SPECIFICATIONS

GENERAL

Height	82.5"
Width	69"
Length	114.75"
Ground Clearance	16"
Weight (Without Loader)	7,500 lbs.
Weight (With Loader)	8,640 lbs.
Top Speed	6 mph
Ground Pressure w/Zero Track Penetration	3 psi (With Loader)
Square Inches of Track on the Ground	2826 sq. in.

ENGINE

Model	Caterpillar 3054T
Type	Diesel, Liquid Cooled, In-Line 4 Cylinder
Displacement	4 liter
Gross Horsepower	105 hp at 2,400 rpm
Peak Torque	284 ft.-lb.

TRACK SPECIFICATIONS

Width	18"
Length	220"
Weight	265 lbs.

TRACK CONSTRUCTION

Molded Rubber with Kevlar™ reinforcement, no steel in track, 2 rows of internal drive lugs.

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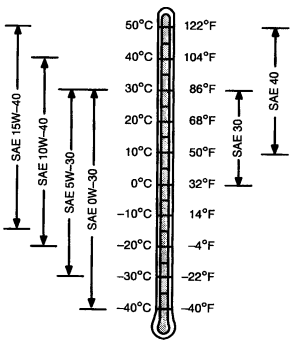
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MAINTENANCE SCHEDULE

ITEM	FREQUENCY	LUBRICANT
Hydraulic fluid	500 hours	Amoco Rykon MV
Hydraulic filters	250 hours or as needed	
Engine oil and filter	500 hours	Caterpillar approved
Engine fuel filter	500 hours or as needed	
Primary air filter	Clean and replace as needed	
Secondary air filter	Every 3 cleanings of primary	
Planetary oil	1,000 hours or annually (After 50 hr. break-in)	SAE 80w-90 gear lube
Loader grease fittings	Daily	Low temp grease
Wheel tubes	Check level at 1,000 hours	SAE 80w-90 gear lube
Track tension	As needed	

SERVICE ITEMS

FLUID	CAPACITY	TYPE
Fuel	25 gallons	Diesel
Hydraulic oil	28 gallons	Amoco Rykon MV
Planetary oil	1 quart	SAE 80w-90 gear lube
Wheel tube oil	12 ounces	SAE 80w-90 gear lube
Engine oil	8 quarts	See chart below

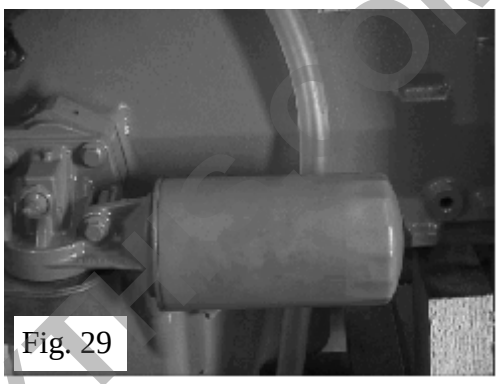


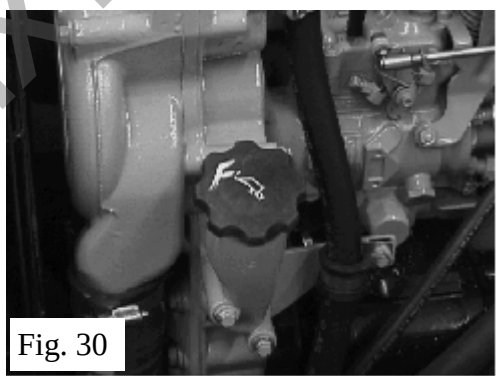
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GENERAL MAINTENANCE

ENGINE OIL & FILTER CHANGE


Fig. 29


Fig. 30

The normal oil change interval is every 500 service hours or six months. Engines, which are operated under severe conditions, may need the oil changed to be changed every 250 service hours or three months. Severe conditions include the following: high temperatures, continuous high loads, and dusty conditions.

1. Run engine approximately 5 minutes to warm up oil. Shut off engine.

2. Remove oil drain plug beneath the engine compartment and allow to drain. After the oil has been allowed to drain, clean the oil drain plug and reinstall.

3. Remove oil filter element and dispose of properly or consult your dealer for analysis.

4. Clean the sealing surface of the filter mounting base. Ensure that all of the old oil filter gasket is removed. Apply clean engine oil to the new oil filter gasket.

5. Install the new oil filter. Tighten the oil filter until the oil filter gasket contacts the base. Tighten the oil filter by hand according to the instructions that are shown on the filter. DO NOT over tighten the oil filter.

6. Fill engine crankcase to specified level. (Approximately 8 quarts) (Fig. 30)

7. Start the engine and run the engine at LOW IDLE for two minutes. Check for leaks. Wait ten minutes and check oil level.

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TROUBLE SHOOTING (GENERAL)

PROBLEM	CAUSE	REMEDY
Vehicle won't turn over	1. Battery cables loose or corroded.	1. Tighten or clean cables
	2. Drive levers or auxiliary levers are not in neutral	2. Put levers in neutral
	3. Operator not in seat with seat belt on	3. Sit down and put seat belt on
Vehicle turns over but will not start	1. Out of fuel or fuel pick-up may not be in fuel if parked on a hill	1. Add more fuel and bleed fuel system
	2. Pinched fuel line	2. Find and correct
	3. Load on engine from High or Low flow auxiliary lever being engaged	3. Put lever in neutral
	4. Fuel solenoid is not opening	4. Check wiring
	5. Plugged fuel filter	5. Change filter
Vehicle starts but engine runs rough	1. Low-flow auxiliary hydraulic lever is engaged	1. Put lever in neutral
	2. High-flow auxiliary hydraulic lever is engaged	2. Put lever in neutral
Vehicle starts but tracks won't go	1. Operator not seated in seat	1. Sit down & fasten seat belt.
	2. Defective seat switch	2. Refer to electrical trouble shooting guide
	3. Defective solenoid	3. Refer to electrical trouble shooting guide
	4. Low charge pressure	4. Refer to page 44
Under heavy load or in loose material vehicle won't turn	1. Tracks have lost traction	1. Reduce load or put more power to the inside track
	2. Oil going to drive motor is going over the relief valve	2. Reduce load. Increase power to inside track

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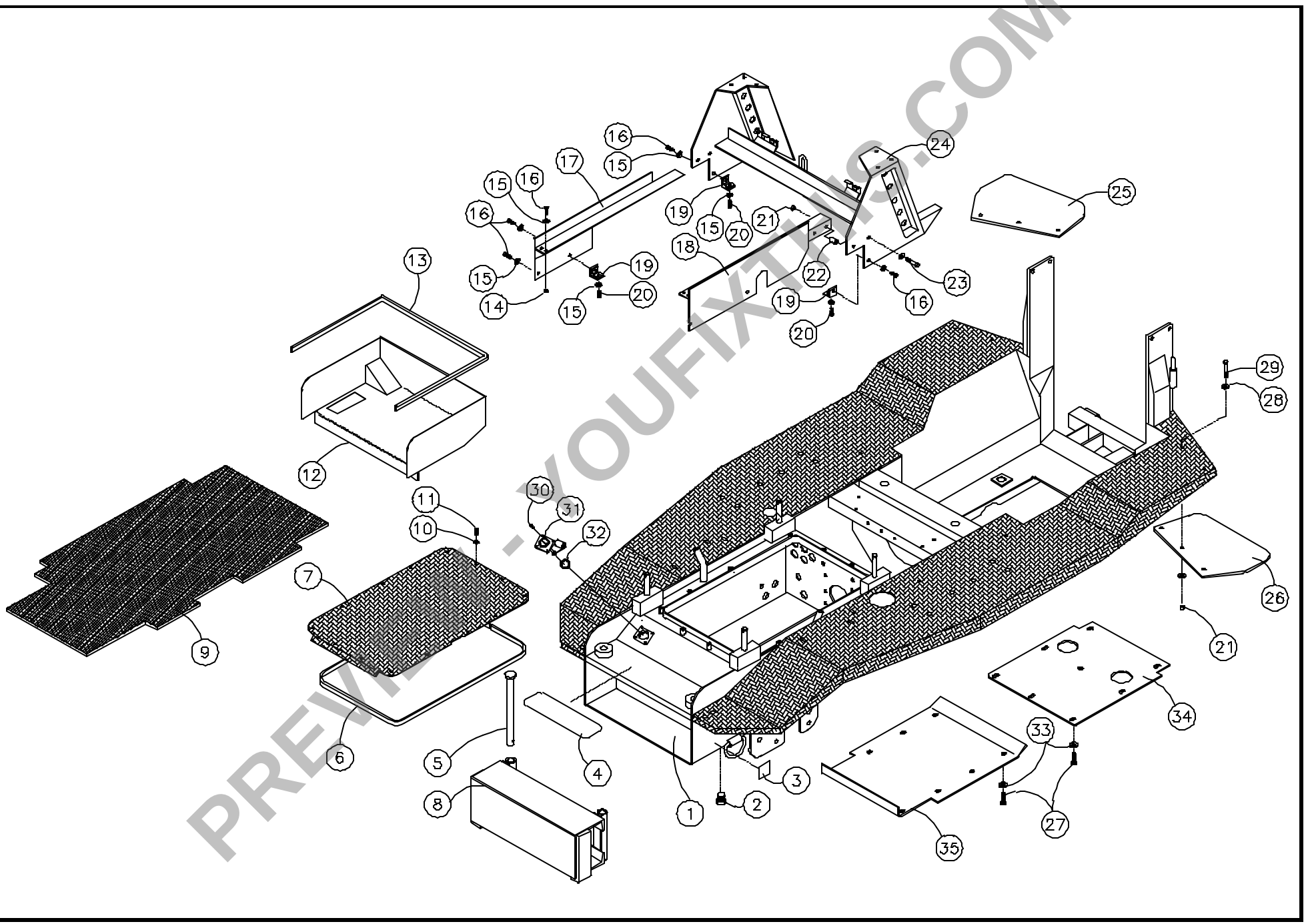
ASV, Inc.
GRAND RAPIDS, MN.

SEAT ASSEMBLY

REF. NO.	PART NUMBER	QTY	DESCRIPTION
1	0302-097	2	ISOLATOR,FOOTREST
2	0302-089	1	FOOTREST
3	0308-325	1	WLMT,SEAT BASE
4	0302-382	4	PIN,LYNCH,5/16
5	8050-247	8	WASHER,WROUGHT,5/16,SAE,ZN
6	8040-426	4	NUT,HEX,NYLOCK,5/16-18 UNC,ZN
7	0307-250	1	ASSY,SEAT,MD4500
8	0307-778	1	LATCH,HANDLE,TEE,FOLDING
9	8050-240	2	WASHER,STAINLESS,1/4",MS
10	0307-783	2	NUT,HEX,M6x1.0 NYLOCK
11	0307-785	1	PAWL,LATCH
12	0307-790	2	NUT,HEX,JAM,M10x1.5,ZN
13	0401-976	1	TRIM,SMALL
14	0308-376	1	SLIDES, DRAWER, SEAT
15	0308-332	1	WLMT, DRAWER, SEAT BASE
16	0308-340	1	HOOK,BIG
17	0308-339	1	HOOK,SMALL
18	0310-360	3	KNOB,SEAT
19	0308-351	1	WLMT,ROD,ADJUSTMENT
20	0308-348	1	WLMT,JACK
21	0308-380	1	WLMT, PIN
22	0308-343	1	WLMT,WRENCH
23	0308-346	1	SPACER,THREADED
24	0308-344	1	HOUSING,INSIDE
25	0308-345	1	ROD,THREADED,WRENCH
26	8042-486	1	NUT,HEX,3/8-16 UNC,ZN
27	0310-359	1	KNOB,WRENCH
28	0310-081	1	BELT,SEAT,2"
29	0310-080	1	BELT,SEAT,3"
30	0310-082	1	LATCH,BELT,SEAT
31	8102-224	2	CAPSCREW,HH,3/8-16UNCx1.25,GD8
32	8050-282	4	WASHER,WROUGHT,3/8,STD,ZN
33	0401-639	1	KIT,DRAIN,PLANETARY
34	0310-932	1	STOP, JACK
35	0310-657	1	MANUAL, OPERATORS, 4810
36	0310-658	1	MANUAL, PARTS, 4810
37	0310-989	1	MANUAL, PARTS, 3054
38	0310-654	1	LANYARD
39	8040-486	2	NUT,HEX,NYLOCK,3/8-16 UNC,ZN
40	8050-262	1	WASHER,WROUGHT,5/16,STD,ZN
41	0310-462	2	CLAMP,WIRE,5/16
42	0307-776	2	SCREW,TAPPING,HH,#10 X 3/4
43	0310-251	1	HARNESS,ELEC,B, SEAT

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TRANSMISSION

DRIVE MOTOR

DRIVE MOTOR

HIGH
FLOW
AUX
PUMP

FILTER

BRAKE CYL

HIGH
FLOW
DIRECTIONAL
VALVE

FILTER

COOLER

FILTER

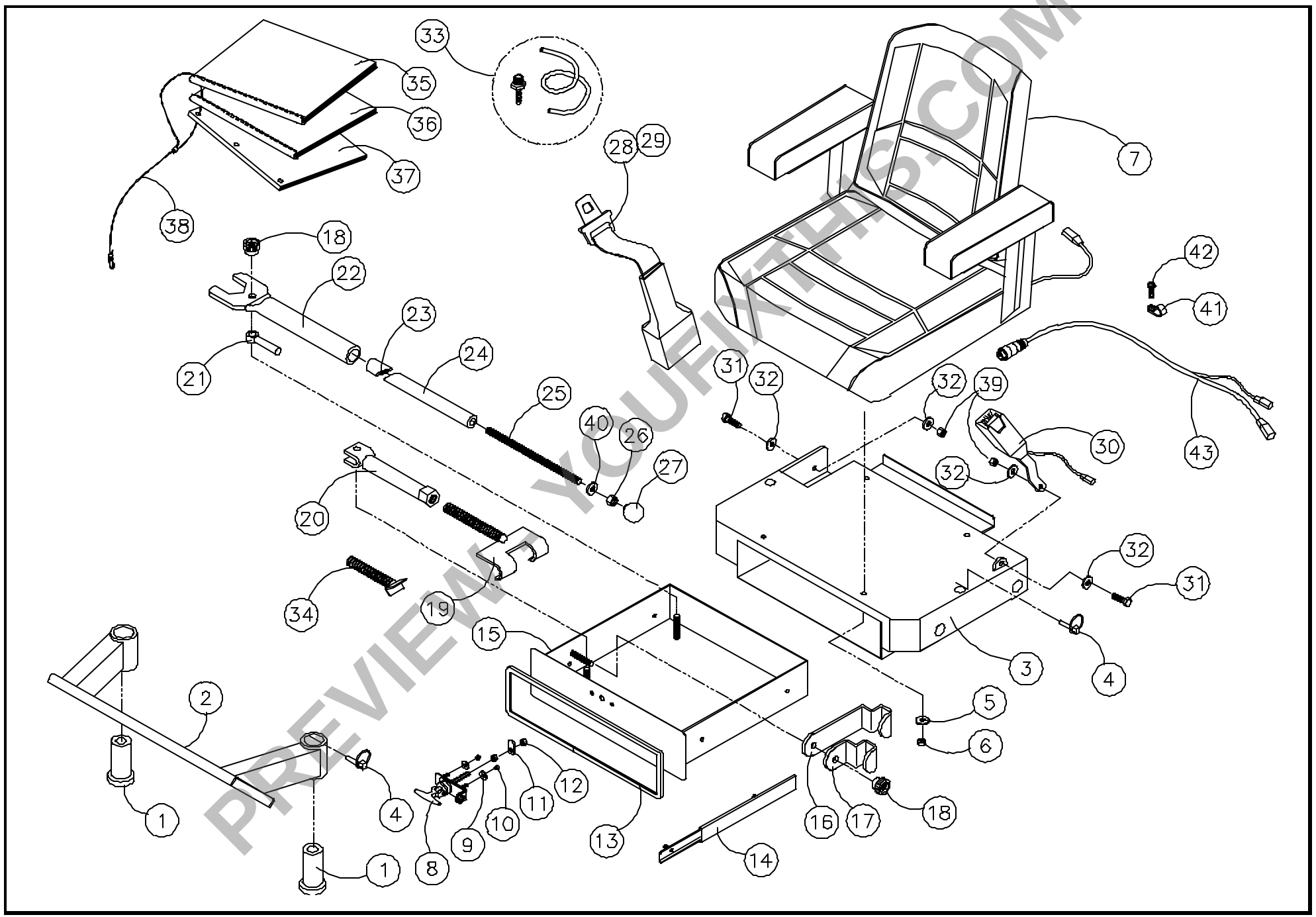
LOW PRESSURE
CASE DRAIN

LOW
FLOW
AUX
PUMP

LOADER VALVE
DIRECTIONAL VALVE

4810 HYD SCHEMATIC

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4810 ELECTRICAL SCHEMATIC

WIRES THAT HAVE BATTERY VOLTAGE WHEN THE KEY SWITCH IS OFF

WIRES THAT HAVE BATTERY VOLTAGE WHEN THE KEY SWITCH IS ON

STARTING CIRCUIT
CHASSIS CIRCUIT
ACTION LAMP CIRCUIT
TOOL LAMP CIRCUIT
SOLENOID/SIREN CIRCUIT
GROUND CIRCUIT
ENGINE SHUTDOWN CONTROL CIRCUIT
ENGINE RUNNING SOLENOID CIRCUIT
START AID CIRCUIT

ALL DOWNED LINES ARE ATTACHMENTS

ABBREV.	COLOR
BLK	BLACK
BLU	BLUE
BRN	BROWN
YL	YELLOW
GRY	GRAY
RED	RED
ORN	ORANGE
GRN	GREEN
WHT	WHITE

FUSE	AMP
MINI	10
MINI	15
MINI	20
MINI	25
MINI	30
MINI	35

AWG	mm2
22	0.5
20	0.8
18	1
16	2
14	2.5
12	4
10	6

WIRE COLOR CODE		
WIRE COLOR	WIRE GAUGE	DESCRIPTION
BLK	14	GROUND CIRCUITS
BLK	16	GROUND WIRES
BRN	14	CHASSIS WIRES
BRN	16	ACT WIRES
BRN	18	ACTION LAMP CIRCUITS
BRN	20	ACTION LAMP WIRES
BRN	22	ENGINE WIRING HARNESS
BRN	24	ENGINE WIRING HARNESS
BRN	26	ENGINE WIRING HARNESS
BRN	28	ENGINE WIRING HARNESS
BRN	30	ACTUATOR WIRING HARNESS
BRN	32	ACTUATOR WIRING HARNESS
BRN	34	HEATER FAN WIRING
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POWER DISTRIBUTION
HARNESS J 0310-259

SEAT HARNESS
HARNESS B
0310-251

LOADER VALVE
HARNESS O
0310-264

AUX CONSOLE
HARNESS A
0310-250

HEATER FAN
0310-889

RESRVOIR
HARNESS D
0310-253

MAIN CONSOLE
HARNESS E
0310-254

NEUTRAL
RESET
0310-204

BRAKE
SOLENOID
0310-298

CRADLE
HARNESS H
0310-257

BOOM HARNESS
HARNESS Q
0310-266

BATTERY
0301-659

ROLL CAGE
HARNESS M
0310-262
HARNESS M
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ENGINE
HARNESS K
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GENERAL SAFETY

NEVER attempt to start the machine without sitting in the seat with the seat belt fastened.

ALWAYS wear your seat belt when operating the POSI-TRACK.

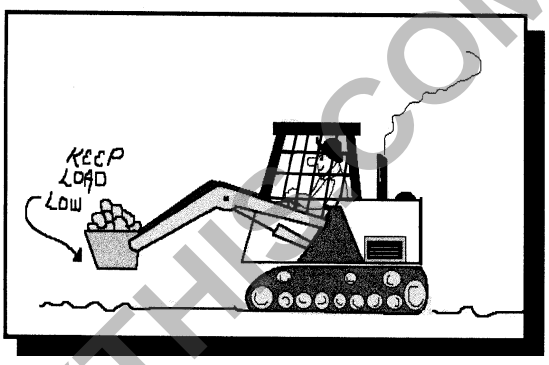
ALWAYS drive with the loader in the lowest possible position. Traveling with the loader raised causes the center of gravity (CG) to be raised, which increases the possibility of roll over in any direction.

USE EXTREME CAUTION and common sense when traveling on inclines. Avoid sudden stops, excessive speed, and avoid obstacles. Sudden shifts in CG could cause roll over.

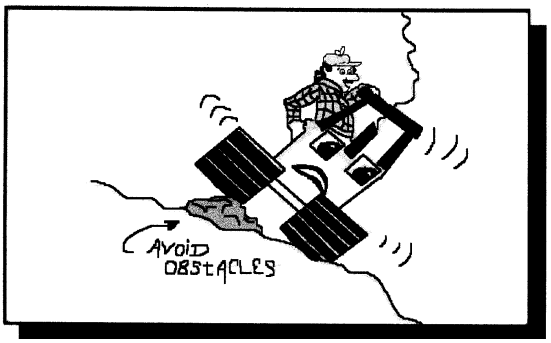
NEVER use the POSI-TRACK to transport personnel. Never let anyone ride on the vehicle or in the bucket.

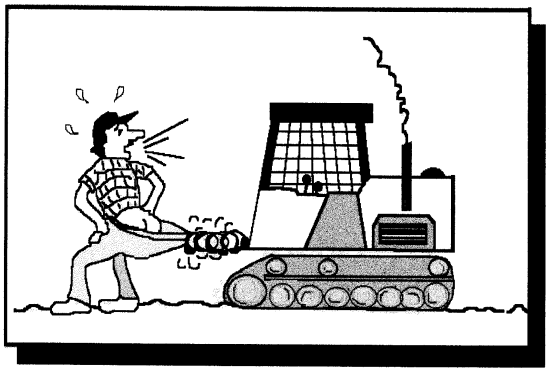
ALWAYS shut the engine off when adding fuel, oil, or water to the engine. Always shut the engine off when cleaning the radiator and oil cooler or when doing any maintenance or adjustments.

NEVER get out of the vehicle when an attachment is running.









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WARRANTY LIMITATIONS

GROSS VEHICLE WEIGHT

The GVW (Gross Vehicle Weight) of the POSI-TRACK 4810 should not exceed 12,500 lbs. This weight includes any accessories, attachments, or material being carried. Exceeding the 12,500 lb. GVW will void the WARRANTY.

MODIFICATIONS

Any modifications made to the vehicle can affect the WARRANTY. Before any modifications are made, have your dealer contact ASV, INC. for written approval. Modifications include, but are not limited to: additional hydraulic plumbing, alternative attachment mounting, welding to the frame or roll cage, welding to the undercarriage, track modification, etc.

ATTACHMENTS

Attachment use can also affect the WARRANTY. The attachment should be sized correctly for the vehicle's operating capacity and hydraulic system. An attachment that cannot accept the machines hydraulic flow and pressure can create extreme heat and cause failures to the vehicle's hydraulic system. An attachment which is oversized for the vehicle's carrying capacity, can cause premature failure to the vehicle's mounting system, frame, undercarriage, axles, bearings, etc. When determining the weight of the attachment the following items must be considered: the distance the mounted attachment is extended from the vehicle and the weight of the attachment's load. Refer to page 19 for operating capacity limits.

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