader Trailer. For short distance highway travel, attach a SMV (Slow Moving Vehicle) Emblem (purchased locally) to the mounting holes provided in the Rear Grill. For highway operation, obtain and install Amber Dual Flashers or a Strobe Light.

LIFTING & TIE-DOWN LOCATIONS (Fig. 26)

Four tie-down holes are provided near the bottom of the Loader for inserting chains through to secure the Loader while transporting.

If the Loader has to be lifted (using a crane), first purchase Lifting Kit (805805) from your local GEHL dealer and install it on the front corners of the Loader using the holes provided. At the rear of the Loader, two lifting holes are provided (one on each rear riser).

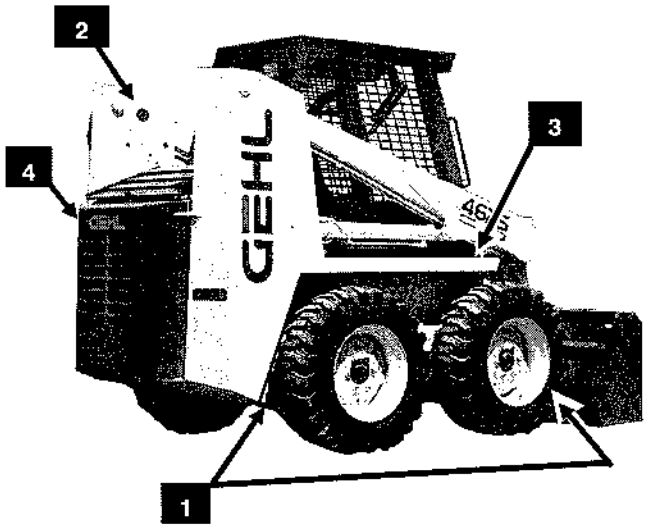


Fig. 26: Lifting & Tie Down Locations

1. Tie-down Hole Location (2 each side)
2. Rear Lifting Hole Location (1 each side)
3. Lifting Kit Mounting Location (1 each side)
4. Slow Moving Vehicle Mounting Holes

LONG TERM STORAGE

If your Skid Loader is to be stored for a long period of time, the following procedures are suggested.

1. Tires should be fully inflated.
2. Lubricate all grease zerks.
3. Check all fluid levels.
4. Add stabilizer to fuel per fuel suppliers recommendations.
5. Remove battery, fully charge, and store in a cool, dry location.
6. Protect against extreme weather conditions such as moisture, sunlight, and heat.

CHAPTER 7
ADJUSTMENTS

LOADER RAISING PROCEDURE

The following procedure should be used to raise the Skid Loader so that all four (4) Tires ARE NOT contacting the ground.

WARNING

BEFORE beginning this service procedure, exercise the MANDATORY SAFETY SHUTDOWN PROCEDURE (page 10).

WARNING

DO NOT rely on a jack or hoist to maintain the "raised" position without additional blocking and supports. Serious personal injury could result from improperly raising and/or blocking the Skid Loader.

1. For blocking the Loader, obtain solid wooden blocks that measure 6" to 8" wide and about 12" long. Obtain enough so that when stacked, the blocks for each corner of the Loader will measure at least 7 1/2" tall. The exact quantity will be determined once the Loader is raised off its Tires.
2. Using a jack or hoist capable of lifting at the fully-equipped weight of the Loader (with all attached options), lift the rear of the Loader until the rear Tires are off the ground.
3. Place a 7 1/2" stack of wooden blocks under the flat part of the Loader Chassis. They should run parallel with, but not touch, the rear Tires. **(See Fig. 27)**
4. Slowly lower the Loader so its weight rests on the blocks. If the Tires still touch the ground, raise the Loader again, and add more blocks, then lower again.
5. Repeat steps 2 thru 4 for the front end of the Loader. When the procedure is finished, all four Tires should be off the ground so they can be removed if necessary. **(See Fig. 27)**

LOADER LOWERING PROCEDURE

1. When service or adjustment procedures are complete, the Skid Loader can be taken down from the "raised" position. Lower the Loader back onto its Tires as follows:
2. Using a jack or hoist, raise the front of the Loader until its weight no longer rests on the front blocks.
3. Carefully remove the blocking under the front of the Loader.
4. Slowly lower the Loader until the front Tires are resting on the ground.
5. Repeat Steps 1 thru 3 for the rear of the Loader. When the procedure is finished, all four (4) Tires should be on the ground and the blocking should be removed from under the Loader.

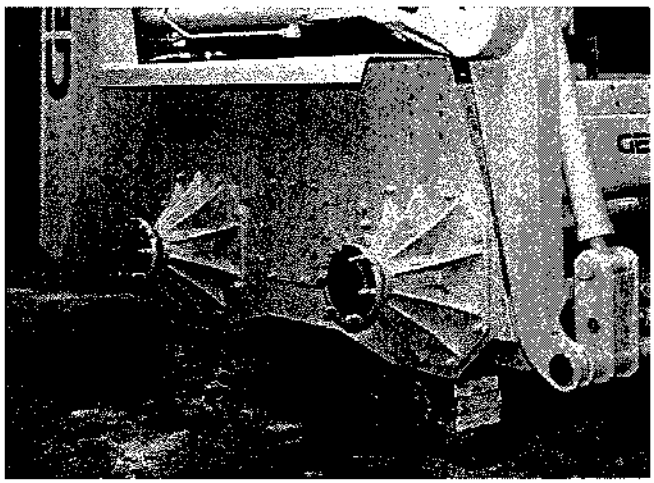


Fig. 27: Skid Loader properly Blocked (the Tires and Wheels are removed to show Blocks).

⚠ CAUTION

BEFORE Proceeding to perform any adjustments on the Skid Loader, exercise the MANDATORY SAFETY SHUTDOWN PROCEDURE (page 10).

ENGINE

Skid Loaders are provided with separate Engine maintenance manuals which should be consulted for Engine related specifications, adjustments, maintenance and service information.

CONTROL T-BARS

Both Control T-Bars are factory adjusted and should require NO further readjustment. If the Control T-Bars are removed for service, refer to the Shop Manual or your Gehl Dealer for proper settings and adjustment details.

THROTTLE LEVER & ACCELERATOR PEDAL

The Skid Loader is equipped with a right hand-operated Throttle Lever.

T-Bar controlled Loaders are also equipped with a right foot-operated Accelerator Pedal. *(Optional on 3725/3825).*

The Cables and Linkage used to interconnect the Accelerator Pedal to the throttle Lever, and the Throttle Lever to the Engine Governor, have adjustable Yokes for altering the Cable lengths and amounts of travel required to go from idle to full speed. Both Cables are factory adjusted and should require NO further readjustment. If the Cables are removed for service, refer to the Shop Manual or your Gehl Dealer for proper adjustment details.

In addition to the Throttle Cable adjustment, the Throttle Lever Friction Pad pressure can be readjusted if the Throttle Lever does NOT hold its position. A Bellville Washer and Lock Nut are provided for making this adjustment.

DRIVE CHAINS (Fig. 28)

Skid Loader Drive Chain tension should be checked after every 100 hours of operation. To properly adjust the Drive Chain tension on either side of the Loader, follow directions appropriate for your Loader Model.

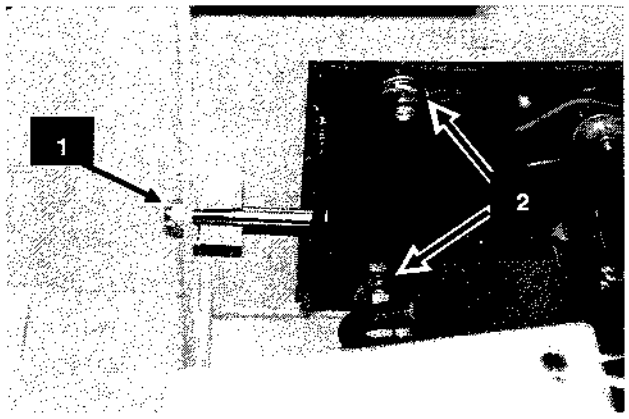


Fig. 28: 3725/3825 Primary Drive Chain Adjustment

1. **Right Side Primary Drive Chain Adjustment Lock nut**
2. **Hardware Securing Right Side Takeup Plate (4)**

3725/3825 Drive Chains(Figs. 28 & 29)

1. Raise the Loader off the ground following the "Loader Raising Procedure" topic at the beginning of this Chapter. Then, Unbolt, tilt-back, and lock the Overhead Guard.
2. To gain access to the Drive Chains, remove the Access Cover and Gasket, located at the top of the Chain Case.
3. Adjust the Primary Drive Chain first. Loosen, but do not remove the Takeup Plate mounting hardware. From inside the Operators Compartment, tighten the Primary Drive Chain Adjustment Locknut **(see Fig. 28)** until approximately 1/4" (6mm) of chain deflection is obtained midway between the Sprockets. After the proper Chain tension is obtained, retighten the Takeup Plate hardware.
4. Rotate the Front and Rear Tires (by hand) towards each other so that the slack sides of the Chains are at the top.
5. Loosen the Jam Nut and then tighten the Adjustment Nut for either of the two Chains. This will cause the Idler Assembly to lower and there by increase tension on the Chain. Proper tension exists when approximately 1/4" (6mm) of chain deflection is obtained midway between Sprockets. After the proper Chain tension is obtained, retighten the Jam Nut.
6. Repeat step 5 for other Chain.
7. Repeat steps 2 through 6 for other side of Loader.
8. Replenish the Chaincase oil level to approximately 1" deep, if necessary. **(see Fig. 29)** Then, reinstall both Chaincase Access Covers and Gaskets.
9. Follow "Loader Lowering Procedure" topic at the beginning of this chapter to return Loader to the ground. Lower the ROPS.

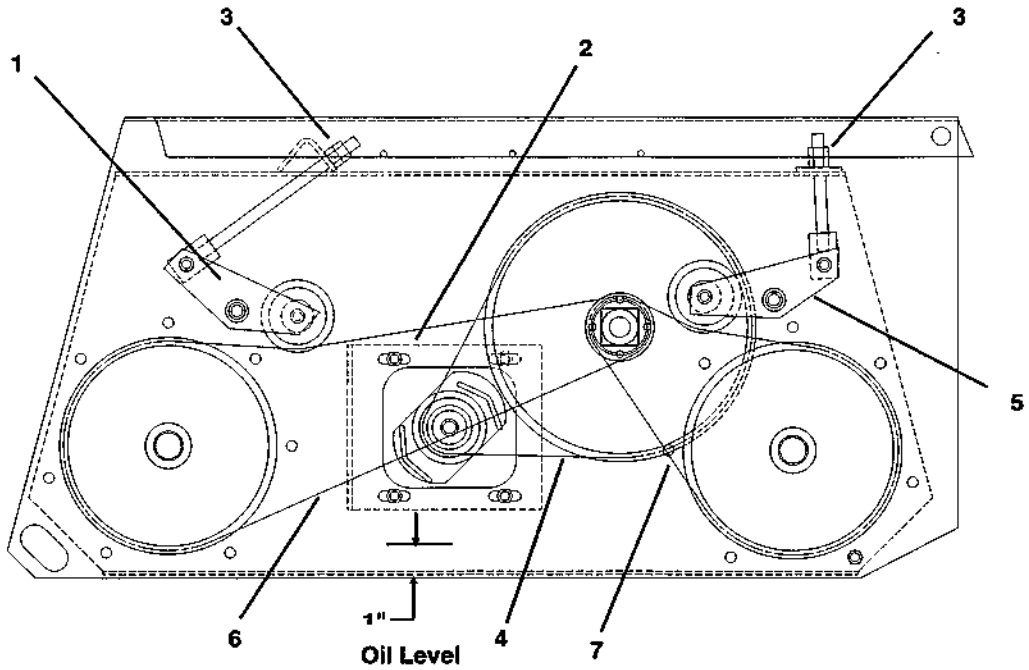


Fig. 29: 3725/3825 Adjusting Drive Chain Tension
(Left side shown, Right side Typical)

1. **Front Adjuster**
2. **Primary Drive Chain Takeup Plate**
3. **5/8" Nut & Adjustment Nut**
4. **Primary Drive Chain**
5. **Rear Adjuster**
6. **Front Drive Chain**
7. **Rear Drive Chain**

4525/4625 Drive Chains (Fig. 30)

1. Raise the Loader off the ground following the "Loader Raising Procedure" topic at the beginning of this chapter.
2. Remove the Access Cover at the outside, center of the Chaincase (between the Wheels) to gain access to the Drive Chain Front and Rear Take-up Assemblies.
3. Rotate the Front and Rear Tires (by hand) towards each other so that the slack sides of the Chains are at the top.
4. Working through the access hole, loosen the Jam Nut and Lock Nut, and then tighten the Adjustment Nut on either of the two Chains. This will cause the Idler Assembly to lower and thereby increase tension on the Chain. Proper tension exists when all slack (sag) is gone.
5. After the proper Chain tension is obtained, retighten the Jam Nut and Lock Nut.
6. Repeat steps 4 through 5 for other Chain.
7. Repeat steps 2 through 6 for other side of Loader.
8. If necessary, Replenish the Chaincase oil level to 1/4" deep as measured just below Access opening. **(see Fig. 30)** Then, reinstall both Chaincase Access Covers using Loctite© #598 Silicon RTV or equivalent between the Cover and the Chaincase.
9. Follow "Loader Lowering Procedure" topic at the beginning of this chapter to return Loader to the ground.

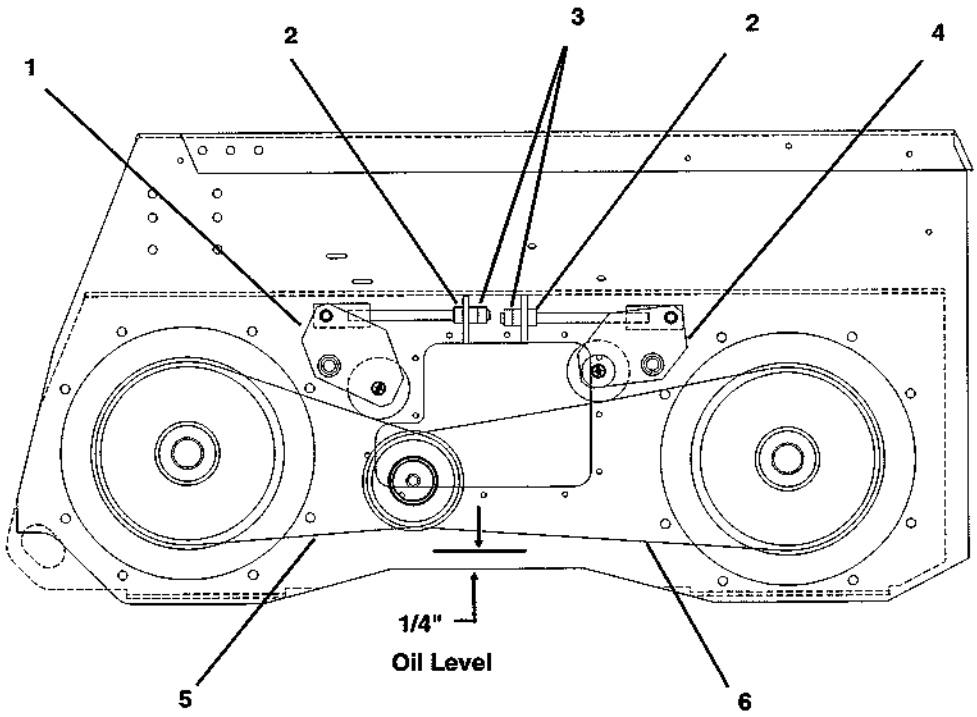


Fig. 30: 4525/4625 Adjustment Drive Chain Tension

(Left side shown, Right side Typical)

1. **Front Adjuster**
2. **5/8" Jam Nut**
3. **5/8" Adjustment Nut & Lock Nut**
4. **Rear Adjuster**
5. **Front Drive Chain**
6. **Rear Drive Chain**

CHAPTER 8
LUBRICATION

GENERAL INFORMATION

CAUTION

NEVER attempt to lubricate or service this unit when any part of the machine is in motion. ALWAYS BE SURE to exercise the MANDATORY SAFETY SHUTDOWN PROCEDURE (page 10) BEFORE proceeding to lubricate or service this equipment.

NOTE: *The Maintenance Log Chapter in this manual has provisions for recording the dates and Hourmeter readings after lubrication or other service has been performed; use those spaces to keep a log for maintaining a current service interval record. Proper routine lubrication is an important factor in preventing excessive part wear and early failure.*

LUBRICANTS

The following chart lists the locations, temperature ranges and types of recommended lubricants to be used when servicing this machine. Also refer to the separate Engine Manual (provided) for additional information regarding recommended Engine lubricants, quantities required and grades.

NOTE: *Refer to Operator Services topic in Service Chapter of this manual for detailed information regarding periodical checking and replenishing of lubricants.*

GREASING

Refer to the following pages for fitting locations and greasing frequencies. Wipe dirt from the fittings before greasing them to prevent contamination. Replace any missing or damaged fittings. To minimize dirt build-up, avoid excessive greasing.

Hydraulic System Reservoir

Use a Mobil DTE 15M, or Amoco Rykon 46, or equivalent which contains anti-rust, anti-foam, and anti-oxidation additives and conforms to ISO VG46.

Capacity:
Models: **SL3725/3825**: 8 Gallons (30 liters)
Models: **SL4525/4625**: 10 Gallons (37.8 liters)

Chaincases

Use SAE 10W-30 motor oil.

Capacity (each side):
Models: **SL3725/3825**: 1 Gallon (3.8 liters)
Models: **SL4525/4625**: 1.5 Gallons (5.7 liters)

All Grease Fittings

Use No. 2 Lithium-based Grease

Crankcase Oil (Ford Gasoline Engine)

Ambient Temperature	Grade*
Below 10°F (-12°C)	SAE 20 or 5W-30
10°F (-12°C) & Above	SAE 30, 10W-30 or 15W-40

***Service Classification: API - SH, SH/CC or SH/CD**

Capacity:
Models: **3725 & 4525**: 3.5 Quarts (3.25 liters)

Crankcase Oil (Kubota Diesel Engine)

Ambient Temperature	Grade**
Below 32°F (0°C)	SAE 10 or 10W-30
32-77°F (0-25°C)	SAE 20 or 10W-30
Above 77°F (25°C)	SAE 30 or 10W-30

****Service Classification: API - CD/CE/CF-4**

Capacity
Model: **3825**: 6.3 Quarts (6 liters)
Model: **4625**: 2.5 Gallons (9.5 liters)

Planetary Gear Oil (4525/4625 Models Only)

Use API-GL-5 80W90
Capacity: 1 Quart (.9 liters)

LUBRICATION LOCATIONS

Every 10 Hours (or daily)

1. Grease Lift Arm Pivots (2)
2. Grease Lift Cylinder Pivots (4)
3. Grease Tilt Cylinder Pivots (4)
4. Grease Quick-Tach Pivots (2)
5. Check Engine Oil Level
6. Check Hydraulic Oil Level

Every 100 Hours

7. Grease T-Bar Pivots (2)
8. Replace Engine Oil and Filter
9. Check Oil Level in Chaincases
   a. **3725/3825 Models**
   b. **4525/4625 Models**
10. Check Planetary Oil Level **(4525/4625 Models Only)**

Every 200 Hours

11. Check Governor Oil Level **(Gasoline Models Only)**
12. Grease Fitting on Governor **(Gasoline Models Only)**

Grease Every 500 Hours (Or Annually)

13. Axle Bearings (4)*
14. Replace Hydraulic Oil
15. Replace Chaincase Oil
    a. **3725/3825 Models**
    b. **4525/4625 Models**

* Remove Wheels for Access to Fittings

See the Service Chapter of this Manual for further details

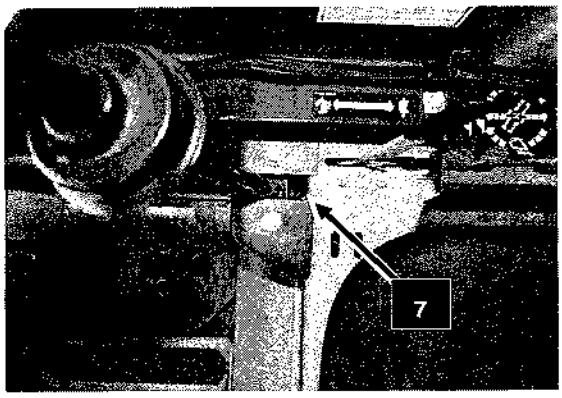


Fig. 31: T-Bar Pivot

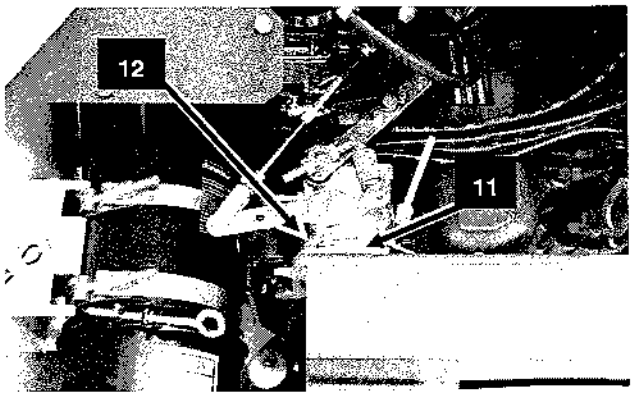


Fig. 32: Governor (Gasoline Models only)

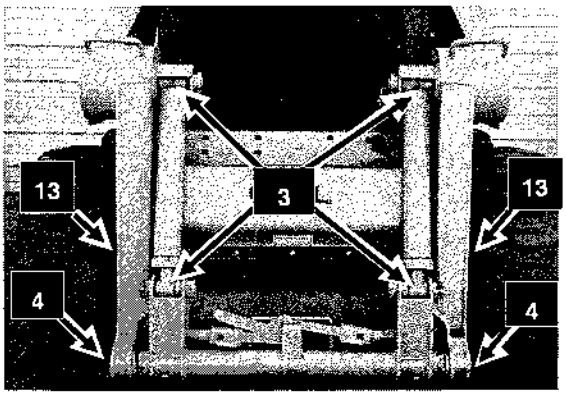


Fig: 33: Lift and Tilt Pivots & Axle Bearings

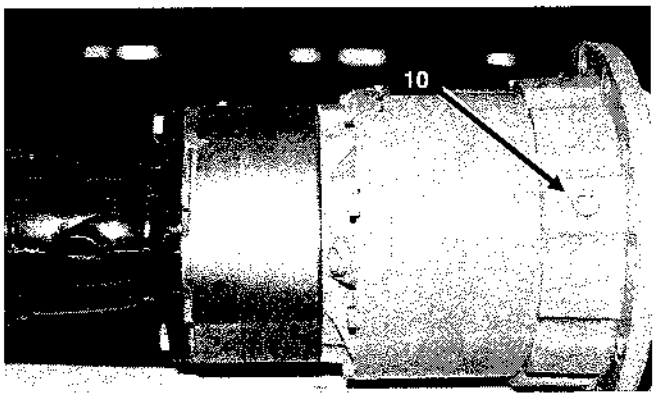
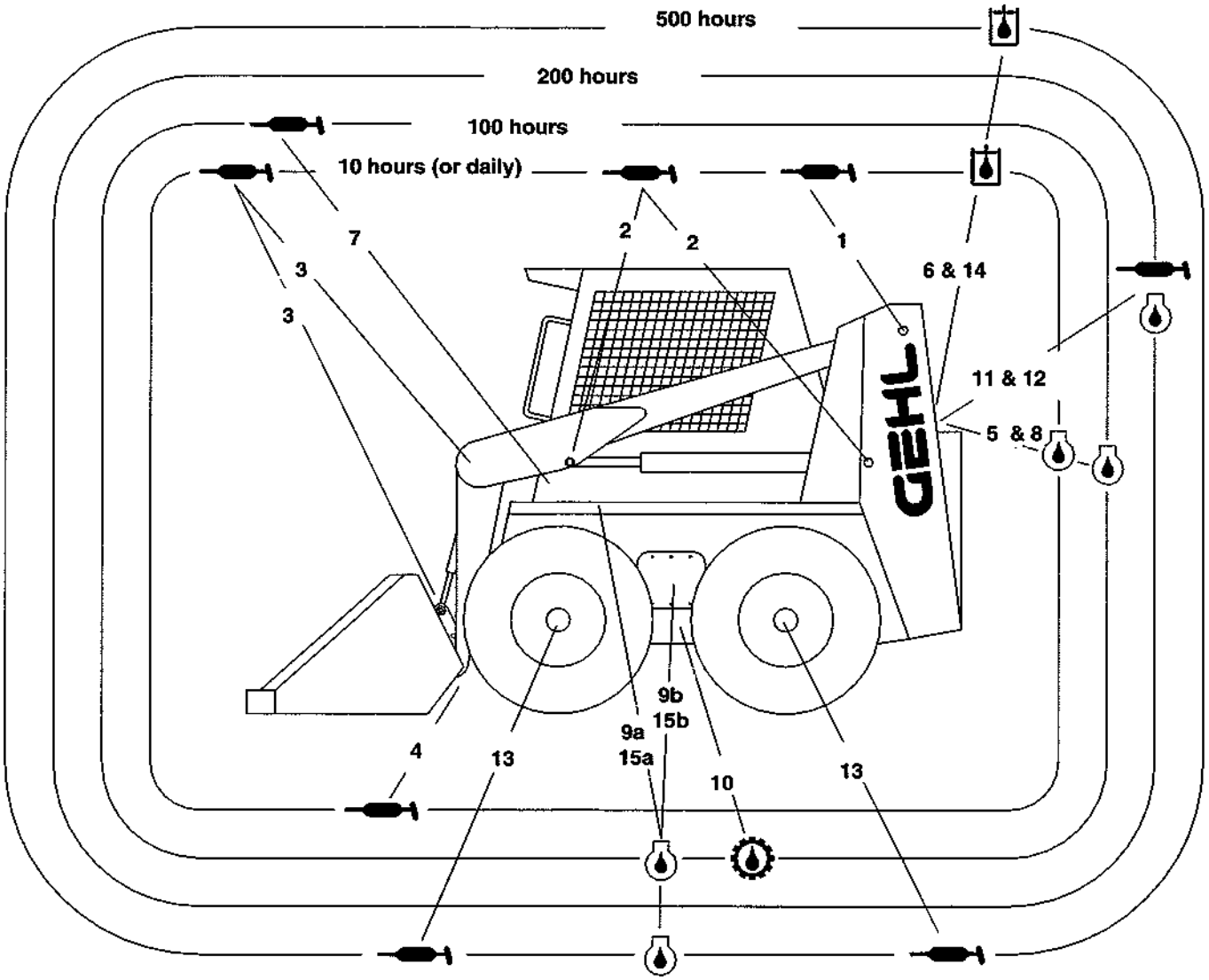


Fig. 34: Planetary Gear Case (4525/4625 Models only)

LUBRICATION CHART

Detailed views shown on previous page



CHAPTER 9
ATTACHMENTS & ACCESSORIES

All Specifications are in English (Metric) Units

The Gehl Company reserves the right to change specifications without notice.

3725/3825 ATTACHMENTS

NOTE: *To order Attachments, and for information on additional Attachments contact your Gehl dealer.*

Attachment Hook Kit

A bolt on Attachment Hook Kit enables attachment/detachment of components to the Lift Arm of the **SL3725/3825** loader. This kit consists of right and left Bucket Hook assemblies which match the Quick - Tach Attachment mount.

Description	Weight
Attachment Hook Kit	59 lbs (27kg)

Backhoes

The **SL3725/3825** Skid Loader Frame can be adapted with provisions for operating a Backhoe. The Backhoe kit consists of a Mounting Plate, Hydraulics Hoses, Couplers, and Backhoe. Auxiliary Hydraulics are needed to run this attachment.

Description	Weight
Model BH8MD (Frame Mounted)	1270 lbs (576kg)
12" (305mm) Power Dig Bucket	125 lbs (57kg)
18" (457mm) Power Dig Bucket	150 lbs (68kg)
24" (610mm) Power Dig Bucket	175 lbs (79kg)

Brooms

A 60" (1524mm) wide Poly-wire Broom is available for the **SL3725/3825** Loader from your Gehl Dealer.

Description	Weight
Model S24	660 lbs (299kg)

Buckets

Several size Buckets for different purposes are available for the **SL3725/3825** loader. Refer to the Operator's Chapter of this manual for mounting and removal information. Contact your Gehl Dealer for assistance in ordering the right Bucket for your application.

Description	Weight
50" (1270mm) wide Utility	205 lbs (93kg)
54" (1372mm) wide Dirt/Construction	200 lbs (91kg)
54" (1372mm) wide Utility	210 lbs (95kg)
54" (1372mm) wide Fertilizer	240 lbs (109kg)
60" (1524mm) wide Utility	235 lbs (106kg)
60" (1524mm) wide Light Material	250 lbs (113kg)
60" (1524mm) wide Produce/Snow	265 lbs (120kg)

Pallet Fork

The Pallet Fork attachment for the **SL3725/3825** loader consists of a Carriage and two 36" (914mm) Tine Forks. The Forks have built - in locking Handles and Pins which engage equally spaced holes in the Carriage.

Description	Weight
Pallet Fork with Tines	260 lbs (117kg)

Post Hole Augers

Two models of Augers are available for mounting on the **SL3725/3825** loader. The Auger Attachment consists of a Mounting Plate, Auger Drive Head, and Auger. To purchase the right Auger for your application contact your Gehl Dealer.

Description	Weight
Model 460	155 lbs (70kg)
Model 1200	205 lbs (93kg)
6" (152mm) Auger	50 lbs (27kg)
9" (229mm) Auger	85 lbs (39kg)
12" (305mm) Auger	100 lbs (45kg)
14" (356mm) Auger Extension	30 lbs (14kg)
24" (610mm) Auger Extension	50 lbs (27kg)

Trencher

A Trencher is available for the **SL3725/3825** loader. The Trencher Attachment Kit consists of a Mounting Plate, Hoses, Couplers, and Trencher.

Description	Weight
Model HT7	550 lbs (249kg)

Utility Fork and Grapple

A 54" (1372mm) wide Utility Fork and Grapple are available for the **SL3725/3825** loader. Auxiliary Hydraulics are needed to run this attachment. See your Gehl Dealer for ordering information.

Description	Weight
Utility Fork Grapple	155 lbs (70kg)
Utility Fork	173 lbs (78kg)

3725/3825 ACCESSORIES

All Accessories listed are field installed. Information for field installation of Accessories will be provided with the appropriate kit of parts, if applicable. Contact your Gehl dealer for information on additional Accessories, factory installed Accessories, or ordering assistance.

Description	Weight
• Back - Up Alarm Kit	5 lbs (2.3kg)
• Dirt and Rock Teeth, set of 7 (for use with 50" (1270mm) Utility, 54" (1372mm) or 60" (1524) Dirt/Construction Buckets only)	20 lbs (9kg)
• Drawbar Kit	10 lbs (4.5kg)
• Dual Element Air Cleaner *	7 lbs (3.2kg)
• Enclosed Alternator - for Diesel Engines	20 lbs (9kg)
• Engine Block Heater - for Gas Engines	2 lbs (0.9kg)
• Engine Block Heater - for Diesel Engines	2 lbs (0.9kg)
• Exhaust Purifier Kit - for Diesel Engines (non - Spark Arresting)	21 lbs (905kg)
• Foot Throttle Kit *	5 lbs (2.3kg)
• Front Auxiliary Hydraulics Kit *	30 lbs (13.6kg)
• Heater/Defroster Kit	19 lbs (8.6kg)
• Horn Kit	5 lbs (2.3kg)
• Hydraulic Self Leveling Kit - Lift Action *	16 lbs (7.3kg)
• Hydraulic Reservoir Heater	5 lbs (2.3kg)
• Hydraulic Coupler Kit (2 Couplers and Fittings) - 1/2" size	5 lbs (2.3kg)
• Light Kit (2 front, 1 rear) *	6 lbs (2.7kg)
• Light Kit - Strobe	10 lbs (4.5kg)
• Light Kit - Dual Flasher and Tail Light	10 lbs (4.5kg)
• Pre - Cleaner	6 lbs (2.7kg)
• Pre - Cleaner - Centrifugal	15 lbs (6.8kg)
• ROPS Enclosure - Rigid All Weather with Door Kit (order Rear Window for non - SX loaders)	70 lbs (32kg)
• ROPS Enclosure - Vinyl	24 lbs (10.8kg)
• ROPS Front Door Kit	50 lbs (23kg)
• ROPS Front Door Wiper Kit	6 lbs (2.7kg)
• ROPS Rear Window Kit *	10 lbs (4.5kg)
• ROPS Side Window Kit	40 lbs (18kg)
• Seat Belt - 3" (76mm) Wide (where required by law)	5 lbs (2.3kg)
• Seat/Suspension	32 lbs (14.5kg)
• Sound Deadening Package - Standard *	15 lbs (6.8kg)
• Sound Deadening Package - Deluxe	26 lbs (11.8kg)
• Tires- 7 x 12 Solid on Rim - 1 only	155 lbs (70kg)
• Tires - 5.70 x 15 4 ply on Rim - 1 only	35 lbs (16kg)
• Tires - 27 x 8.5 x 15 4 ply Flotation on Rim - 1 only	50 lbs (23kg)
• Tires - 27 x 10.5 x 15 6 ply Flotation on Rim - 1 only	65 lbs (29kg)
• Tires - 27 x 8.5 x 15 6 ply Heavy Duty on Rim - 1 only	60 lbs (27kg)
• Vandalism Kit	5 lbs (1.8kg)

* Accessories noted are standard on SX models

4525/4625 ATTACHMENTS

NOTE: *To order Attachments,and for information on additional Attachments contact your Gehl dealer.*

Attachment Hook Kit

A bolt on Attachment Hook Kit enables attachment/detachment of components to the Lift Arm of the **SL4525/4625** loader. This kit consists of right and left Bucket Hook assemblies which match the Quick - Tach Attachment mount.

Description	Weight
Attachment Hook Kit	62 lbs (28kg)

Backhoes

The **SL4525/4625** Skid Loader Frame can be adapted with provisions for operating a Backhoe. The Backhoe kit consists of a Mounting Plate, Hydraulics Hoses and Couplers, and Backhoe.

Description	Weight
Model BH9HD (Frame Mounted)	1606 lbs (728kg)
12" (305mm) Power Dig Bucket	120 lbs (54kg)
18" (457mm) Power Dig Bucket	145 lbs (66kg)
24" (610mm) Power Dig Bucket	170 lbs (77kg)
36" (914mm) Power Dig Bucket	211 lbs (96kg)
Model BH8MD (Lift Arm Mounted)	1270 lbs (576kg)
Model BH9MD (Lift Arm Mounted)	1385 lbs (628kg)
Model BH9MD (Lift Arm Mounted with Vertical Stabilizers)	1385 lbs (628kg)
12" (305mm) Power Dig Bucket	125 lbs (57kg)
18" (457mm) Power Dig Bucket	150 lbs (68kg)
24" (610mm) Power Dig Bucket	175 lbs (79kg)

Breaker

A Breaker is available for mounting onto the **SL4525/4625** Loader Lift Arm. The Breaker Kit consists of a Mounting Plate, Quick Attach Hooks, Hoses, Hydraulic Hoses and Couplers, and Moil Point.

Description	Weight
Model HB500	600 lbs (272kg)

Brooms

Three models of Brooms are available for mounting on the **SL4525/4625** loader. Poly-wire Brooms can be ordered in 60" (1524mm) and 72" (1829mm) widths. A 60" (1524mm) wide Bucket Sweeper is also available.

Description	Weight
Model HB60 Bucket/Sweeper	1000 lbs (454kg)
Model S24 60" (1524mm) Broom	660 lbs (299kg)
Model S24 72" (1829mm) Broom	1075 lbs (488kg)

Buckets

Several size Buckets for different purposes are available for the **SL4525/4625** loader. Refer to the Operator's Chapter of this manual for mounting and removal information. Contact your Gehl Dealer for assistance in ordering the right Bucket for your application.

Description	Weight
60" (1524mm) Dirt/Construction	300 lbs (136kg)
60" (1524mm) Utility	330 lbs (150kg)
60" (1524mm) Industrial	645 lbs (293kg)
65" (1651mm) Dirt/Construction	320 lbs (145kg)
65" (1651mm) Dirt/Construction with teeth	345 lbs (156kg)
65" (1651mm) Light Material	415 lbs (188kg)
65" (1651mm) Utility	410 lbs (186kg)
68" (1727mm) Dirt/Construction	450 lbs (204kg)
72" (1829mm) Produce/Snow	280 lbs (127kg)

Industrial Bucket & Grapple

A 60" (1524mm) wide Industrial Bucket and Grapple Kit is available for the **SL4525/4625** loader. This Kit consists of an Industrial Bucket, Grapple, Hoses, and Couplers. See your Gehl Dealer for ordering information.

Description	Weight
Industrial Bucket and Grapple	785 lbs (356kg)

Cold Planer

A Cold Planer attachment is available for the **SL4625DX** Skid Loader. The Kit contains a Mounting Plate, Hydraulic Hoses and Couplers, and Cold Planer. Cutting Drums are sold separately.

Description	Weight
CP416 Cold Planer less Drum	1538 lbs (698kg)
Drums available for use with the CP416:	
Slot Cutter 2 1/2" (64mm) wide	54 lbs (25kg)
All Purpose 16" (406mm) wide	233 lbs (105kg)

4525/4625 ATTACHMENTS

Pallet Fork

Two Pallet Fork attachments are available for the **SL4525/4625** loader. Pallet Fork Kits consist of a Carriage and two 36" (914mm) or 42" (1066mm) Tine Forks. The Forks have built - in locking Handles and Pins which engage equally spaced holes in the Carriage.

Description	Weight
Pallet Fork with 2-36" (914mm) Tines	240 lbs (109kg)
Pallet Fork with 2-42" (1069mm) Tines	255 lbs (116kg)

Post Hole Augers

Two models of Augers are available for mounting on the **SL4525/4625** loader. The Auger Attachment Kit consists of a Mounting Plate, Auger Drive Head, and Auger. To purchase the right Auger for your application contact your Gehl Dealer.

Description	Weight
Model 1200	205 lbs (93kg)
Model 1650	370 lbs (168kg)
6" (152mm) Auger	50 lbs (27kg)
9" (229mm) Auger	85 lbs (39kg)
12" (305mm) Auger	100 lbs (45kg)
18" (457mm) Auger	140 lbs (64kg)
24" (610mm) Auger	185 lbs (84kg)
14" (356mm) Auger Extension	30 lbs (14kg)
24" (610mm) Auger Extension	50 lbs (27kg)

Trenchers

Two models of Trenchers are available for the **SL4525/4625** loader. The Trencher Attachment Kit consists of a Mounting Plate, Hoses, Couplers, and Trencher.

Description	Weight
Model HT7	700 lbs (318kg)
Model 14B	850 lbs (386kg)

Utility Fork and Grapple

A 60" (1524mm) wide Utility Fork and Grapple are available for the **SL4525/4625** loader. See your Gehl Dealer for ordering information.

Description	Weight
Utility Fork	220 lbs (100kg)
Utility Fork Grapple	195 lbs (88kg)

4525/4625 ACCESSORIES

All Accessories listed are field installed. Information for field installation of Accessories will be provided with the appropriate kit of parts, if applicable. Contact your Gehl dealer for information on additional Accessories, factory installed Accessories, or ordering assistance.

Description	Weight
• Adapter Plate - Bobcat®	135 lbs (61kg)
• Adapter Plate - Toyota®	120 lbs (54kg)
• Auto - Shut Down System (for use on 4625 SX or DX models only)	5 lbs (2.3kg)
• Back - Up Alarm Kit	7 lbs (3.2kg)
• Dirt and Rock Teeth, set of 8 (for 60" (1524mm) or 65" (1651mm) Dirt/Construction Buckets only)	21 lbs (9.5kg)
• Drawbar Kit	10 lbs (4.5kg)
• Dual Element Air Cleaner *	7 lbs (3.2kg)
• Enclosed Alternator - for Diesel Engines	10 lbs (4.5kg)
• Engine Block Heater - for Gas Engines	2 lbs (0.9kg)
• Engine Block Heater - for Diesel Engines	2 lbs (0.9kg)
• Exhaust Purifier Kit - for Diesel Engines (non - Spark Arresting)	21 lbs (9.5kg)
• Front Auxiliary Hydraulics Kit *	52 lbs (24kg)
• Front Weight Kit	100 lbs (45kg)
• Heater/Defroster Kit	19 lbs (8.6kg)
• Horn Kit	5 lbs (2.3kg)
• Hydraulic Self Leveling Kit - Lift Action *	15 lbs (6.8kg)
• Hydraulic Reservoir Heater	5 lbs (2.3kg)
• Hydraulic Coupler Kit (2 Couplers and Fittings) - 1/2" size (ISO)	5 lbs (2.3kg)
• Hydraulic Coupler Kit (2 Couplers and Fittings) - 3/4" size	5 lbs (2.3kg)
• Light Kit (2 front, 1 rear) *	6 lbs (2.7kg)
• Light Kit - Strobe	10 lbs (4.5kg)
• Light Kit - Dual Flasher and Tail Light	10 lbs (4.5kg)
• Pre - Cleaner - Centrifugal	15 lbs (6.8kg)
• ROPS Enclosure - Rigid All Weather with Door Kit (order Rear Window for non - SX/DX loaders)	107 lbs (49kg)
• ROPS Enclosure - Vinyl	25 lbs (11.3kg)
• ROPS Front Door Kit	57 lbs (26kg)
• ROPS Front Door Wiper Kit	6 lbs (2.7kg)
• ROPS Rear Window Kit *	10 lbs (4.5kg)
• ROPS Side Window Kit	50 lbs (23kg)
• Seat Belt - 3" Wide (where required by law)	5 lbs (2.3kg)
• Seat/Suspension	32 lbs (14.5kg)
• Sound Deadening Package - Standard *	20 lbs (9 kg)
• Sound Deadening Package - Deluxe	26 lbs (11.8kg)
• Tires - 6.5 x 16 Solid on Rim - 1 only	175 lbs (79kg)
• Tires - 7.00 x 15 6 ply on Rim - 1 only	60 lbs (27kg)
• Tires - 10 x 16.5 6 ply Flotation on Rim - 1 only	80 lbs (36kg)
• Tires - 10 x 16.5 6 ply Flotation Narrow on Rim - 1 only	80 lbs (36kg)
• Tires - 29 x 12.5 x 15 6 ply Extra Wide Lug on Rim - 1 only	90 lbs (41kg)
• Tires - 12 x 16.5 6 ply Flotation on Rim - 1 only	125 lbs (57kg)
• Tires - 10 x 16.5 8 ply Heavy Duty on Rim - 1 only	95 lbs (43kg)
• Tires - 12 x 16.5 10 ply Heavy Duty on Rim - 1 only	105 lbs (48kg)
• Vandalism Kit	4 lbs (1.8kg)
• Water Tank (for use with Cold Planer)	100 lbs (45kg)

* Accessories noted are standard on SX/DX models

CHAPTER 10
TROUBLESHOOTING

The following Troubleshooting Guide lists potential problems, as well as possible causes and remedies, for Gehl Skid Loaders.

When a problem occurs, don't overlook simple causes. A malfunction could be caused by something as simple as an empty Fuel Tank. After a mechanical failure has been corrected, be sure to locate the cause of the problem.

⚠ CAUTION

DO NOT attempt to service or repair major components, unless authorized to do so by your GEHL Dealer. Any Unauthorized Repair will Void the Warranty.

ELECTRICAL SYSTEM

PROBLEM	POSSIBLE CAUSE	REMEDY
Entire Electrical System does not function.	30 ampere (Master) Fuse, is blown.	Refer to the wiring diagram, check circuit and locate trouble (i.e., pinched wires, faulty connections, etc.) before replacing Fuse.
	Plug(s) at base of Instrument Panel are not properly plugged-in.	Remove Panel Cover and Check Plugs.
	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".	30 ampere (Master) Fuse or 5 ampere (Module) Fuse is blown.	Refer to the wiring diagram, check circuit and locate trouble before replacing Fuse(s).
	Battery Terminals or Cables are loose or corroded.	Clean Battery Terminals and Cables and retighten them.
Green "RUN" lamp does not come on with Operator in Seat and Restraint Bar Down when Key is turned to "ON".	Wiring to Seat or Restraint Bar Switch is disconnected or faulty.	Refer to wiring diagram, check circuit, locate trouble and repair as needed.
	Faulty Seat or Restraint Bar Switch.	Replace Seat and/or Restraint Bar Switches as needed.
	15 ampere (Solenoid) Fuse is blown.	Refer to wiring diagram, check circuit, and locate trouble before replacing Fuse.
	Bulb is burned out.	Replace Bulb.
	Faulty Glow Plug Control Module.	Replace Glow Plug Control Module inside Instrument Panel.
System goes through Glow Plug cycle but green "RUN" lamp does not come on.	Faulty Starter Solenoid.	Replace Starter Solenoid.

ELECTRICAL SYSTEM

PROBLEM	POSSIBLE CAUSE	REMEDY
Glow Plug cycle lasts for an excessive amount of time.	Faulty Temperature Sender. Poor connection to Temperature Sender.	Replace Temperature Sender. Check connections.
Fuel Gauge does not work.	Faulty Fuel Gauge Sender. Faulty Fuel Gauge. Poor connection to Temperature Sender.	Replace Fuel Gauge Sender. Replace Fuel Gauge. Check connections.
Engine Temperature Gauge does not work.	Faulty Temperature Sender. Faulty Temperature Gauge. Poor connection to Temperature Sender.	Replace Temperature Sender. Replace Temperature Gauge. Check connections.
Hour Meter does not work.	Hour Meter is disconnected. Faulty Hour Meter.	Reconnect Hour Meter to Circuit Board. Replace Hour Meter.
Starter will not engage when key is turned to "Start".	Seat or Restraint Bar Switch is not activated or is faulty. 5 ampere (Starter) Fuse is blown. Battery connections are loose or corroded. Faulty Starter Relay or Solenoid.	Make certain operator is in the Seat with the Restraint Bar down. Replace Switches as needed. Refer to the wiring diagram and locate trouble before replacing Fuse. Clean Battery terminals and cables and retighten them. Replace Starter Relay or Solenoid as needed.
Battery will not recharge.	Battery Terminals or Cables are loose or corroded. Battery or Alternator is defective.	Clean Battery Terminals and Cables and retighten them. Replace Cables as needed. Test Battery and Alternator. Replace as needed.
Work Lights not functioning properly.	Single Light doesn't work: Light bulb burned out, faulty wiring. No lights at all: 20 ampere (Lights) Fuse may be blown. Faulty Light Switch or Poor Ground.	Check and replace light bulb as needed. Check wiring connection to Light. Refer to wiring diagram, check circuit, and locate trouble before replacing Fuse. Replace Light Switch. Check Ground Wire connections.

ENGINE

PROBLEM	POSSIBLE CAUSE	REMEDY
Lift/Tilt and/or Propel Lock Solenoids do not work.	Wiring to Solenoids is disconnected or faulty.	Refer to wiring diagram, locate trouble, and repair as needed.
	15 ampere (Solenoid) Fuse is blown.	Refer to wiring diagram, check circuit, and locate trouble before replacing Fuse.
	Seat or Restraint Bar Switch Malfunctioning.	Sit on Seat and lower Restraint Bar. If Engine still doesn't start, contact your Gehl Dealer for assistance.
	Faulty Solenoid Valve Coil.	Contact your Gehl Dealer for assistance.

ENGINE

PROBLEM	POSSIBLE CAUSE	REMEDY
Engine will not turn over.	Battery Terminals or Cables corroded or loose.	Clean Battery Terminals and Cables and secure them tightly.
	Battery discharged or defective.	Recharge or replace Battery.
	Starter Solenoid not Functioning.	Troubleshoot circuit per wiring diagrams to locate trouble and repair or replace Starter Solenoid.
	Seat or Restraint Bar Switch Malfunctioning.	Sit on Seat and lower Restraint Bar. If Engine still doesn't start, contact your Gehl Dealer for assistance.
	Wiring to and from Ignition, Seat Switch, Restraint Bar Switch, etc... is loose or disconnected.	Check wiring for poor connections or broken leads and repair wiring or connection.
	Starter or Pinion faulty.	Remove Starter and repair or replace as needed.
Engine turns over but will not start.	Battery discharged or defective.	Check Battery charge. If after being recharged it still does not hold a charge, replace it.
	Engine cranking speed too slow.	Battery requires recharging or, in cold temperatures, pre-warm the Engine and Hydraulic oils.
	Fuel Tank empty.	Check for faulty Fuel Gauge Sender or refill Fuel Tank.
	Glow Plug Solenoid malfunctioning.	Check connection and voltage, replace if needed.

(continued on following page)

HYDROSTATIC SYSTEM

PROBLEM	POSSIBLE CAUSE	REMEDY
Engine turns over but will not start. (continued)	Fuel Shut-off Solenoid not energizing.	Check electrical connections and voltage to shut-off Solenoid.
	Engine and/or fuel not warm enough.	Cycle glow plugs or check glow plug wiring connections.
	Ambient Temperature is too low.	Install a Block Heater.
	Fuel Pump not working.	Refer to your Engine Manufacturer's manual.
	Air or moisture in the Fuel Line.	Bleed system per details in the Engine Manufacturer's manual.
Engine overheats.	Crankcase oil level too low or too high.	Add or remove oil as required.
	Engine overloaded.	Operate Loader at 1/2 to full throttle.
	Cooling system low on water or coolant.	Add water or coolant.
	Fan air circulation blocked or restricted.	With Engine OFF, remove blockage or restriction.
	Grade of oil improper or excessively dirty.	Drain and replace with clean oil of proper grade.
	Exhaust restricted.	Allow exhaust to cool, then remove the restriction.
	Air Filter is restricted.	Replace the Filter.

HYDROSTATIC SYSTEM

PROBLEM	POSSIBLE CAUSE	REMEDY
No response from either the Hydrostatic Drive or the Lift/Tilt Systems.	Hydraulic oil viscosity is too heavy.	Allow longer warm-up or replace existing oil with the proper viscosity oil.
	Hydraulic oil supply is to low.	Check for low oil level in Reservoir. Add oil as needed.
	Reservoir Strainer is plugged.	Remove Reservoir Cover and clean the Strainer. Inspect Reservoir for foreign objects plugging the system.
	Drive is disconnected.	Contact your Gehl Dealer for assistance.

HYDROSTATIC SYSTEM

PROBLEM	POSSIBLE CAUSE	REMEDY
Traction Drive will not operate in either direction.	Automatic Parking Brake is engaged.	Disengage Automatic Parking Brake by Sitting on Seat and lowering Restraint Bar. If Drive still doesn't function, contact your Gehl Dealer for assistance.
	Hydraulic oil supply is low.	Check for low oil level in Reservoir. Add oil if necessary.
	Control Rod Linkage disconnected.	Check Linkage connection at T-Bar and Neutral Centering Mechanisms. Reconnect Linkage.
	Low or no charge pressure.	Perform "Charge Pressure Test". Adjust System Relief Valve as needed.
	Tandem Pump Relief Valves are malfunctioning.	Inspect and clean the Relief Valves. Replace them as needed.
Neutral is difficult to maintain.	Control Rod Ball Joints loose at T-Bar or Pump Arm.	Check and tighten or replace components.
	Neutral Centering Mechanism(s) out of adjustment.	Contact your Gehl Dealer for assistance.
	Key is missing in one or both Tandem Pump Arms.	Install Key and torque Cap Screw on the Pump Arm to 30 ft./lbs.
Sluggish response to acceleration.	Air in the Hydraulic system.	Cycle Lift and Tilt Cylinders to maximum stroke and maintain pressure for a short time to clear air from system. Also check for low oil level in Reservoir, fill as needed.
	Hydraulic oil supply is too low.	Check for low oil level in Reservoir. Add oil as needed.
	Low Hydrostatic System charge pressure.	Contact your Gehl Dealer for assistance.
	Drive Motor(s) or Tandem Pump(s) have internal damage or leakage.	Contact your Gehl Dealer for assistance.
	Engine is not responding under load.	Contact your Gehl Dealer for assistance.

HYDRAULIC SYSTEM

PROBLEM	POSSIBLE CAUSE	REMEDY
Hydrostatic Drive is overheating.	Drive System overloaded continuously.	Improve efficiency of operation.
	Lift and Tilt System overloaded continuously.	Improve efficiency of operation.
	Drive Motor(s) or Tandem Pump(s) have internal damage or leakage.	Contact your Gehl Dealer for assistance.
	Oil Cooler Fins are plugged with debris.	Clean Oil Cooler Fins.
	Loader being operated in a high temperature area with no air circulation.	Reduce duty cycle and improve air circulation.
Hydrostatic (Drive) System is noisy.	Hydraulic oil viscosity is too heavy.	Allow longer warm-up or replace existing oil with the proper viscosity oil.
	Air in Hydraulic System.	Cycle Lift and Tilt Cylinders to maximum stroke and maintain pressure for a short time to clear air from system. Also check for low oil level in Reservoir, fill as needed.
	Drive Motor(s) or Tandem Pump(s) have internal damage or leakage.	Contact your Gehl Dealer for assistance.
Right side doesn't drive in either direction. Left side operates normally.	Excessive internal leakage in right Drive Motor.	Contact your Gehl Dealer for assistance.
	Excessive leakage in rear Tandem Pump.	Refer to the Pump manufacturer's manual for service procedures. Repair or replace rear Pump as needed.
	Key missing on rear Pump Arm Control Shaft.	Replace the Key. Torque Cap Screw on the Arm to 30 lbs.
	Relief Valves on rear Tandem Pump malfunctioning.	Contact your Gehl Dealer for assistance.
	Control Rod Linkage to rear Tandem Pump disconnected.	Attach Control Rod Linkage.

HYDRAULIC SYSTEM

PROBLEM	POSSIBLE CAUSE	REMEDY
Right side doesn't drive in forward direction.	Top Relief Valve on rear Tandem Pump is malfunctioning.	Contact your Gehl Dealer for assistance.
	Key missing on rear Pump Arm on Control Shaft.	Replace the Key. Torque Cap Screw on the Arm to 30 lbs.
	Rear Tandem Pump malfunctioning.	Refer to Pump manufacturer's manual for service procedures. Repair or replace rear Pump as needed.
Right side doesn't drive in reverse direction.	Bottom Relief Valve on rear Tandem Pump is malfunctioning.	Contact your Gehl Dealer for assistance.
	Key is missing from rear Pump Arm on Pump Arm Shaft.	Replace the Key. Torque Cap Screw on the Arm to 30 lbs.
	Rear Tandem Pump malfunctioning.	Refer to Pump manufacturer's manual for service procedures. Repair or replace rear Pump as needed.
Left side doesn't drive in either direction. Right side operates normally.	Excessive internal leakage in left Drive Motor.	Contact your Gehl Dealer for assistance.
	Excessive leakage in front Tandem Pump.	Refer to the Pump manufacturer's manual for service procedures. Repair or replace front Pump as needed.
	Key missing on front Pump Arm Control Shaft.	Replace the Key. Torque Cap Screw on the Arm to 30 lbs.
	Relief Valves on front Tandem Pump malfunctioning.	Contact your Gehl Dealer for assistance.
	Control Rod Linkage to front Tandem Pump disconnected.	Attach Control Rod Linkage.

HYDRAULIC SYSTEM

PROBLEM	POSSIBLE CAUSE	REMEDY
Left side doesn't drive in forward direction.	Top Relief Valve on front Tandem Pump is malfunctioning.	Contact your Gehl Dealer for assistance.
	Key missing on front Pump Arm on Control Shaft.	Replace the Key. Torque Cap Screw on the Arm to 30 lbs.
	Front Tandem Pump malfunctioning.	Refer to Pump manufacturer's manual for service procedures. Repair or replace front Pump as needed.
Left side doesn't drive in reverse direction.	Bottom Relief Valve on front Tandem Pump is malfunctioning.	Contact your Gehl Dealer for assistance.
	Key is missing from front Pump Arm on Pump Arm Shaft.	Replace the Key. Torque Cap Screw on the Arm to 30 lbs.
	Front Tandem Pump malfunctioning.	Refer to Pump manufacturer's manual for service procedures. Repair or replace front Pump as needed.

PROBLEM	POSSIBLE CAUSE	REMEDY
Lift/Tilt Controls malfunction.	Hydraulic oil viscosity is too heavy.	Allow longer warm-up or replace with proper viscosity oil.
	Hydraulic oil level is low.	Check oil level in Reservoir. If oil is low, check for an external leak. Repair and add oil.
	System Relief Valve is malfunctioning.	Contact your Gehl Dealer for assistance.
	Drive is disconnected.	Check for broken or worn Pump Drive coupling and replace as needed.
	Sheared Spline or broken Shaft in Tandem Pump assembly.	Check Splined Shaft of Pump closest to Engine. Replace Shaft if broken or if Splines are sheared.

PROBLEM	POSSIBLE CAUSE	REMEDY
Hydraulic Cylinder action is slow for Lift and/or Tilt functions.	Low Engine speed.	Operate Engine at higher speed.
	Hydraulic oil viscosity is too heavy.	Allow longer warm - up or replace existing oil with proper viscosity oil.
	Hydraulic oil leaking past Cylinder packing.	Contact your Gehl Dealer for assistance.
	Lift/Tilt Control is not fully activated.	Contact your Gehl Dealer for assistance.
	Worn Gear Pump.	Check oil flow at high idle. Flow should be 18 GPM at 2800 RPM. Repair or replace pump as needed.
	Reservoir Strainer is plugged.	Remove Reservoir Cover and clean the Strainer. Also inspect Reservoir for foreign objects plugging the system.
	Lift Solenoid Valve could be malfunctioning.	Check electrical connections to Lift Solenoid and repair connections as needed. If Lift Solenoid Valve is still not functioning properly, contact your Gehl Dealer for assistance.
Lift Arm does not raise, Bucket Tilt works properly.	Lift Solenoid Valve could be malfunctioning.	Check electrical connections to Lift Solenoid and repair connections as needed. If Lift Solenoid Valve is still not functioning properly, contact your Gehl Dealer for assistance.
	Lift spool in Control Valve not actuated or leaking.	Check Hose or Tube connection to Valve. Check pressure and flow.
Jerky Lift Arm and Bucket action.	Seat or Restraint Bar Switch malfunction.	Check electrical connections to the Switches. Replace as needed.
	Air in the Hydraulic System.	Cycle Lift and Tilt Cylinders to maximum stroke and maintain pressure for short time to clear air from system.
	Oil in Hydraulic Reservoir low.	Check and add oil to Reservoir as needed.
	Reservoir Strainer is plugged.	Remove Reservoir Cover and clean the Strainer. Also, inspect Reservoir for foreign objects plugging the system.

PROBLEM	POSSIBLE CAUSE	REMEDY
Lift Arm doesn't maintain raised position with Lift Control in NEUTRAL.	Oil leaking past Lift Cylinder Seals (internal or external).	Contact your Gehl Dealer for assistance.
	Oil leaking past Lift Spool in Control Valve.	Check Valve body for scores or cracks. Replace Control Valve as needed.
	Self-Leveling Valve malfunctioning. (if equipped)	Repair or replace as needed.
	Leaking Hydraulic Hoses, Tubes, or fittings between Control Valve and Cylinders.	Inspect Hoses and Tubes, Tighten fittings as needed. Replace Hoses or Tubes as needed.
Lift Arm will not lower.	Lift Cylinder Mechanical Lock engaged.	Contact your Gehl Dealer for assistance.
	Lift Solenoid Valve malfunctioning.	Check electrical connections to Solenoid. Repair or replace as needed.
	Restraint Bar not lowered.	Lower Restraint Bar.
	Seat or Restraint Bar Switch malfunction.	Check electrical connections to the Switch. Replace Switches as needed.
Bucket drifts downward with Tilt Control in neutral.	Oil leaking past Tilt Cylinder Seals (internal or external).	Contact your Gehl Dealer for assistance.
	Self-Leveling Valve is malfunctioning.	Repair or replace as needed.
	Leaking Hydraulic Hoses, Tubes, or fittings between Control Valve and Cylinders.	Inspect Hoses and Tubes, Tighten fittings as needed. Replace Hoses or Tubes as needed.
No down pressure on the Bucket.	Control Valve in "Float" position.	Take Control out of "Float" position.
	Tilt Cylinders are malfunctioning. (if equipped)	Contact your Gehl Dealer for assistance.
	Relief Valve in Control Valve not functioning properly.	Contact your Gehl Dealer for assistance.
Bucket does not level on the lift cycle.	Self-Leveling Valve malfunctioning. (If equipped)	Contact your Gehl Dealer for assistance.
Bucket will not tilt, Lift Arms work properly.	Tilt Solenoid Valve malfunctioning.	Check electrical connections to Tilt Solenoid and repair connections as needed. If Tilt Solenoid Valves are still not functioning properly, contact your Gehl Dealer.
	Tilt Spool in Control Valve not actuated or leaking.	Check Hose or tube connections to Valve. Check pressure and flow.

CHAPTER 11
SERVICE

GENERAL INFORMATION

CAUTION

BEFORE proceeding to perform any Service routines on the Skid Loader, or unless expressly instructed to the contrary, exercise the MANDATORY SAFETY SHUTDOWN PROCEDURE (page 10). After Service has been performed, BE SURE to restore all Guards, Shields and Covers to their original positions BEFORE resuming Loader operation.

NOTE: *All Service routines, with the exception of those described under the "Dealer Services" topic are owner-operator responsibilities. All Operator Services described under the 10 hour, 100 hour, 200 hour and 500 hour subtopics, are also referred to on a Decal which is located on the underside of the Engine Access Cover. Refer to the Lubrication Chapter of this manual for lubrication information.*

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

This Service Chapter details procedures to follow for making routine maintenance checks, adjustments and replacements. The majority of the procedures are also referred to in both the Troubleshooting and Maintenance Log Chapters of this manual. For Engine related adjustments and servicing procedures, BE SURE to refer to the separate Engine Manual provided.

NOTE: *ALWAYS dispose of waste lubricating oils, anti-freeze and hydraulic fluids according to local regulations or take them to a recycling center for disposal; do NOT pour them onto the ground or down the drain.*

DEALER SERVICES

The following areas of internal components service, replacement and operating adjustments should only be performed by an authorized GEHL Skid Loader dealer.

Hydrostatic Components

The Hydrostatic Pumps are coupled directly to each other (in tandem) and to the Engine Crankshaft. The Hydrostatic Drive Motors Pumps are devices that require special knowledge and tools for servicing.

NOTE: *If a Hydrostatic Pump or Drive Motor is suspected of faulty operation, contact your GEHL dealer for further information.*

Hydraulic System Pump

The Hydraulic System Pump is coupled directly to the front of the Tandem Hydrostatic Pumps. This Pump also requires special tools and knowledge for internal component servicing.

NOTE: *Hydrostatic/Hydraulic System Schematics are located at the end of this chapter, and are provided as a guide for troubleshooting and service parts reference.*

Valves

Internal component service on any of the Hydraulic Valves should only be performed by an authorized GEHL Skid Loader dealer. Access to the various Hydraulic Valves is gained by either unbolting, rolling-back and locking the Overhead Guard and/or by opening the Rear Grill and Engine Access Cover.

Cylinders

All Hydraulic Cylinders used on the Skid Loader are designed with provisions unique to the Skid Loader application requirements. Internal Cylinder component service and replacement requires special knowledge and tools.

Electrical Components

Electrical system diagrams which are located at the end of this chapter, are provided as a guide for troubleshooting and service parts reference.

OPERATOR SERVICES

Figures 35, 36 & 37 show the locations of various components required for general Loader services. Refer to these Figures throughout the Chapter.

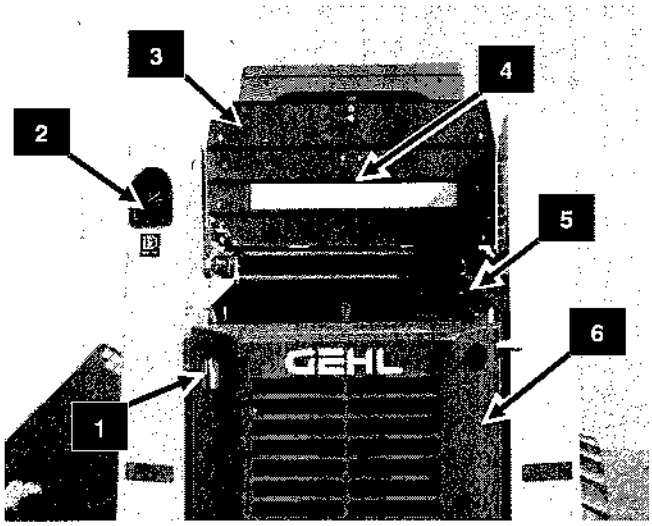


Fig. 35

1. Rear Grill Latch & Release Handle
2. Fuel Inlet
3. Engine Access Cover.
4. Maintenance Schedule
5. Hydraulic Oil Inlet
6. Rear Grill

Service Every 10 Hours or Daily

Check Bucket Cutting Edge

The Bucket Cutting Edge should be replaced when it is worn to within 1" of the Bucket Body.

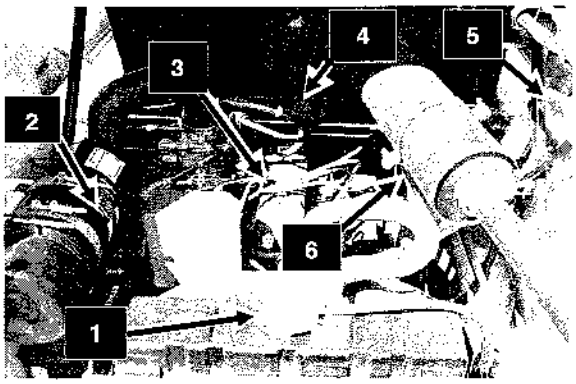


Fig. 36: Gasoline Engine Components

1. Radiator Check/Fill Cap
2. Air Cleaner (Single-element Style Shown)
3. Engine Oil Dipstick
4. Engine Oil Fill Cap
5. Hydraulic Oil Fill Cap
6. Spark Arrestor Muffler

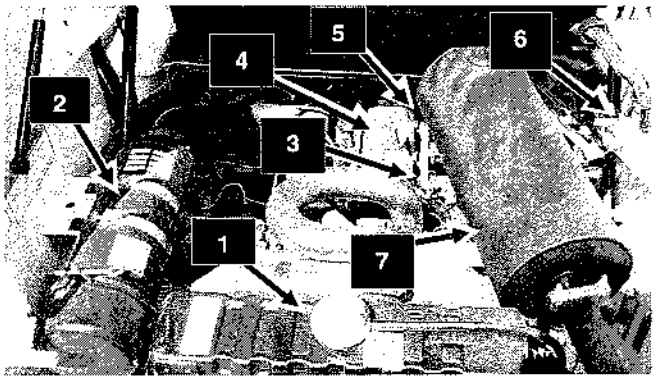


Fig. 37: Diesel Engine Components

1. Radiator
2. Air Cleaner (Dual-element Style Shown)
3. Engine Oil Dipstick
4. Engine Oil Fill Cap
5. Engine Coolant Reservoir (4625 shown, 3825 Reservoir located above Air Cleaner)
6. Hydraulic Oil Fill Cap
7. Spark Arrestor Muffler

Check Engine Air Cleaner System (Figs. 38 & 39)

Single Element Style

Loaders which are equipped with a Single Element Air Cleaner do NOT have a monitoring system and require a daily check of the Air Cleaner. Change Filter if required following the procedure below. Also, remove the Element Cover Daily by loosening the Clamp Band Eyebolt and removing any dust or debris that may have accumulated in the Cover. Replace the Cover and tighten Clamp Band with Eyebolt. Also, make a daily check of the Air Cleaner Intake Hose and Clamps and the Mounting Bracket hardware to ensure they are secure.

Dual Element Style

Loaders which are equipped from the factory with a Dual Element Air Cleaner are provided with an "Air Filter" Indicator Light on the Instrument Panel for monitoring the condition of the Filter Element. During normal Loader operation, this Indicator should be "OFF". If the Air Filter Element becomes restricted, this Indicator will light to warn the operator that the Air Filter Element requires service. If the Indicator Light is "ON", change the Filter Element following the procedure below. Besides checking the Indicator, make a daily check of the Air Cleaner Intake Hose and Clamps and the Mounting Bracket hardware to ensure they are secure.

Element(s) Removal & Installation

To remove the Air Cleaner Element(s), first, unlatch and open the Rear Grill and open the Engine Access Cover. Next, loosen (but do NOT remove) the Clamp Band Eyebolt which secures the Element Cover and remove the Cover. Then, remove the Wing Nut which secures the Outer Element and remove the Outer Element from the Housing.

Dual Element Style: Remove the Wing Nut which secures the Inner Element and remove the Inner Element from the Housing.

To replace the Element(s), reverse the removal procedure. New Outer and Inner Elements can be obtained by ordering the following Gehl part numbers:

Single Element Type: 055017

Dual Element Type: Outer: 092397

Inner: 092398

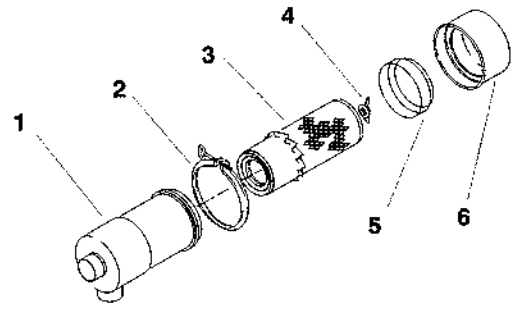


Fig. 38: Single Element Type Air Cleaner

1. **Element Housing & Inlet Assembly**
2. **Clamp Band & Tightener Eyebolt**
3. **Filter Element**
4. **Wing Nut**
5. **Baffle**
6. **Element Cover**

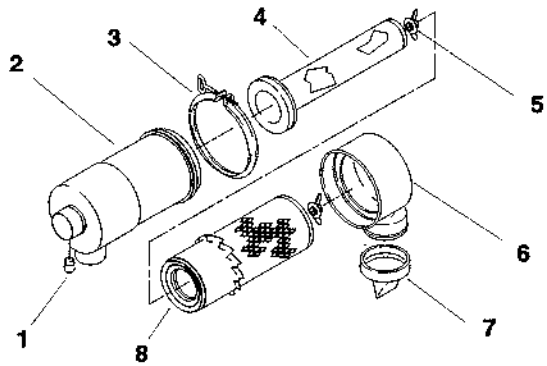


Fig. 39: Dual Element Type Air Cleaner

1. **Air Cleaner Restriction Sensor Switch**
2. **Element Housing & Inlet Assembly**
3. **Clamp Band & Tightener Eyebolt**
4. **Inner Filter Element**
5. **Wing Nut (2)**
6. **Element Cover**
7. **Vacuator Valve**
8. **Outer Filter Element**

Check Radiator Coolant Level (Figs. 36 & 37)

WARNING

Do NOT remove the Radiator Cap when the Engine is HOT or overheated. Coolant is extremely HOT and under pressure and it can burn your skin. Wait for the Engine to cool down BEFORE relieving the pressure and removing the Radiator Cap.

Diesel Engine powered Loaders are provided with a Coolant Overflow Reservoir which is to be used for checking coolant level as well as for filling the Radiator, when required. ALWAYS check the fluid level when the Engine is cool.

Access to the Reservoir is obtained by unlatching and opening the Rear Grill and opening the Engine Access Cover. Maintain the coolant level at or just above the "COLD" mark on the Reservoir. Refer to the Engine Manual for anti-freeze recommendations and to the "Flushing Radiator & Replacing Anti-freeze" subtopic, under the 500 Hour or One Year topic in this chapter, for coolant draining and replacement details.

Gasoline Engine powered Loaders do NOT have an Overflow Reservoir. To check coolant level on these Loaders, gain access to the Radiator and (when the Engine is COOL) remove the Radiator Cap. Fluid level should be just below the neck of the filler hole.

Check Fuel Filter/Water Trap Diesel Engine, Only (Fig. 40)

As its name implies, the Water Trap removes water from the fuel and deposits the water at the bottom of the Filter Turn the Drain Knob on the bottom of the Trap to discharge water until only fuel is flowing from the outlet.

Check Engine Oil Level (See Figs. 36 & 37)

Open the Engine Access Cover. Pull out the dipstick and check the oil level. Markings on the dipstick represent both full and low (add oil) levels. Refer to the "Changing Engine Oil & Filter" subtopic under the Service Every 100 Hours topic in this chapter for the proper location and procedures for adding Engine oil. Also, refer to the Lubrication Chapter and/or the separate Engine manual for oil viscosity and requirements information.

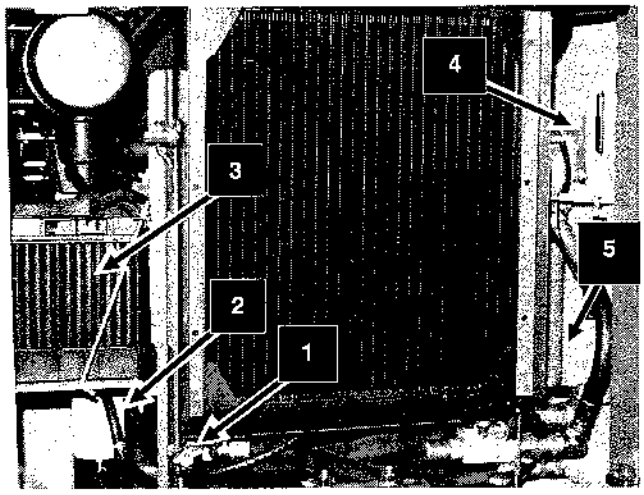


Fig. 40: Diesel Engine Components

1. **Radiator Drain Cock Location**
2. **Spin-on Fuel Filter/Water Trap**
3. **Battery**
4. **Hydraulic Oil Strainer Access Cover & Gauge**
5. **Spin-on Hydraulic Filter**

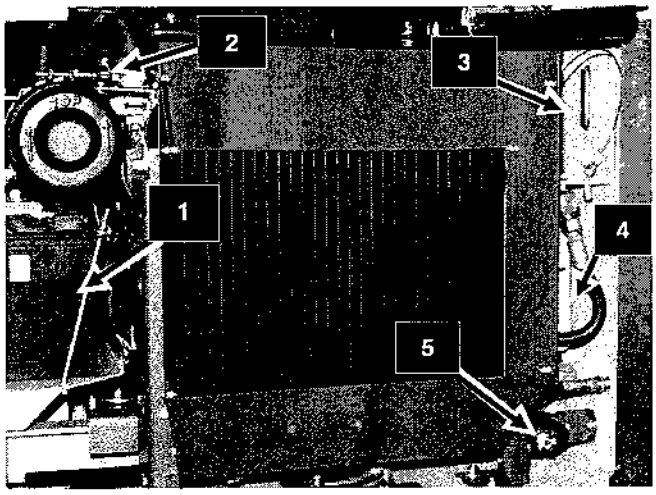


Fig. 41: Gasoline Engine Components

1. **Battery**
2. **Fuel Filter (at Fuel Inlet on Carburetor)**
3. **Hydraulic Oil Strainer Access Cover & Gauge**
4. **Spin - on Hydraulic Filter**
5. **Radiator Drain Cock**

Check Hydraulic Oil Level (See Figs. 36 & 37)

The Loader is provided with a Visual Hydraulic Oil Level Indicator which is located on the Chassis Right Riser. Refer to the Lubrication chapter for oil recommendations and to the "Hydraulic Reservoir Oil" subtopic, under the 500 hour (or one Year) topic, for draining and replacement information.

Check Tire Pressures

WARNING

Inflating or servicing tires can be dangerous. Whenever possible, trained personnel should service and/or mount tires. Do NOT place your fingers on the tire bead or rim during inflation; serious injury or amputation could result. To avoid possible death or serious injury, follow the safety precautions below:

- ❑ **BE SURE the Rim is clean and free of rust.**
- ❑ **Lubricate both the tire beads and rim flanges with a soap solution. Do NOT use oil or grease.**
- ❑ **Use a clip-on tire chuck with a remote hose and gauge which allows you to stand clear of the tire while inflating it.**
- ❑ **NEVER inflate beyond 35 PSI (240 kPa) to seat the beads. If the beads have NOT seated by the time the pressure reaches 35 PSI, deflate the assembly, reposition the tire on the rim, relubricate both parts and re-inflate. Inflation pressure beyond 35 PSI with unseated beads may break the bead or rim with explosive force sufficient to cause death or serious injury.**
- ❑ **After seating the beads, adjust the inflation pressure to the recommended operating pressure listed.**
- ❑ **Do NOT weld, braze, or otherwise attempt to repair and use a damaged rim.**

Tire Inflation Pressures

Tire Size and Description	Inflation Pressure	
	PSIG	kPa
5.70 x 15 4-ply Narrow	50	345
27 x 8.50 x 15 4-ply Flotation	35	240
27 x10.50 x 15 4-ply Wide Flotation	40	275
7.00 x 15 6-ply	55	380
10.00 x 16.5 6-ply Flotation	45	310
12 x 16.5 6-ply	40	275
29 x 12.5 x 15 6-ply X-Wide Lug	45	310
27 x 8.5 x 16 6-ply Heavy Duty	65	450
10 x 16.5 8-ply Heavy Duty	50	345
12 x 16.5 10-ply Heavy Duty	65	450

Proper Tire pressure should be maintained equally for all four Tires to enhance operating stability and extend Tire life. Refer to the chart for the proper inflation pressure.

When installing Tires on the Skid Loader, BE SURE that the Tires are of the same size and style on the same side of the Loader. ALWAYS replace Tires with the same size as original equipment.

Lubricate All Lift Arm & Cylinder Pivots

Lubricate the fittings on both ends of all four Cylinders. Lubricate both Lift Arm Pivot fittings. Refer to details in the Lubrication chapter.

Check Seat and Restraint Bar Operation

Electrical Switches in the Seat and Restraint Bar MUST be closed (operator sitting on the Seat and the Restraint Bar lowered) to complete the starter circuit for starting the Loader Engine.

Clean Radiator & Oil Cooler Fins

WARNING

Do NOT remove the Radiator Cap when the Engine is HOT or overheated. Coolant is extremely HOT and under pressure and it can burn your skin. Wait for the Engine to cool down BEFORE relieving the pressure and removing the Radiator Cap. Also, Do NOT reach into the area between the Radiator and Oil Cooler with the Engine running. The Fan Blade is exposed and touching it could cause serious injury.

NOTE: ***Loader Models 3825, 4525, and 4625*** *are provided with a "Tip-back" Radiator which allows for removing debris which may have lodged between the Radiator and Oil Cooler. Refer to the Radiator Inspection/Cleaning Decal on the side of the Radiator for details.*

CAUTION

Allow sufficient time for the Radiator and Hydraulic Oil Cooler to cool BEFORE attempting to work around either item. Parts get extremely HOT during operation and can burn you.

The Radiator and the Oil Cooler assemblies are mounted between the Engine and the Hinged Rear Grill. When functioning properly, air is blown through the openings between the coils and fins by the Engine Fan. Over a period of normal operation, dust and debris will build-up on the Engine side of the Radiator and Oil Cooler and restrict air flow through the fins. To reduce or remove this restriction, use a hose and direct the water flow through the fins from the rear of the Radiator.

Service Every 100 Hours

Check Planetary Gearcase Oil (Fig. 42)

Models 4525 & 4625 Only: Each Planetary Gearcase contains approximately 1 quart (0.9 liter) of 80W90 oil. An Inspection Fill Plug is provided on each Gearcase for oil checking and refilling. Unbolt roll-back and Lock the ROPS and remove the Operator's Compartment Floorplate to gain access to the Plugs. Add oil through the Inspection Fill Plug until it just begins to flow from the Plug.

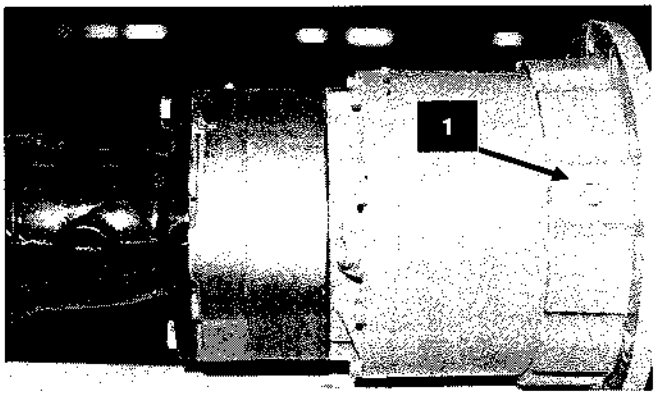


Fig. 42: 4525/4625 Planetary Gearcases

1. **Inspection Fill Plug on Right Planetary Gearcase**

Replace Engine Oil & Filter (See Figs. 36 & 37)

4625SX & 4625DX Models are equipped with a remote Oil Filter which is located on the left inside Riser under the Engine Cover. Access for draining the Engine oil is gained by removing the Bellyplate Cover.

3725, 3825, 3825SX, 4525, & 4625 Models: Access for draining the Engine oil and changing the Filter is gained by removing the Bellyplate Cover.

Access for adding new oil is obtained by opening the Engine Access Cover. Refer to the Lubrication Chapter in this manual for oil recommendations and quantity and to the separate Engine manual for Oil Filter and oil changing procedure.

A Spin-on Oil Filter Element can be obtained by ordering the following GEHL part numbers:

3725/4525	**083715**
3825	**121433**
4625	**121965**

4625 SX & 4625 DX with Remote Filter:

121965 or 129396

Lubricate T-Bar Pivots

Refer to the Lubrication Chapter in this manual for details. To gain access to the fitting slide the Rubber Boot up.

Tighten Wheel Lug Nuts, Check Drive Chain Tensions & Check Oil in Chain-cases

Retorque the Lug Nuts to 150 ft-lbs (203 Nm).

Check Drive Chain Tension following the procedure under the "Drive Chains" topic in the Adjustments chapter of this manual.

Each **3725/3825** Drive Chaincase requires 1 gallon (3.8 liters) of SAE 10W-30 multi-viscosity motor oil. (Fill to approximately 1" deep).

Each **4525/4625** Drive Chaincase requires 1.5 gallons (5.7 liters) of SAE 10W-30 multi-viscosity motor oil. (Fill to approximately 1/4" deep).

This quantity of oil should be maintained at all times.

Clean Spark Arrestor Muffler (See Figs. 36 & 37)

NOTE: *This Loader is factory equipped with a U.S.D.A. Forestry Service approved Spark Arrestor Muffler. It is necessary to do maintenance on the Muffler to keep it in working condition. Make reference to local laws and regulations for spark arrestor requirements.*

To clean the Muffler, open the Rear Grill and open the Engine Access Cover. Loosen the front Muffler Clamp and remove the rear Clamp and Muffler. Dump the contents from the spark chamber and then reinstall Muffler. Check that the Muffler Clamps are secure and, after starting the Engine, that the exhaust system is quiet and NOT leaking.

Check Alternator/Fan Belt Tension & Condition

Refer to the Adjustments Chapter and the separate Engine manual for setting proper Belt tension. If the Belt is worn, cracked or otherwise deteriorated, replace the Belt following the procedure in the separate Engine manual. For **3725/4525** Models: Also check Governor Belt.

A replacement Alternator Drive Belt can be obtained by ordering the following GEHL part numbers:

3725/4525	**096682**
3825	**121435**
4625	**121964**

For replacement Governor Belts on **3725/3825** Models, order Gehl part number 096679.

Check Battery

The Battery furnished on the Skid Loader is a 12 volt, wet-cell Battery. Access to the Battery is gained by unlatching and opening the Rear Grill.

The top of the Battery MUST always be kept clean. Clean the Battery with an alkaline solution (ammonia or baking soda and water). After foaming has stopped, flush the top of the Battery with clean water. If the terminals and Cable connection clamps are corroded or have a build-up, disconnect the Cables and clean the terminals and clamps with the same alkaline solution.

Handling Battery Safely

⚠ WARNING

Explosive gas is produced while a Battery is in use or being charged. Keep flames or sparks away from the Battery area. Make sure Battery is charged in a well-ventilated area.

NEVER lay a metal object on top of a Battery as a short circuit can result.

Battery acid is harmful on contact with skin or fabrics. If acid spills, follow these first aid tips:

1. **IMMEDIATELY remove any clothing on which acid spills.**
2. **If acid contacts the skin, rinse the affected area with running water for 10 to 15 minutes.**
3. **If acid contacts the eyes, flood the eyes with running water for 10 or 15 minutes. See a doctor at once. NEVER use any medication or eye drops unless prescribed by the doctor.**
4. **To neutralize acid spilled on the floor, use one of the following mixtures:**
   a. **1 Pound (0.5 kg) of baking soda in 1 Gallon (4 liters) of water**
   b. **1 Pint (0.4 liters) of household ammonia in 1 Gallon (4 liters) of water**

Whenever Battery is removed from the unit, BE SURE to disconnect the negative (-) Battery terminal connection Cable first.

Jump-starting

If the Loader Battery becomes discharged or does NOT have enough power to start the Engine, use jumper cables and the following procedure to jump-start the Loader Engine.

WARNING

The ONLY safe method for jump-starting a discharged Battery is for TWO PEOPLE to carry-out the following process. The second person is needed for removing the jumper cables so that the operator does NOT have to leave the Operator's Compartment while the Engine is running. NEVER attempt to make the jumper cable connections directly to the Starter Solenoid of either Engine. Do NOT start the Engine from any position other than the Operator's Seat and then ONLY after making sure ALL Controls are in "neutral".

Closely follow the procedures, in the order listed, to avoid personal injury. In addition, wear safety glasses to protect your eyes and avoid leaning over the batteries while jump-starting.

Do NOT attempt to jump-start the Loader Battery if it is frozen as this may cause it to rupture or explode.

NOTE: *BE SURE that the jumper battery is also a 12 volt D.C. battery.*

1. Turn the Keyswitches of both vehicles to OFF and make sure that both vehicles are in "Neutral" and NOT touching each other.
2. Connect one end of the positive (+) jumper cable to the positive (+) Battery Terminal on the disabled Loader first. Do NOT allow the jumper's positive cable clamps to touch any metal other than the positive (+) battery terminals. Connect the other end of the positive jumper cable to the jumper battery positive (+) terminal.
3. Connect one end of the negative (-) jumper cable to the jumper battery negative (-) terminal.
4. Make the final negative (-) jumper cable connection to the disabled Loader's Engine Block or Loader Frame (ground) -- NOT to the disabled Battery's Negative Post. If making the connection to the Engine, keep the jumper clamp away from the Battery, Fuel Lines or moving Parts.

NOTE: *Twist the jumper cable clamps a couple of times on the battery terminals and ground connection to ensure a good electrical path for conducting current.*

5. Proceed to start the Loader. If it does NOT start immediately, start the jumper vehicle engine to avoid excessive drain on the booster battery.
6. After the disabled Loader is started and running smoothly, have the second person remove the jumper cables (negative (-) jumper cable, first) from the jumper vehicle battery and then from the disabled Loader while making sure NOT to short the two cables together.

Allow sufficient time for the Skid Loader Alternator to build-up a charge in the Battery before attempting to operate the Loader or shut the Engine off.

Service Every 200 Hours

Replace Hydraulic Filter Element (See Figs. 40 & 41)

To gain access to the Spin-on Hydraulic Filter Element, unlatch and open the Rear Grill. Drain the oil out to a level which is at least below the point where the Filter attaches to the Reservoir.

For replacement Spin-on Filter, order the following GEHL part numbers:

For all 3725/3825 Loaders use P/N 115259.

For all 4525/4625 Loaders use P/N 074830.

Check Radiator Hoses & Clamps

Check for coolant leaks and/or deteriorated Hoses.

Check Governor Oil Level & Grease Fitting on Governor

NOTE: *This procedure is required for servicing gasoline powered Loaders, ONLY. Refer to the separate Engine Manual, for details.*

Service Every 500 Hours or Yearly

Grease Axle Hubs

Refer to the Lubrication Chapter for details.

Retighten Engine Mounting Hardware

ALL Bolts which secure the Engine Mounting Brackets to both the Engine and the Loader Frame should be checked and re-tightened, as necessary.

Replace Fuel Filter (See Figs. 40 & 41)

On **3725 & 4525** Series Loaders, unlatch and open the Rear Grill and raise the Engine Access Cover to gain access to the Fuel Filter. The Inline Filter is located at the Carburetor Inlet. For replacement Fuel Filter, order GEHL part number **089314**.

On **3825 & 4625** Series Loaders, unlatch and open the Rear Grill to gain access to the Fuel Filter. Use small pieces of wood between the jaws of a vice grip pliers to stop fuel flow to the Filter BEFORE removing the through bolt and Filter Cartridge. Be sure to remove the vice grips after the new Cartridge is installed and then check for leaks. For replacement Fuel Filter, order GEHL part number **114868**.

Change Hydraulic Oil & Clean Strainer (See Figs. 40 & 41)

The hydraulic oil is contained in the Reservoir (and the Hoses and other components of the hydraulic system). The Reservoir is built into the Right Chassis Riser and a Drain Plug is provided in the bottom of the Riser. Refer to the Lubrication chapter for recommended oil types and viscosity information. BE SURE to replace and secure the Drain Plug before installing new oil.

The hydraulic oil Strainer is located inside the Hydraulic Reservoir. The hydraulic oil MUST be drained to a level below the Access Cover (with built-in Oil Level Indicator) before attempting to service the Strainer. Access for Strainer removal is gained by unlatching and opening the hinged Rear Grill and raising the Engine Cover. To remove and clean the Strainer, proceed as follows:

1. Remove the Access Cover from the inside Right Riser wall.
2. Reaching in through the Access Cover hole, unscrew and remove the Strainer.
3. Use a filter cleaner solution (mixed according to the cleaner manufacturer's specifications) and soak the Strainer for about 15 to 30 minutes.
4. After the Strainer has been soaked, thoroughly rinse off all residue and solution with clean water from a faucet or garden hose. Then, use clean, dry, compressed air with a pressure of less than 30 PSIG (210 kPa) to blow the Strainer dry.
5. Once the Strainer is thoroughly dry, reinstall the Strainer in the reverse order of disassembly.
6. Replenish Reservoir with hydraulic oil.

⚠ WARNING

Do NOT remove the Radiator Cap when the Engine is HOT or overheated; coolant is extremely HOT and under pressure and it can burn your skin. Wait for the Engine to cool down BEFORE relieving the pressure and removing the Radiator Cap. Also, Do NOT reach into the area between the Radiator and Oil Cooler with the Engine running. The Fan Blade is exposed and touching it could cause serious injury.

Flush Radiator/Replace Coolant (See Figs. 40 & 41)

To gain access to the Radiator, unlatch and open the Rear Grill and open the Engine Cover. Open the Drain Valve (petcock) at the bottom of the Radiator to drain the coolant. (On some models, the Petcock is located on the end of a Drain Hose).An additional Drain Valve is provided on the Engine for draining the Engine block (refer to the separate Engine manual, for details and location).

Using a hose, flush water through the Radiator. After the Radiator is flushed, close the Drain Valve(s) and refill with a 50/50 premixed antifreeze until coolant is at the top of the Radiator. Install the Radiator Cap. (On **3825 & 4625** models, run the Engine until it is at normal operating temperature, and then check the Engine Coolant Reservoir and replenish with coolant, as necessary.) Refer to the Engine manual for coolant recommendations.

Check & Adjust Valve Tappets

NOTE: *This procedure is required for servicing gasoline powered Loaders, ONLY. Refer to the separate Engine Manual, for details.*

Re-Gap or Replace Spark Plugs

NOTE: *This procedure is required for servicing gasoline powered Loaders, ONLY. Refer to the separate Engine Manual, for details.*

Change Chaincase Oil (See Figs. 43 & 44)

Change the Chaincase with new oil after every 500 hours of operation, or annually.

Raise the Loader off the ground following the "Loader Raising Procedure" located at the beginning of the "Adjustments" Chapter of this manual.

Follow the directions below for your Loader Type.

3725 & 3825 Loaders

1. Unbolt, tilt-back and lock the Overhead Guard.
2. To gain access to the Drive Chains, remove the Access Cover and Gasket, located at the top of each Chaincase.
3. Remove Rear Wheels to gain access to the Chaincase Oil Drain Plug. The Plug is the lower rear bolt of the rear Axle Housing. See **Fig. 43.**
4. Remove Plug, and drain oil from Chaincase.
5. Remove any debris or sludge from Chaincase.
6. Using a Thread Sealant, install Plug, and refill Chaincase with approximately 1 gallon (3.8 liter) of SAE 10W-30 motor oil.
7. Replace Chaincase access covers and gaskets.
8. Install Wheels.
9. Follow "Loader Lowering Procedure" located at the beginning of the "Adjustments" Chapter to return the loader to the ground.
10. Lower the Overhead Guard, and secure with anchor bolts.

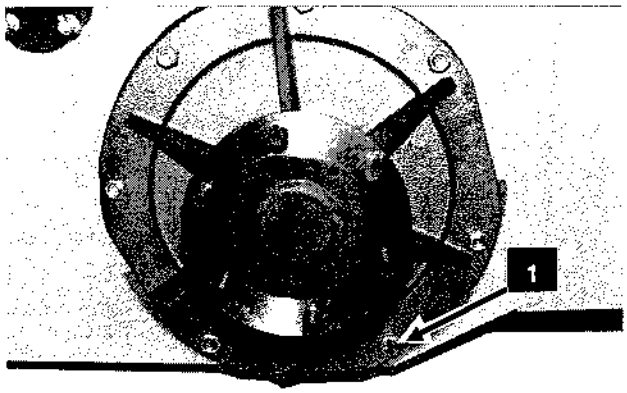


Fig. 43: 3725/3825 Chaincase Drain Plug

1. Drain Plug

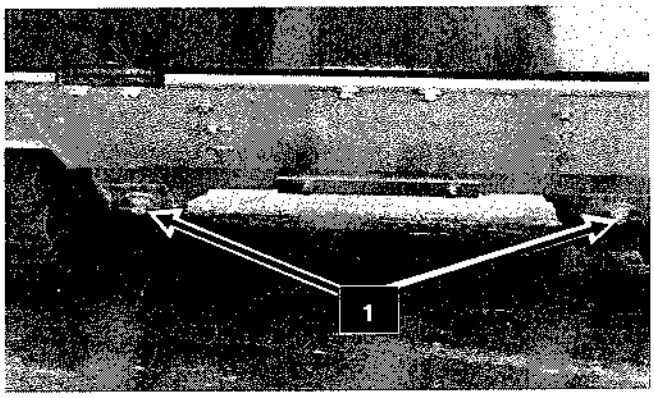


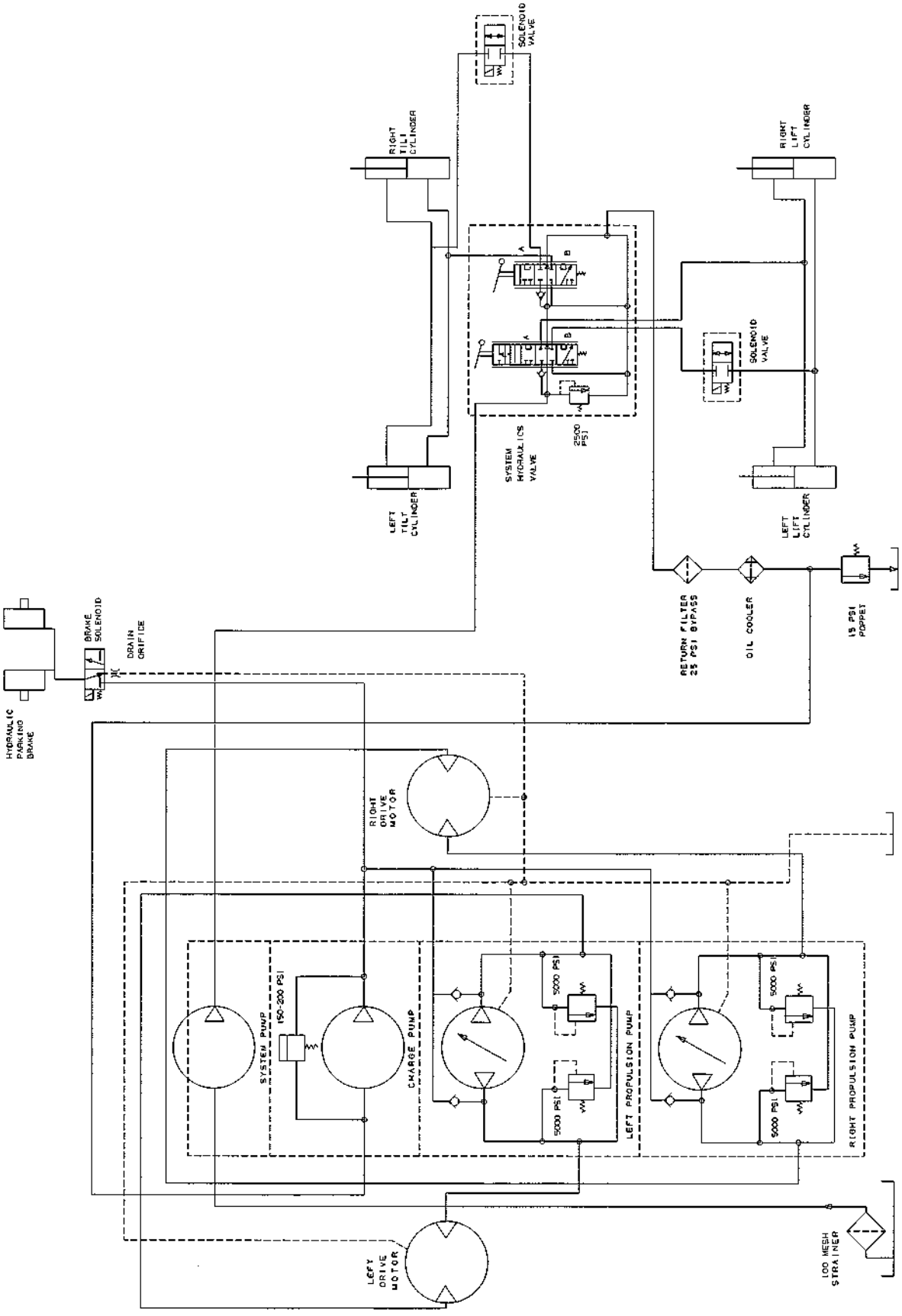
Fig. 44: 4525/4625 Chaincase Drain Plug

1. Drain Plug

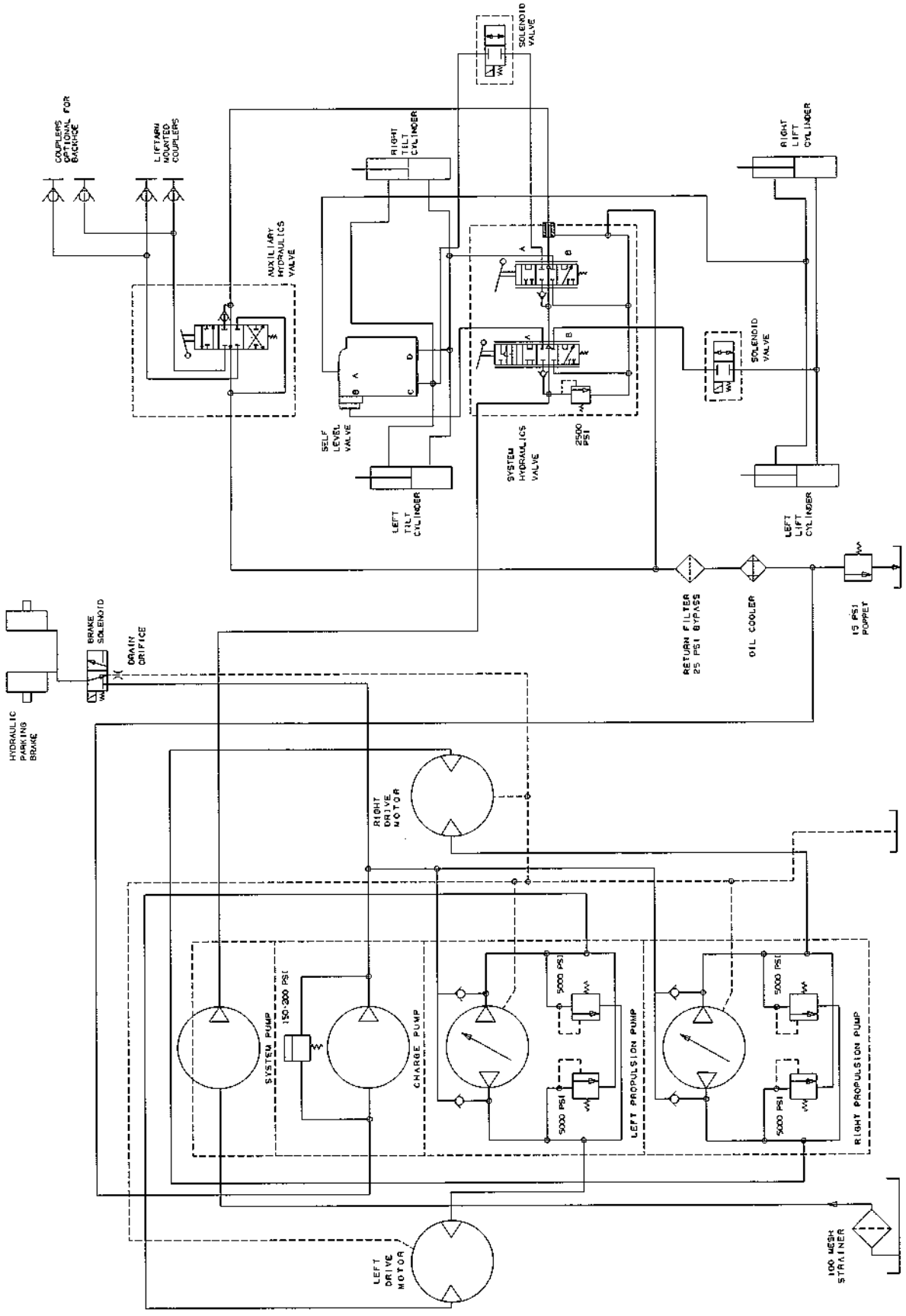
4525 & 4625 Loaders

1. To gain access to the Drive Chains, remove the Access Cover located on the outside, center of the Chaincase on both sides between the Wheels.
2. Locate the Oil Drain Plug which is located on the lower rear of the Chaincase. See **Fig. 44.**
3. Remove Plug, and drain oil from Chaincase.
4. Remove any debris, or sludge from chaincase.
5. Using a Thread Sealant, install plug, then refill Chaincase with approximately 1.5 Gallons (5.7 liters) of SAE 10W-30 motor oil.
6. Replace Chaincase access covers using Locktite© 598 Silicon RTV or equivalent between the cover and the Chaincase.
7. Follow "Loader Lowering Procedure" at the beginning of the "Adjustments" Chapter to return the loader to the ground.

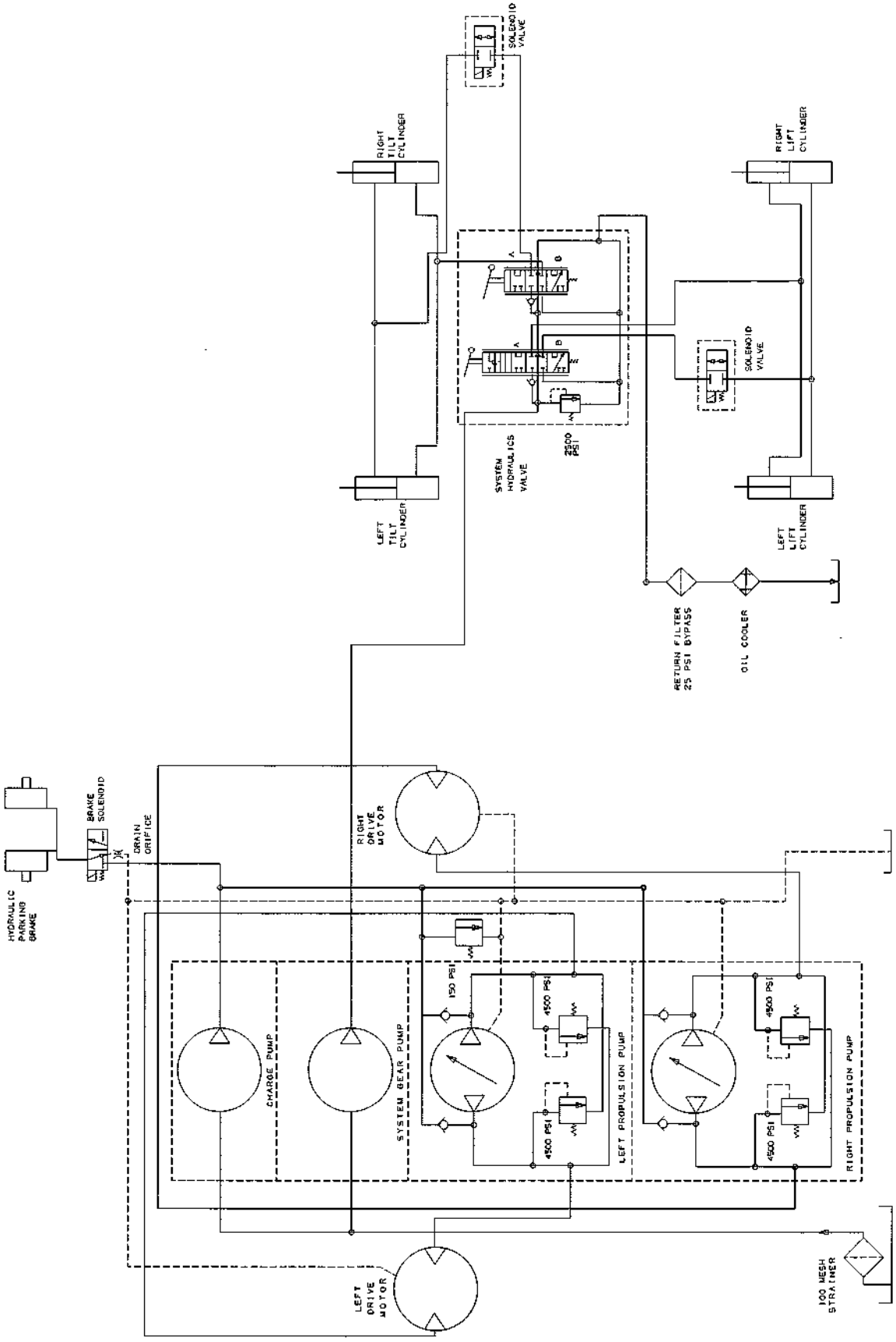
3725/3825 Hydrostatic/Hydraulic Schematic



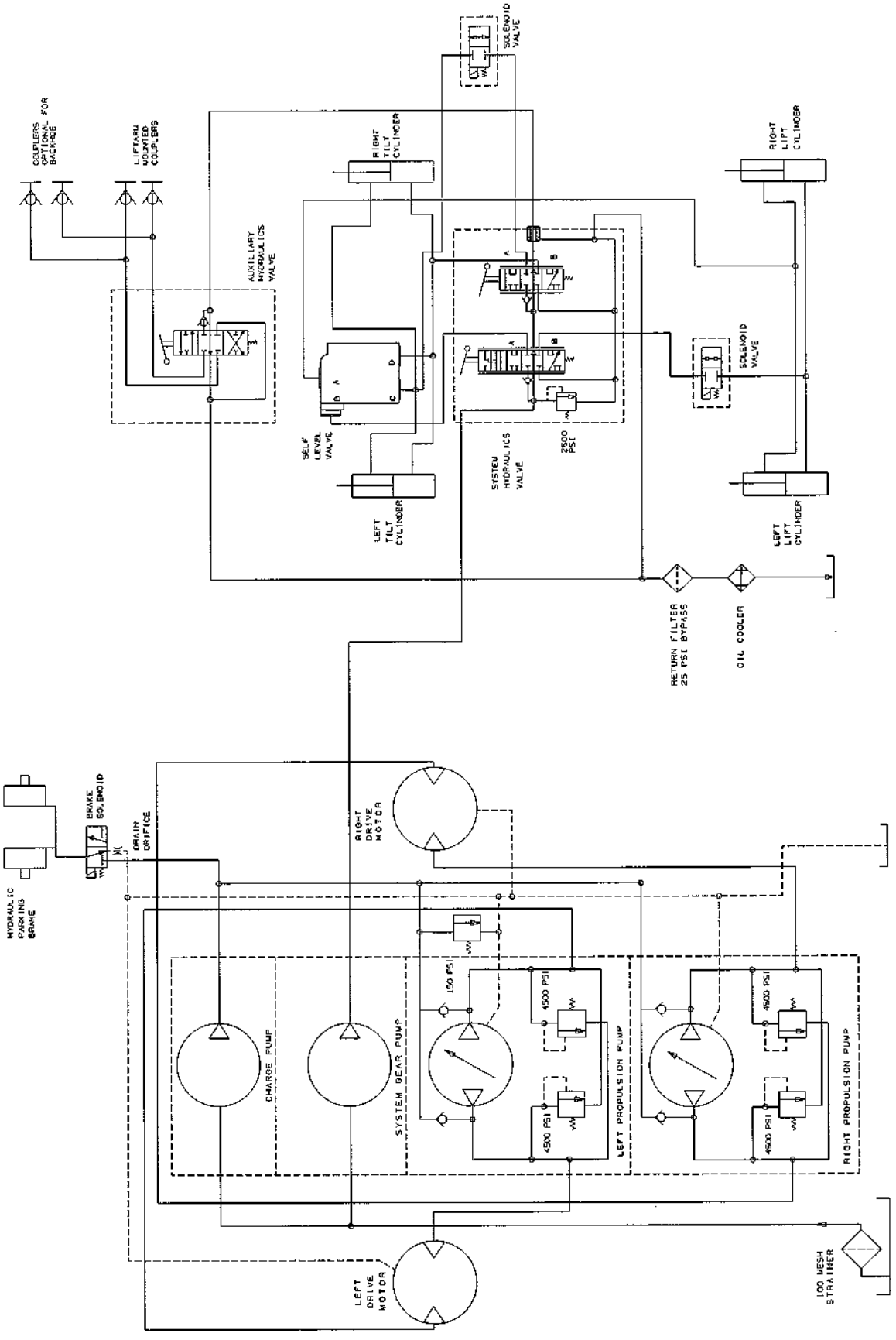
3825SX Hydrostatic/Hydraulic Schematic



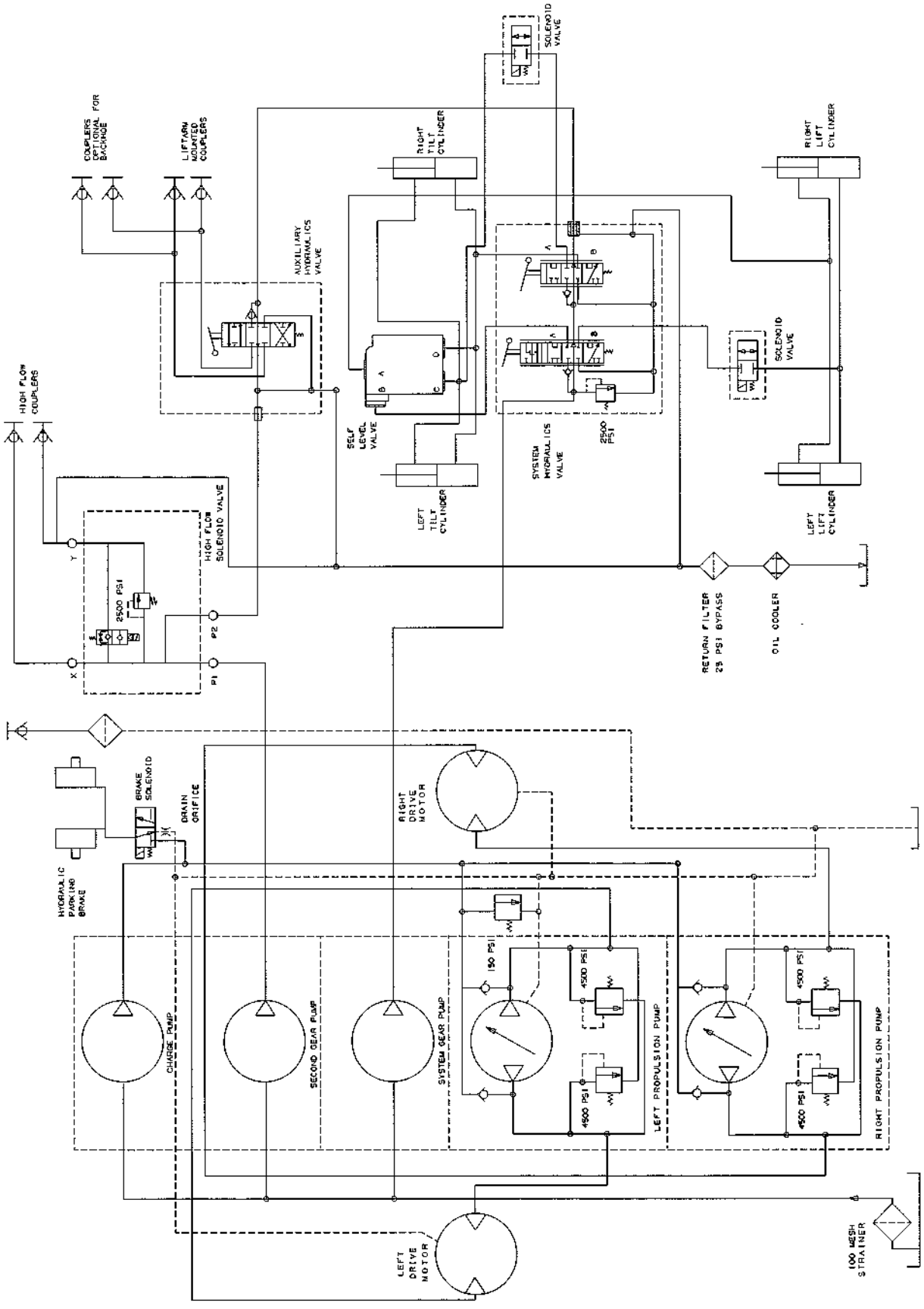
4525/4625 Hydrostatic/Hydraulic Schematic



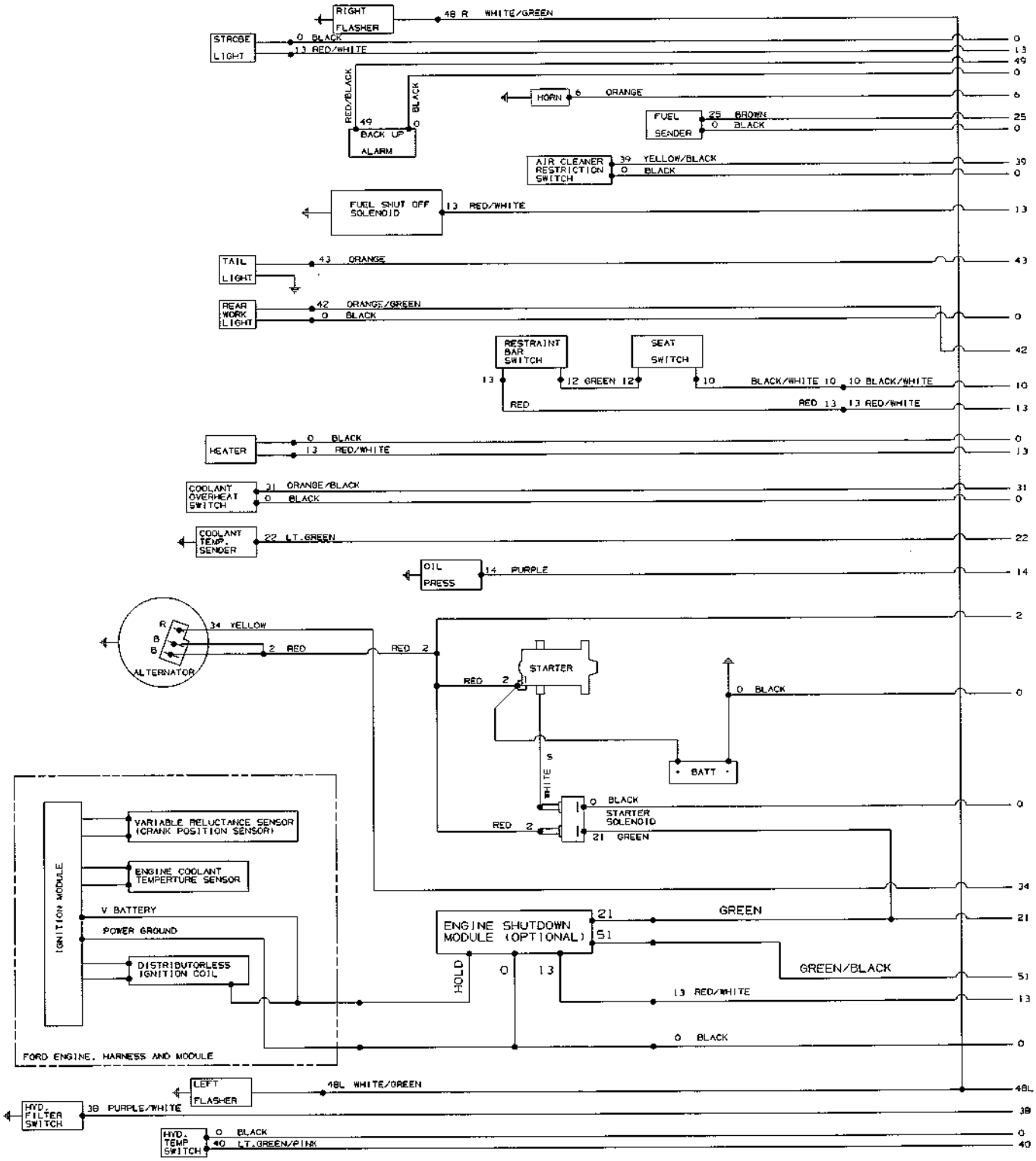
4625SX Hydrostatic/Hydraulic Schematic



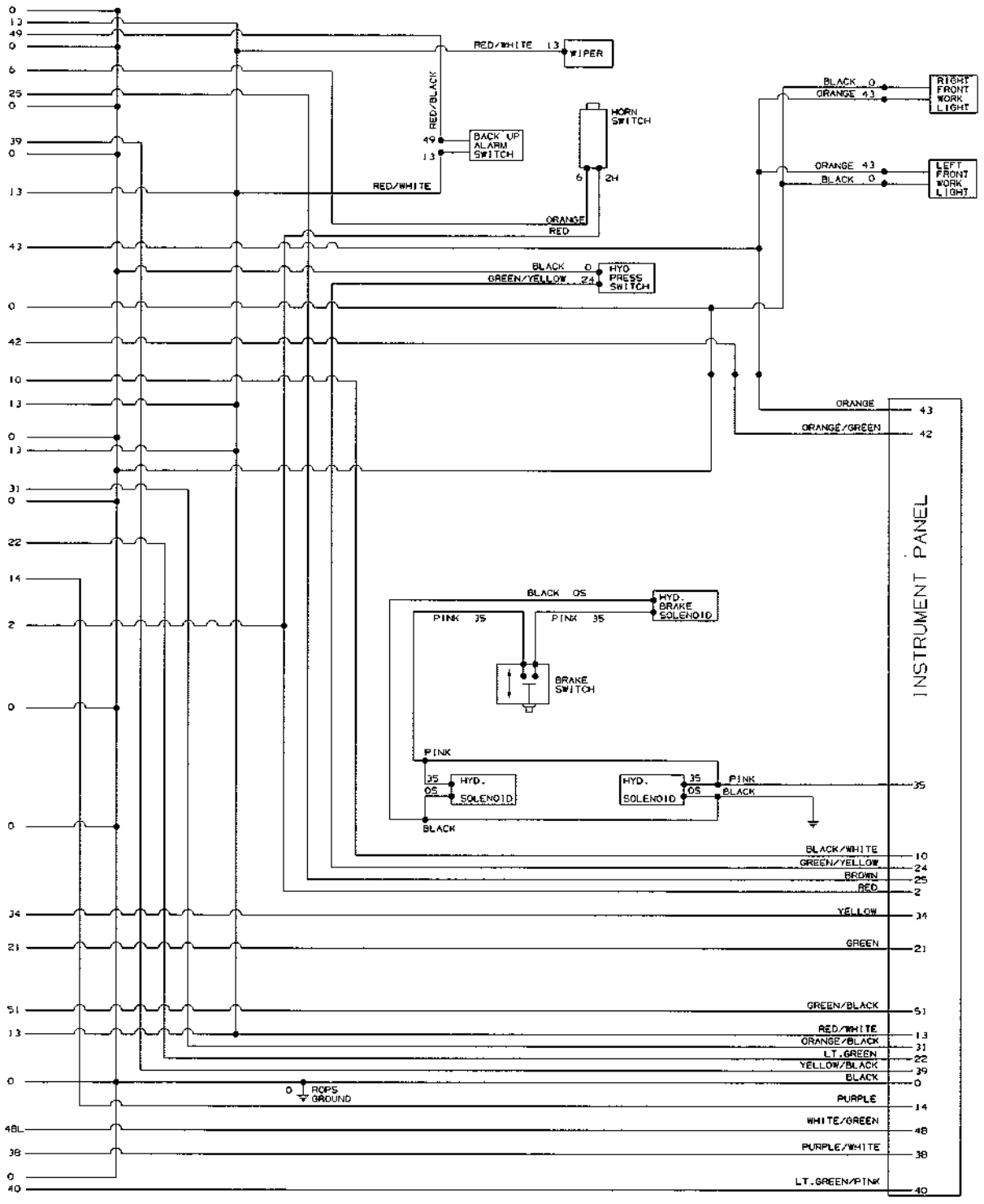
4625DX Hydrostatic/Hydraulic Schematic



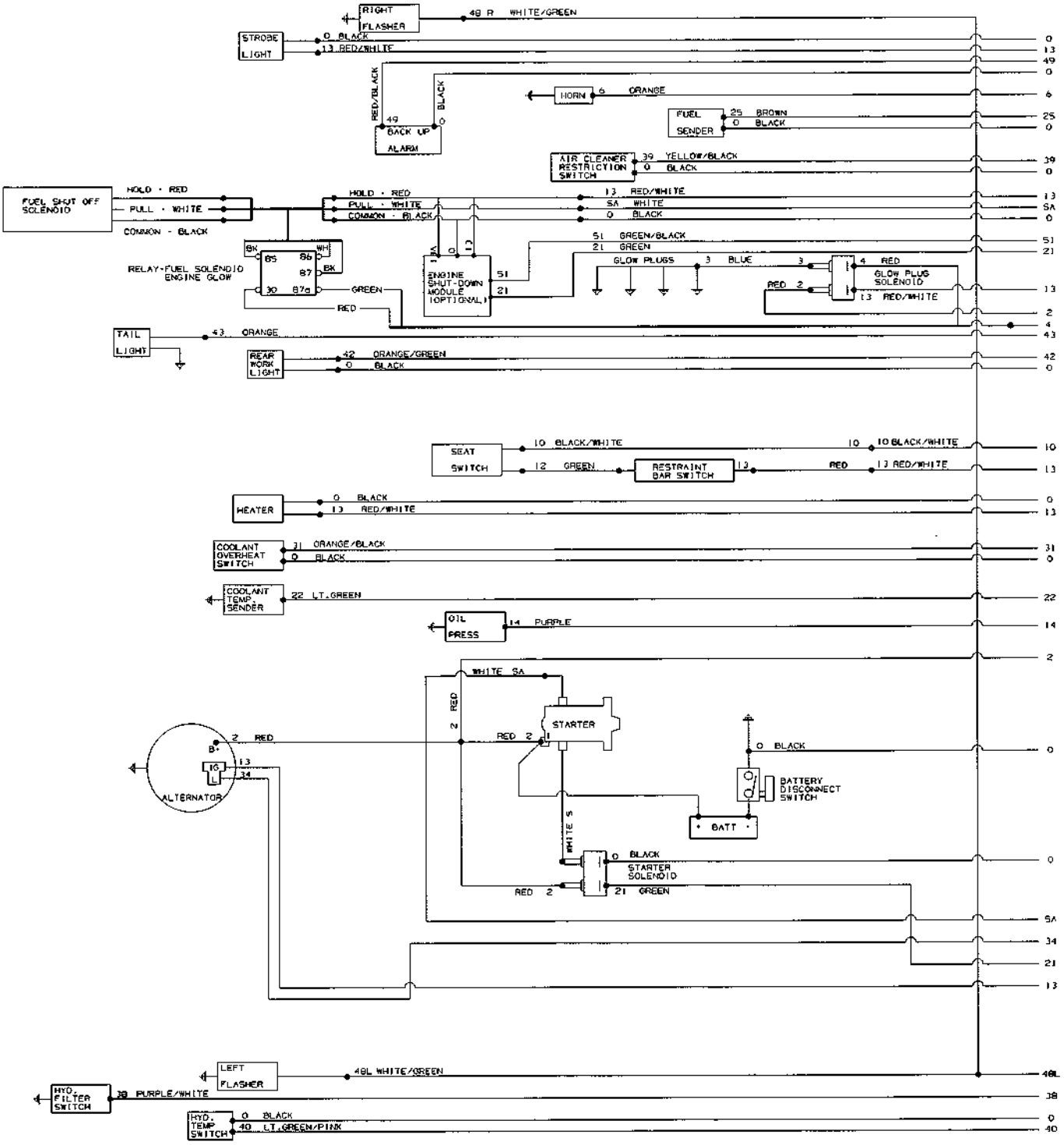
3725 Wiring Schematic



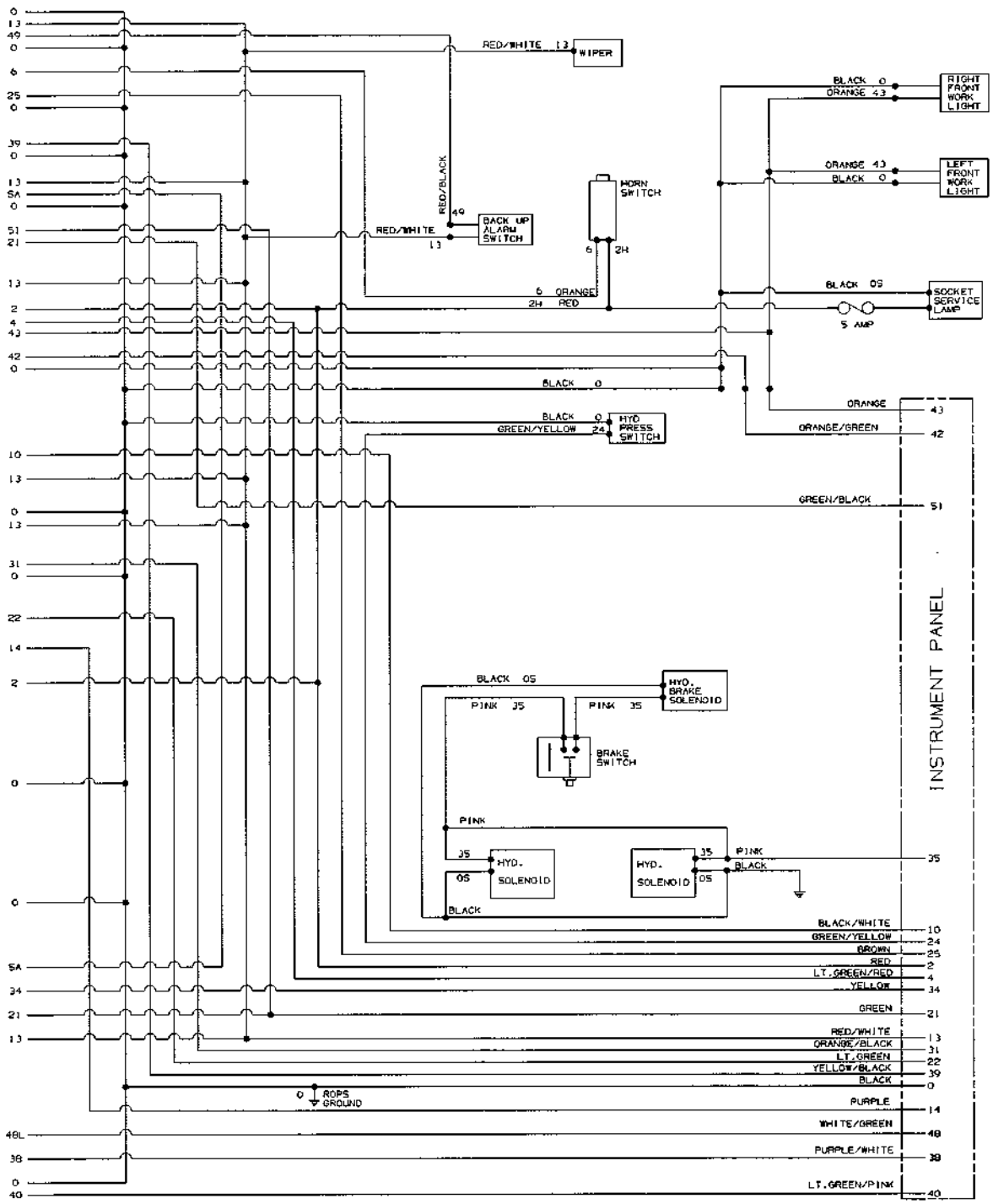
3725 Wiring Schematic



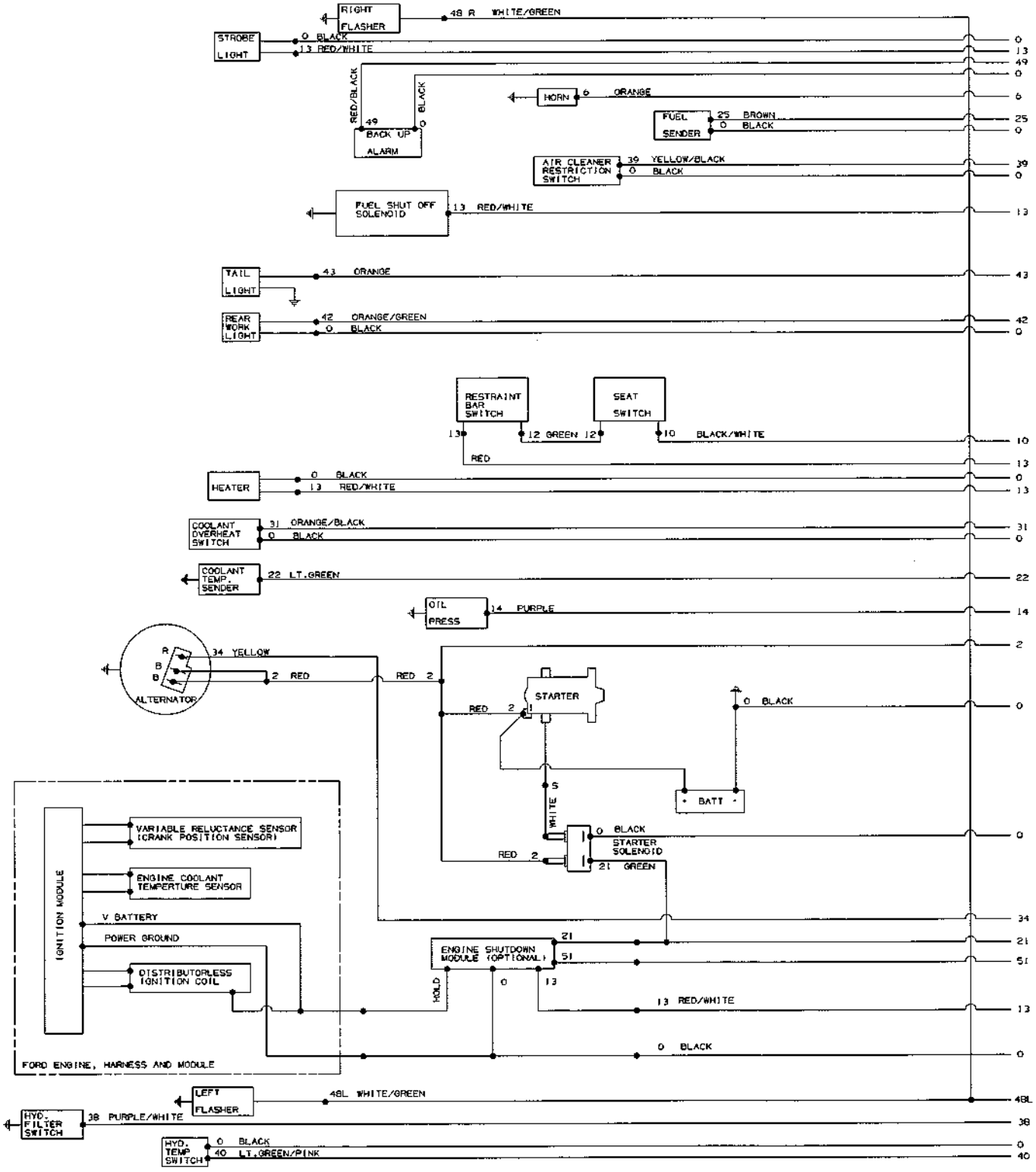
3825 Wiring Schematic



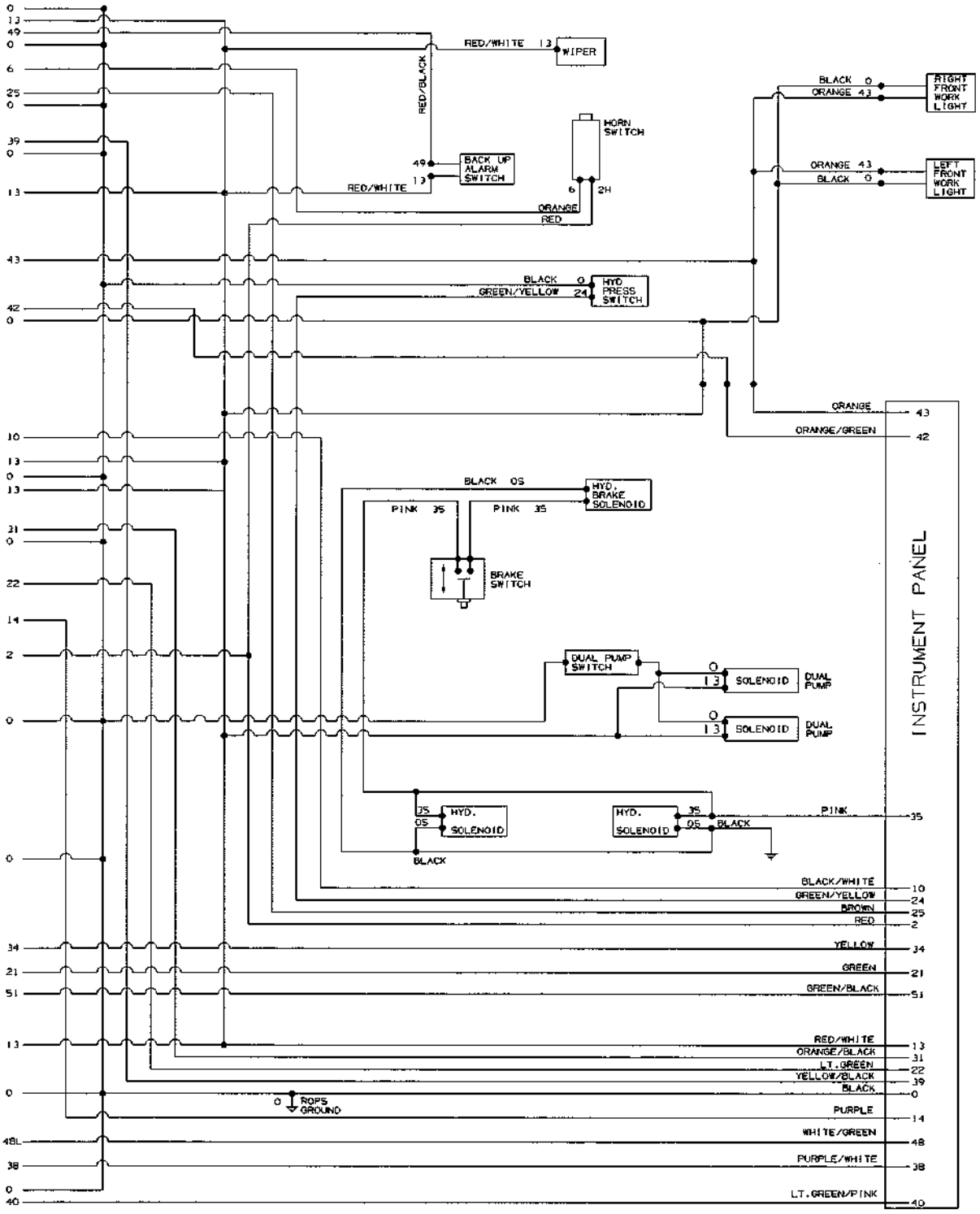
3825 Wiring Schematic



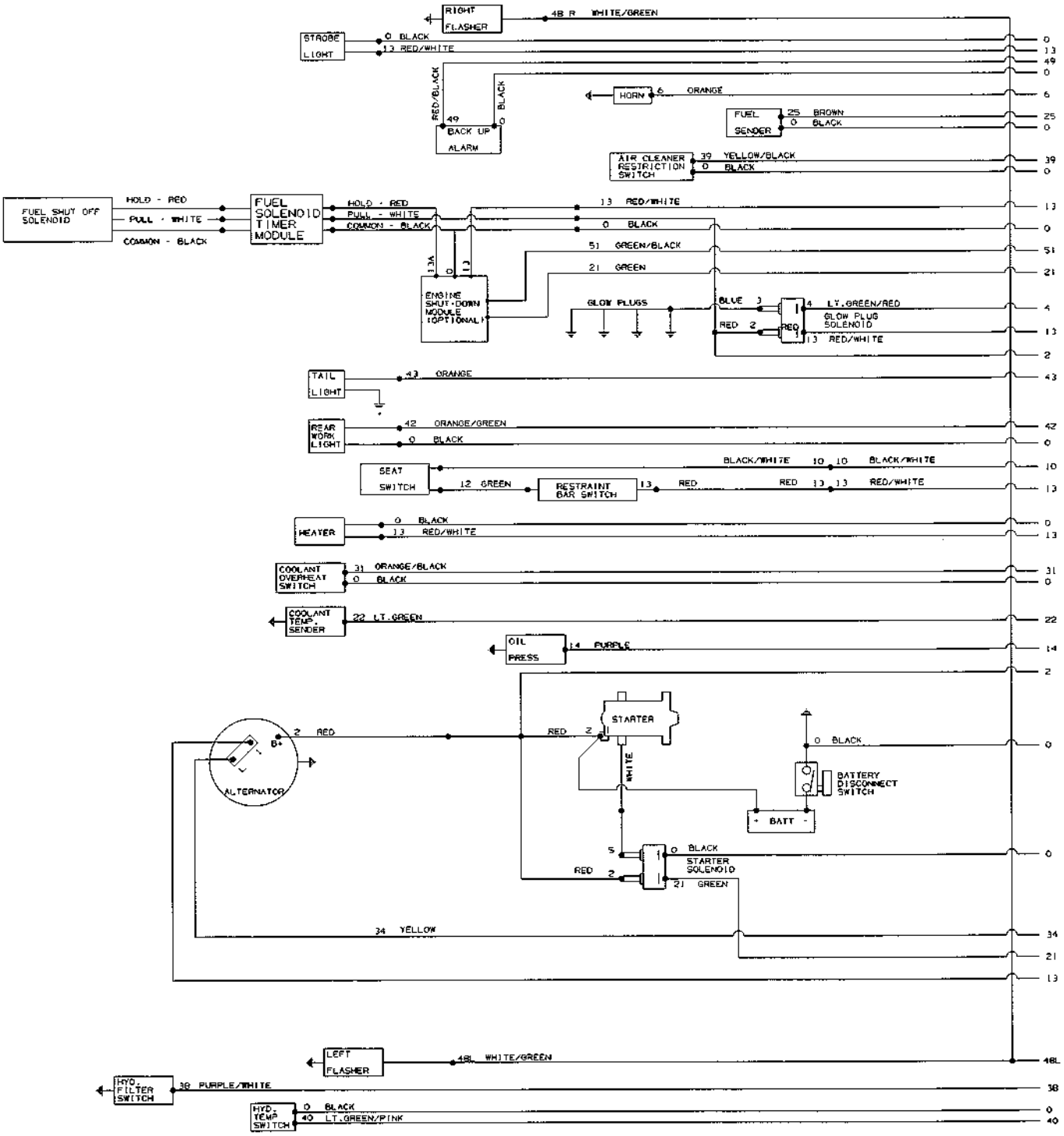
4525 Wiring Schematic



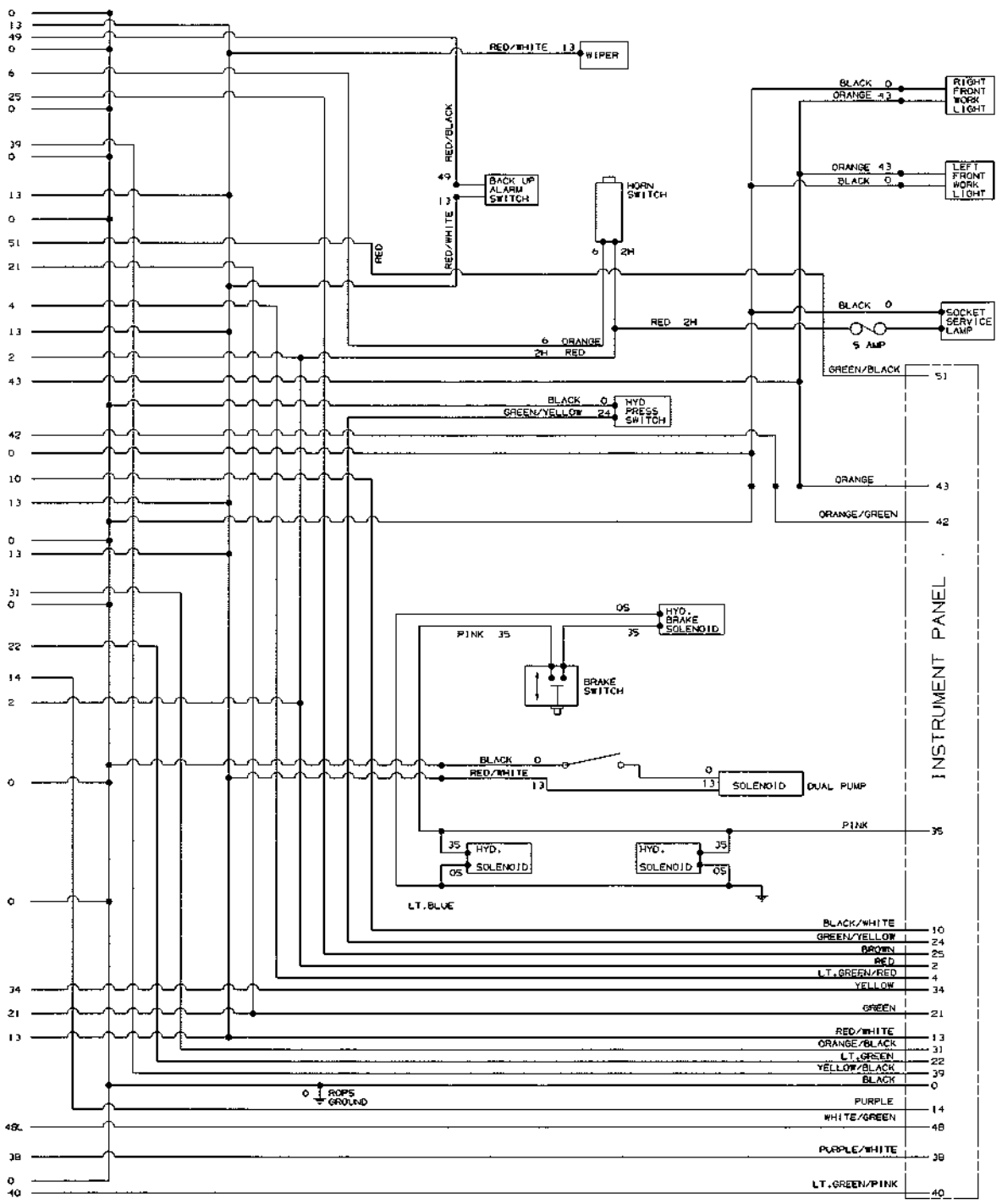
4525 Wiring Schematic



4625 Wiring Schematic



4625 Wiring Schematic



NOTES

CHAPTER 12
DECAL LOCATIONS

GENERAL INFORMATION

⚠ CAUTION

ALWAYS read and abide by the Safety Rules and information shown on Decals. If Decals become damaged, unreadable or if the unit is repainted, the Decals MUST be replaced. If repainting, MAKE SURE ALL Decals which apply to your machine are properly affixed to your unit in their proper locations.

Decal Location information is provided to assist in the proper selection and application of new decals, in the event the original decals become damaged or the machine is repainted.

For correct replacement of decals, compare the close-up location photographs to your machine BEFORE starting to refinish the unit. Check-off each required decal using the illustration reference number to find the part number, description and quantity in the list. Refer to the appropriate illustration for replacement locations.

NOTE: *Refer to the SAFETY Chapter of the Operator's Manual for the specific information provided on all of the various Safety Decals.*

NEW DECAL APPLICATION

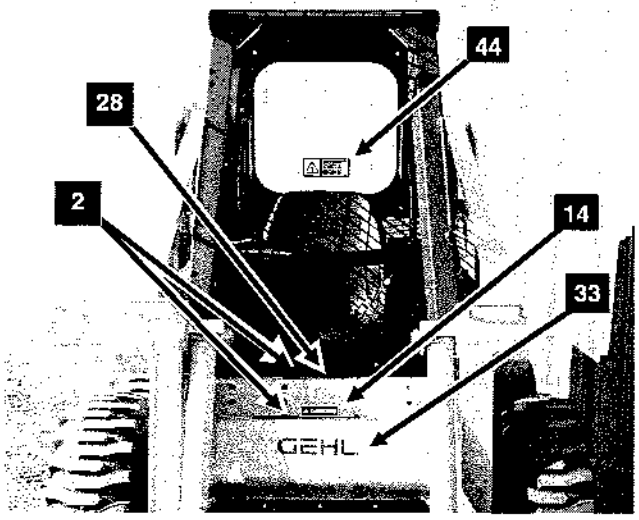
Surfaces MUST be free from dirt, dust, grease and other foreign material before applying the new decal. To apply a solid-formed decal, remove the smaller portion of the decal backing paper and apply this part of the exposed adhesive backing to the clean surface while maintaining proper position and alignment. Slowly peel off the other portion of the backing paper while applying hand pressure to smooth-out the decal surface.

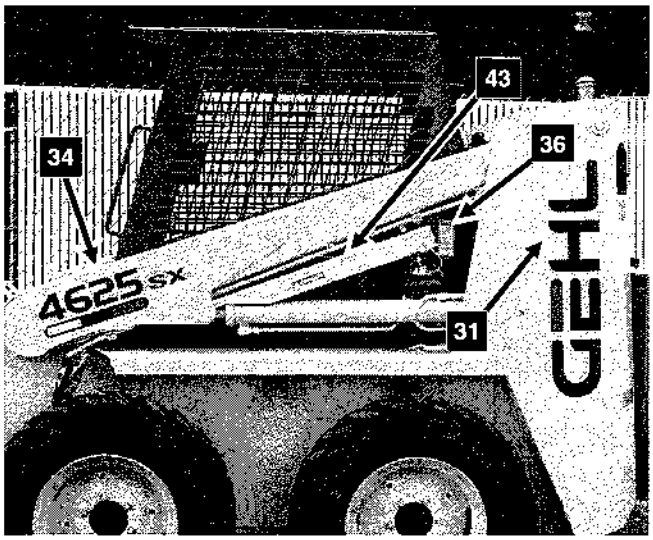
PAINT FINISH

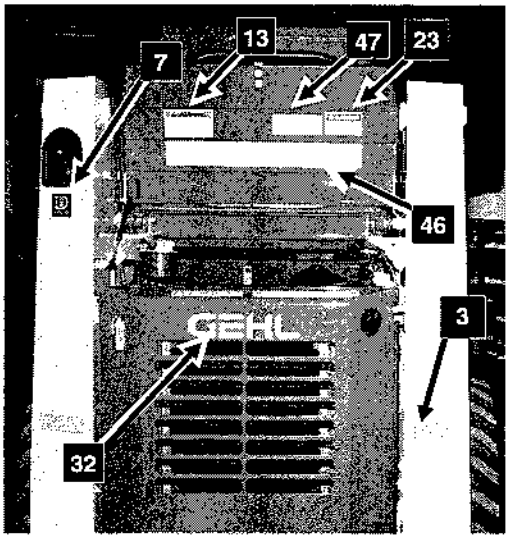
Use this list to order paint for refinishing:

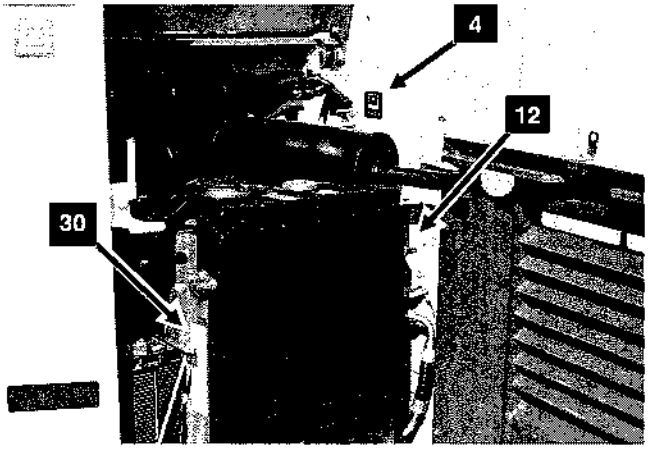
906213	One Gal. Yellow
906323	One Qt. Charcoal Grey
906317	One Gal. Charcoal Grey
906214	6 (12 oz. Spray Cans) Yellow
906318	6 (12 oz. Spray Cans) Grey

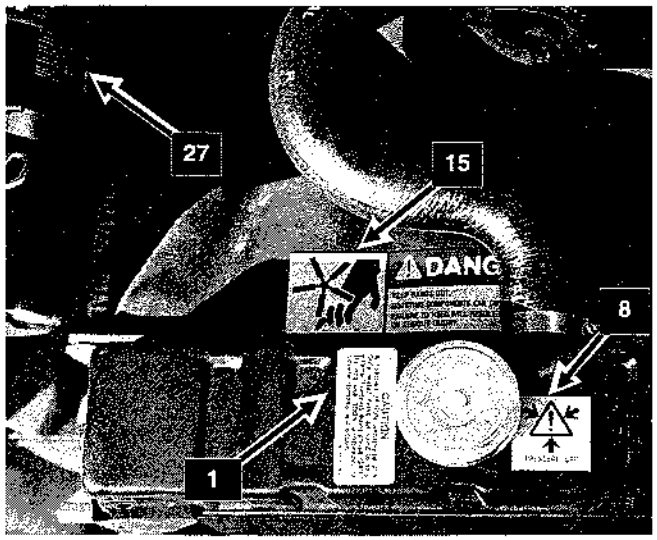
REF NO	DESCRIPTION	SL3725	SL3825	SL3825SX	SL4525	SL4625	SL4625SX	SL4625DX
	Decal Kit	122848	122849	122850	122851	122852	122853	122854
1	Coolant Mixture	056859	056859	056859	056859	056859	056859	056859
2	Non Skid Strip	064873(3)	064873(3)	064873	064873	064873	064873	064873
3	Red Reflector Strip	067493(2)	067493(2)	067493(2)	067493(2)	067493(2)	067493(2)	067493(2)
4	Hydraulic Oil Symbol	072794	072794	072794	072794	072794	072794	072794
5	Choke Symbol	072795	-	-	072795	-	-	-
6	Gasoline Symbol	072796	-	-	072796	-	-	-
7	Diesel Fuel Symbol	-	072797	072797	-	072797	072797	072797
8	Coolant Under Pressure	072798	072798	072798	072798	072798	072798	072798
9	Lift/Tilt Lever Operation (T-Bar)	072853	072853	072853	072853	072853	072853	072853
10	Traction Lever Operation (T-Bar)	072854	072854	072854	072854	072854	072854	072854
11	Slow-Fast (Rabbit-Turtle) Symbol	073075	073075	073075	073075	073075	073075	073075
12	Hydraulic Oil Level	079362	079362	079362	079362	079362	079362	079362
13	WARNING-Jump Starting Loader	091033	091033	091033	091033	091033	091033	091033
14	DANGER-Lift Arm Raised	091035	091035	091035	091035	091035	091035	091035
15	DANGER-Rotating Component	091050	091050	091050	091050	091050	091050	091050
16	DANGER-Avoid Electrical Contact	093202	093202	093202	093202	093202	093202	093202
17	IMPORTANT-Locate Manual Here	093366	093366	093366	093366	093366	093366	093366
18	WARNING-Owner's Responsibility	093367	093367	093367	093367	093367	093367	093367
19	WARNING-General Safety Precautions	093474	093474	093474	093474	093474	093474	093474
20	WARNING-Carry Load Low	093475	093475	093475	093475	093475	093475	093475
21	WARNING-Overhead Guard Safety Pin	093477	093477	093477	093477	093477	093477	093477
22	WARNING-Carry Load Low	093479	093479	093479	093479	093479	093479	093479
23	DANGER-Heating Unit Grounding	093484	093484	093484	093484	093484	093484	093484
24	WARNING-Fuel Under Pressure	093486	-	-	093486	-	-	-
25	Auxiliary Hydraulics Operation (T-Bar)	-	-	094584	-	-	094584	094584
26	Made in U.S.A.	094951	094951	094951	094951	094951	094951	094951
27	IMPORTANT-Do Not Use Ether	114316	114316	114316	114316	114316	114316	114316
28	Non Skid Strip	-	-	-	121030(4)	121030(4)	121030(4)	121030(4)
29	Operating Capacity	122208	122208	122208	094583	094583	094583	094583
30	Radiator Inspection/Cleaning	-	122239	122239	122239	122239	122239	122239
31	GEHL-on Vertical Risers	122288(2)	122288(2)	122288(2)	122288(2)	122288(2)	122288(2)	122288(2)
32	GEHL-on Grill	122289	122289	122289	122289	122289	122289	122289
33	GEHL-on Liftarm Front	122432	122432	122432	122432	122432	122432	122432
34	Model Identification	122628(2)	122629(2)	122630(2)	122291(2)	122292(2)	122293(2)	122294(2)
35	WARNING-Quick-Tach Locking Pin	122718	122718	122718	122718	122718	122718	122718
36	WARNING-Gas Cylinder	122745(2)	122745(2)	122745(2)	122745(2)	122745(2)	122745(2)	122745(2)
37	Forward-Reverse Lever (H-F)	-	-	-	123378	123378	123378	123378
38	Forward-Reverse-Aux Lever (H-F)	-	-	-	123379	123379	123379	123379
39	Lift Pedal Operation (H-F)	-	-	-	123380	123380	123380	123380
40	Tilt Pedal Operation (H-F)	-	-	-	123381	123381	123381	123381
41	Dual Pump Switch	-	-	-	-	-	-	123598
42	Warning-Do Not Open	129130	129130	129130	129130	129130	129130	129130
43	DANGER-Lift-Arm Support	129132	129132	129132	129132	129132	129132	129132
44	Emergency Exit	129133	129133	129133	129133	129133	129133	129133
45	WARNINGS	129258	129258	129258	129258	129258	129258	129258
46	Service Guide	129267	129267	129267	129267	129267	129267	129267
47	Filter Chart	129422	129422	129422	129138	129138	129138	129138
48	Brake Switch	123783	123783	123783	123783	123783	123783	123783



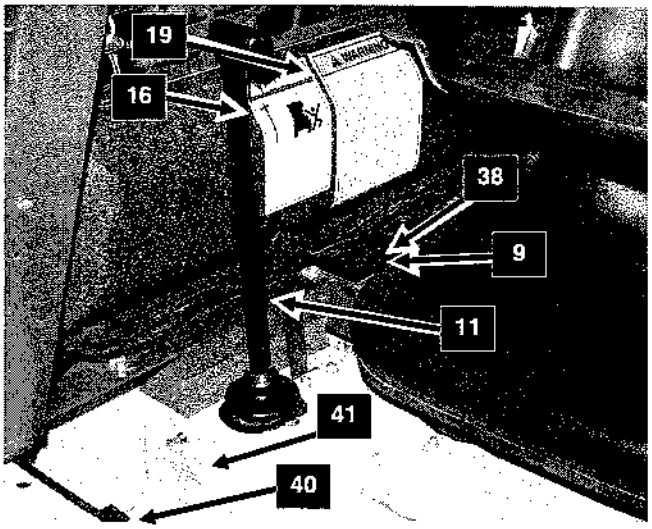


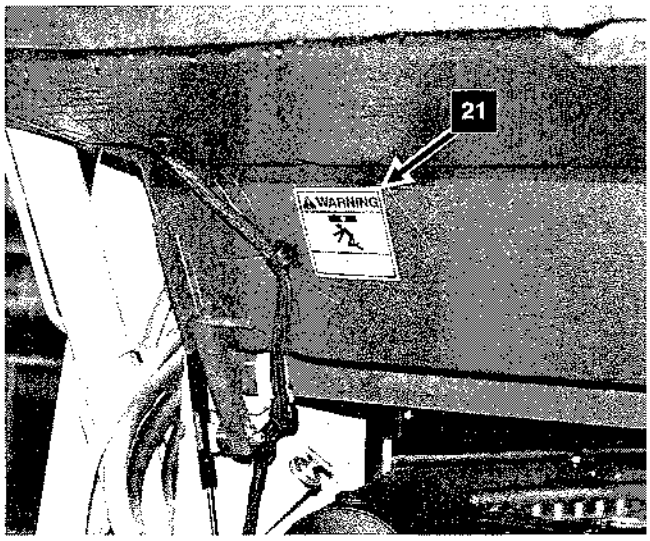


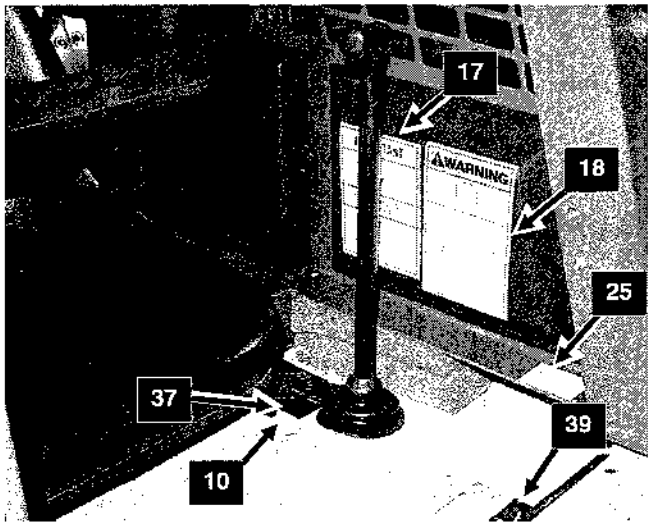


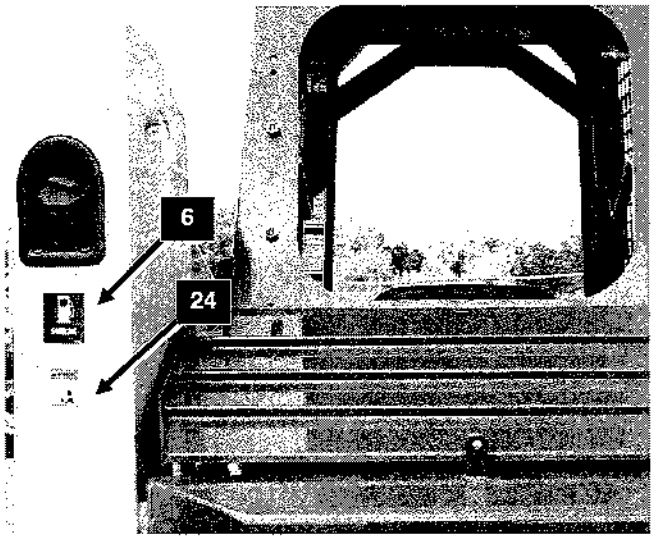


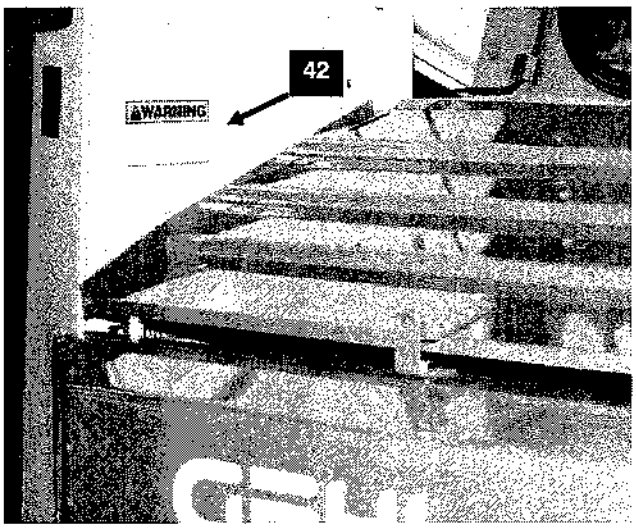
REF NO	DESCRIPTION	SL3725	SL3825	SL3825SX	SL4525	SL4625	SL4625SX	SL4625DX
	Decal Kit	122848	122849	122850	122851	122852	122853	122854
1	Coolant Mixture	056859	056859	056859	056859	056859	056859	056859
2	Non Skid Strip	064873(3)	064873(3)	064873	064873	064873	064873	064873
3	Red Reflector Strip	067493(2)	067493(2)	067493(2)	067493(2)	067493(2)	067493(2)	067493(2)
4	Hydraulic Oil Symbol	072794	072794	072794	072794	072794	072794	072794
5	Choke Symbol	072795	-	-	072795	-	-	-
6	Gasoline Symbol	072796	-	-	072796	-	-	-
7	Diesel Fuel Symbol	-	072797	072797	-	072797	072797	072797
8	Coolant Under Pressure	072798	072798	072798	072798	072798	072798	072798
9	Lift/Tilt Lever Operation (T-Bar)	072853	072853	072853	072853	072853	072853	072853
10	Traction Lever Operation (T-Bar)	072854	072854	072854	072854	072854	072854	072854
11	Slow-Fast (Rabbit-Turtle) Symbol	073075	073075	073075	073075	073075	073075	073075
12	Hydraulic Oil Level	079362	079362	079362	079362	079362	079362	079362
13	WARNING-Jump Starting Loader	091033	091033	091033	091033	091033	091033	091033
14	DANGER-Lift Arm Raised	091035	091035	091035	091035	091035	091035	091035
15	DANGER-Rotating Component	091050	091050	091050	091050	091050	091050	091050
16	DANGER-Avoid Electrical Contact	093202	093202	093202	093202	093202	093202	093202
17	IMPORTANT-Locate Manual Here	093366	093366	093366	093366	093366	093366	093366
18	WARNING-Owner's Responsibility	093367	093367	093367	093367	093367	093367	093367
19	WARNING-General Safety Precautions	093474	093474	093474	093474	093474	093474	093474
20	WARNING-Carry Load Low	093475	093475	093475	093475	093475	093475	093475
21	WARNING-Overhead Guard Safety Pin	093477	093477	093477	093477	093477	093477	093477
22	WARNING-Carry Load Low	093479	093479	093479	093479	093479	093479	093479
23	DANGER-Heating Unit Grounding	093484	093484	093484	093484	093484	093484	093484
24	WARNING-Fuel Under Pressure	093486	-	-	093486	-	-	-
25	Auxiliary Hydraulics Operation (T-Bar)	-	-	094584	-	-	094584	094584
26	Made in U.S.A.	094951	094951	094951	094951	094951	094951	094951
27	IMPORTANT-Do Not Use Ether	114316	114316	114316	114316	114316	114316	114316
28	Non Skid Strip	-	-	-	121030(4)	121030(4)	121030(4)	121030(4)
29	Operating Capacity	122208	122208	122208	094583	094583	094583	094583
30	Radiator Inspection/Cleaning	-	122239	122239	122239	122239	122239	122239
31	GEHL-on Vertical Risers	122288(2)	122288(2)	122288(2)	122288(2)	122288(2)	122288(2)	122288(2)
32	GEHL-on Grill	122289	122289	122289	122289	122289	122289	122289
33	GEHL-on Liftarm Front	122432	122432	122432	122432	122432	122432	122432
34	Model Identification	122628(2)	122629(2)	122630(2)	122291(2)	122292(2)	122293(2)	122294(2)
35	WARNING-Quick-Tach Locking Pin	122718	122718	122718	122718	122718	122718	122718
36	WARNING-Gas Cylinder	122745(2)	122745(2)	122745(2)	122745(2)	122745(2)	122745(2)	122745(2)
37	Forward-Reverse Lever (H-F)	-	-	-	123378	123378	123378	123378
38	Forward-Reverse-Aux Lever (H-F)	-	-	-	123379	123379	123379	123379
39	Lift Pedal Operation (H-F)	-	-	-	123380	123380	123380	123380
40	Tilt Pedal Operation (H-F)	-	-	-	123381	123381	123381	123381
41	Dual Pump Switch	-	-	-	-	-	-	123598
42	Warning-Do Not Open	129130	129130	129130	129130	129130	129130	129130
43	DANGER-Lift-Arm Support	129132	129132	129132	129132	129132	129132	129132
44	Emergency Exit	129133	129133	129133	129133	129133	129133	129133
45	WARNINGS	129258	129258	129258	129258	129258	129258	129258
46	Service Guide	129267	129267	129267	129267	129267	129267	129267
47	Filter Chart	129422	129422	129422	129138	129138	129138	129138
48	Brake Switch	123783	123783	123783	123783	123783	123783	123783

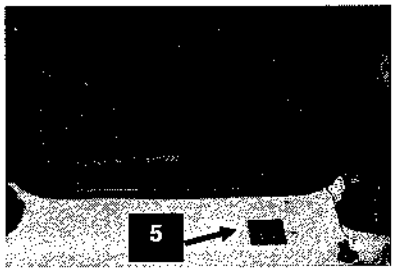


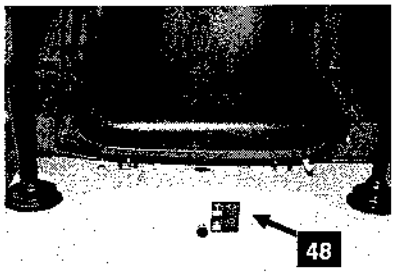












CHAPTER 13
MAINTENANCE

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 Interval Chart for recording the Maintenance Procedures performed. Recording the 10 Hour (or Daily) intervals would be impractical and is therefore not recommended.

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

MAINTENANCE INTERVAL CHART

SERVICE PROCEDURE	Every 10 Hours (or Daily)	Every 100 Hours	Every 200 Hours	Every 500 Hours (or Yearly)
Check Engine Air Cleaner System	●			
Check Engine Cooling System	●			
Check Fuel Filter-Water Trap (Diesel Engines only)	●			
Check Engine Oil Level	●			
Check Hydraulic Oil Level	●			
Check Tire Pressures	●			
Lubricate all Cylinder Pivots	●			
Lubricate Lift Arm Pivots	●			
Check Seat - Restraint Bar Operation	●			
Clean Radiator and Oil Cooler Fins	●			
Check Planetary Gearcase Oil Level		●		
Replace Engine Oil and Filter		●		
Lubricate T-Bar Pivots		●		
Retorque Wheel Nuts		●		
Check Drive Chain Tension		●		
Check Chaincase Oil Level		●		
Clean Spark Arrestor Muffler		●		
Check all Belt Tensions		●		
Check Battery		●		
Replace Hydraulic Filter Element			●	
Check Radiator Hoses and Clamps			●	
Check Governor Oil Level (Gasoline Engines only)			●	
Grease Fitting on Governor (Gasoline Engines only)			●	
Grease Axle Hubs				●
Retorque Engine Mounts				●
Replace Fuel Filter				●
Change Hydraulic Oil and Clean Strainer				●
Flush Radiator and Replace Anti-Freeze				●
Check Engine Valve Tappets (Gasoline Engine only)				●
Replace Spark Plugs (Gasoline Engine only)				●
Change Chaincase Oil				●

NOTE: *Continue to repeat the Service Procedures at every specified time interval.*

MAINTENANCE LOG

Date	Hours	Service Procedure

MAINTENANCE LOG

Date	Hours	Service Procedure

MAINTENANCE LOG

Date	Hours	Service Procedure

Index

P

Q

R

S

T

U

V

W

NOTES

NOTES

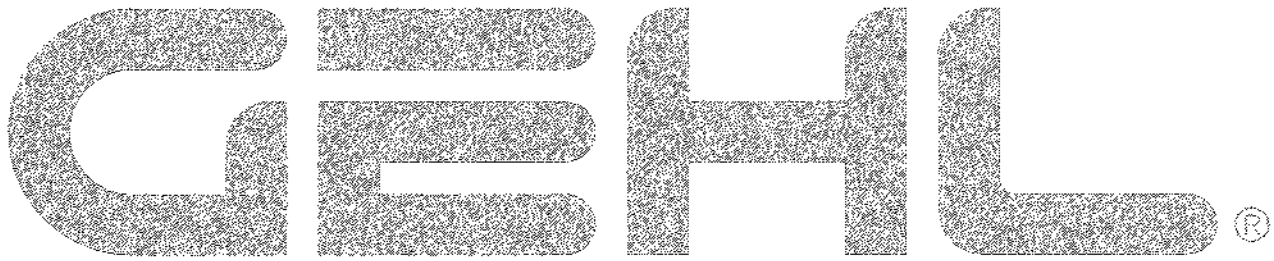
TORQUE SPECIFICATIONS

Use these torque values when tightening GEHL 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	35	35	70	55
7/16-20	36	27	40	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	110	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 COURSE 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 (Nm) multiply ft-lbs value x 0.113.



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