SPECIFICATIONS

GENERAL

	82.5"
Height	69"
Width	113"
Length	16"
Ground Clearance	6,800 lbs.
Weight (Without Loader)	7,450 lbs.
Weight (With Loader)	7 mph
Top Speed	2.4 psi (Without Loader)
Ground Pressure w/Zero Track Penetration	2826 sq. in.
Square Inches of Track on the Ground	

ENGINE

	Isuzu 4JB1
Model	Diesel, liquid Cooled, In-Line 4 Cylinder
Type	2.8 liter (cid)
Displacement	70 hp at 3,000 rpm
Horsepower , 2800	75 hp at 3,000 rpm
Horsepower , 2810	128 ft.-lb.
Peak Torque, 2800	152 ft.-lb. (Continuous)
Peak Torque, 2810	

TRACK SPECIFICATIONS

	18"
Width	220"
Length	265 lbs.
Weight	2

TRACK CONSTRUCTION

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

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GENERAL OPERATION

OPERATING INSTRUCTIONS

Enter the vehicle when the loader is all the way down. Never enter the vehicle by going under a raised loader. (Fig. 5)


Fig. 5

!WARNING!
Entering or exiting the vehicle under a raised loader could cause serious injury or death. Never put yourself underneath a raised, unsecured, loader. (Fig. 6)


Fig. 6

Adjust the seat forward or back so both feet reach the footrest and both hands reach the controls.
Check to make sure all auxiliary levers are in

NOTE
It is recommended that your elbows reach the arm rests on the seat. This will allow for steadier control over rough terrain and will also lessen fatigue.

the neutral position and that the throttle is in the idle position.


Fig. 7

Fasten seat belt, and adjust so it fits snugly around your waist. (Fig. 7)

!WARNING!
Failure to wear the seat belt could lead to serious injury or death.

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GENERAL MAINTENANCE

BREAK-IN PROCEDURES

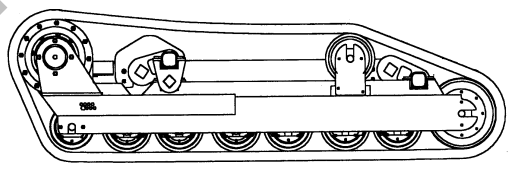
Although all systems on the POSI-TRACK are tested at the factory to ensure proper operation, there are a few items that require a break-in period. Certain components need readjustment and others require special care within the first 100 hours of operation. PROPER BREAK-IN PROCEDURES ARE CRITICAL TO THE LONG TERM RELIABILITY OF THE POSI-TRACK. Extra care during this period will pay-off down the road.

CAUTION
Failure to perform the proper break-in procedures will cause premature component failure.

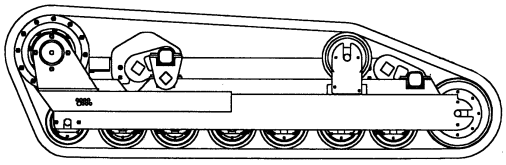
TRACKS

Proper track tension plays an important part in the over-all performance of the POSI-TRACK. A track run too loose can cause premature track failure and cause the track to derail. Although track tension is set properly at the factory, the tracks will need an adjustment after break-in. Once the Kevlar™ and other special materials in the track are pulled straight, minimal adjustment will be required. The break-in period of a track can range from just a few hours to over 10 hours, depending on the track and how the vehicle is operated.

Track will loosen during break-in



Track needs to be tightened after break-in



The tracks on the POSI-TRACK are easy to tighten. It takes only a few minutes and will be well worth the time (See page 35 for track tensioning procedure.) After the initial track break-in, the tracks may not need to be tightened for several hundred hours, however, **the tracks should be inspected daily and tightened as necessary.**

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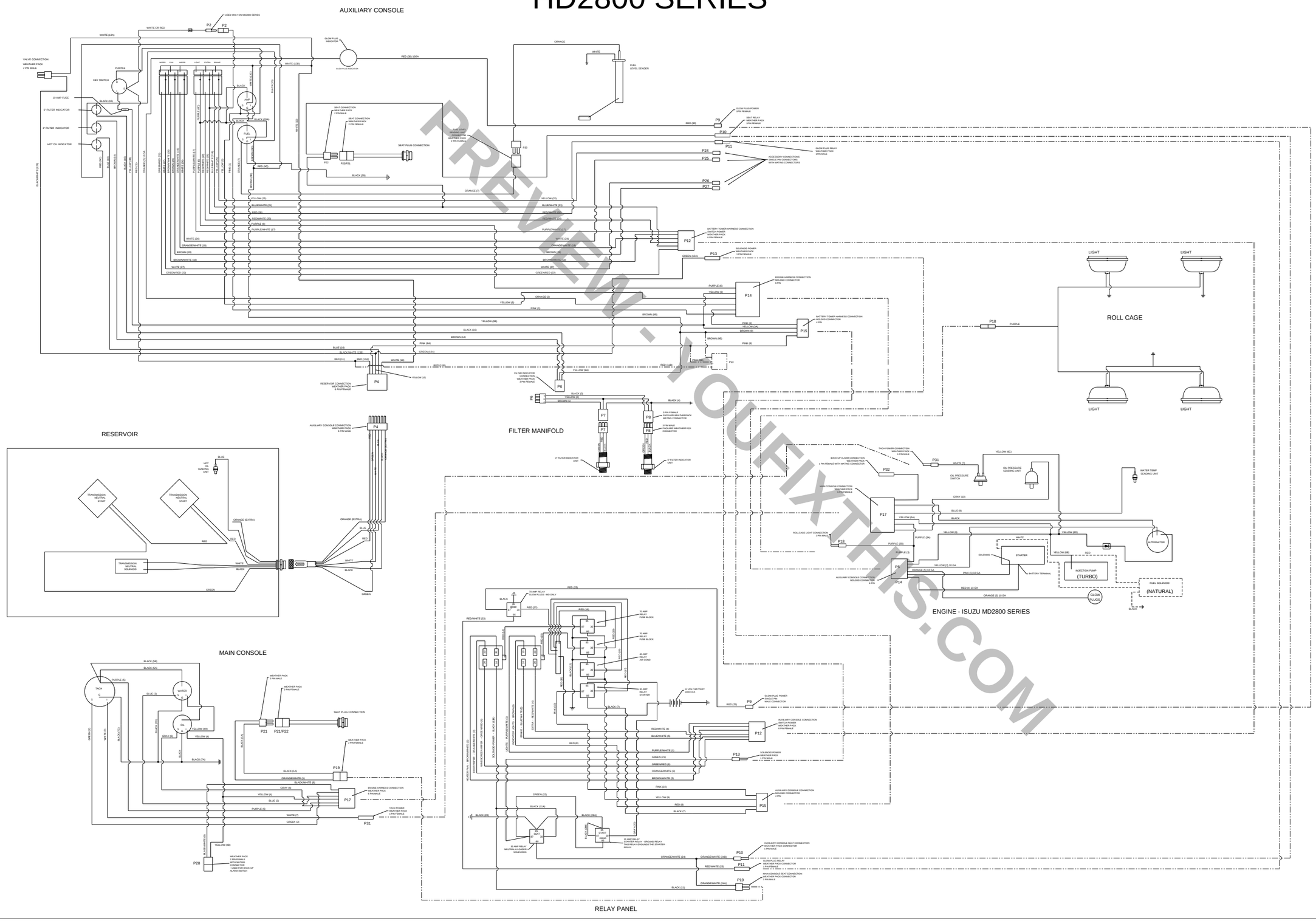
TROUBLE SHOOTING (GENERAL)

PROBLEM	CAUSE	REMEDY
Vehicle won't turn over	1. Battery cables loose or corroded.	1. Tighten or clean cables
	2. Drive levers are not in neutral	2. Put levers in neutral
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. Refer to electrical trouble shooting guide
	5. Plugged fuel filter	5. Change filter
	6. Cold weather – need starting aid.	6. Refer to Engine manual
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. Contact dealer
Under heavy load or in loose material vehicle won't turn	1. Tracks have broken 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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HD2800 SERIES



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TRANSMISSION

DRIVE MOTOR

DRIVE MOTOR

AUX
PUMPS

BRAKE CYL

COOLER

FILTER

DIRECTIONAL
VALVE

FILTER

DIRECTIONAL VALVE
(LOADER VALVE)

HYDRAULIC SCHEMATIC MD2800

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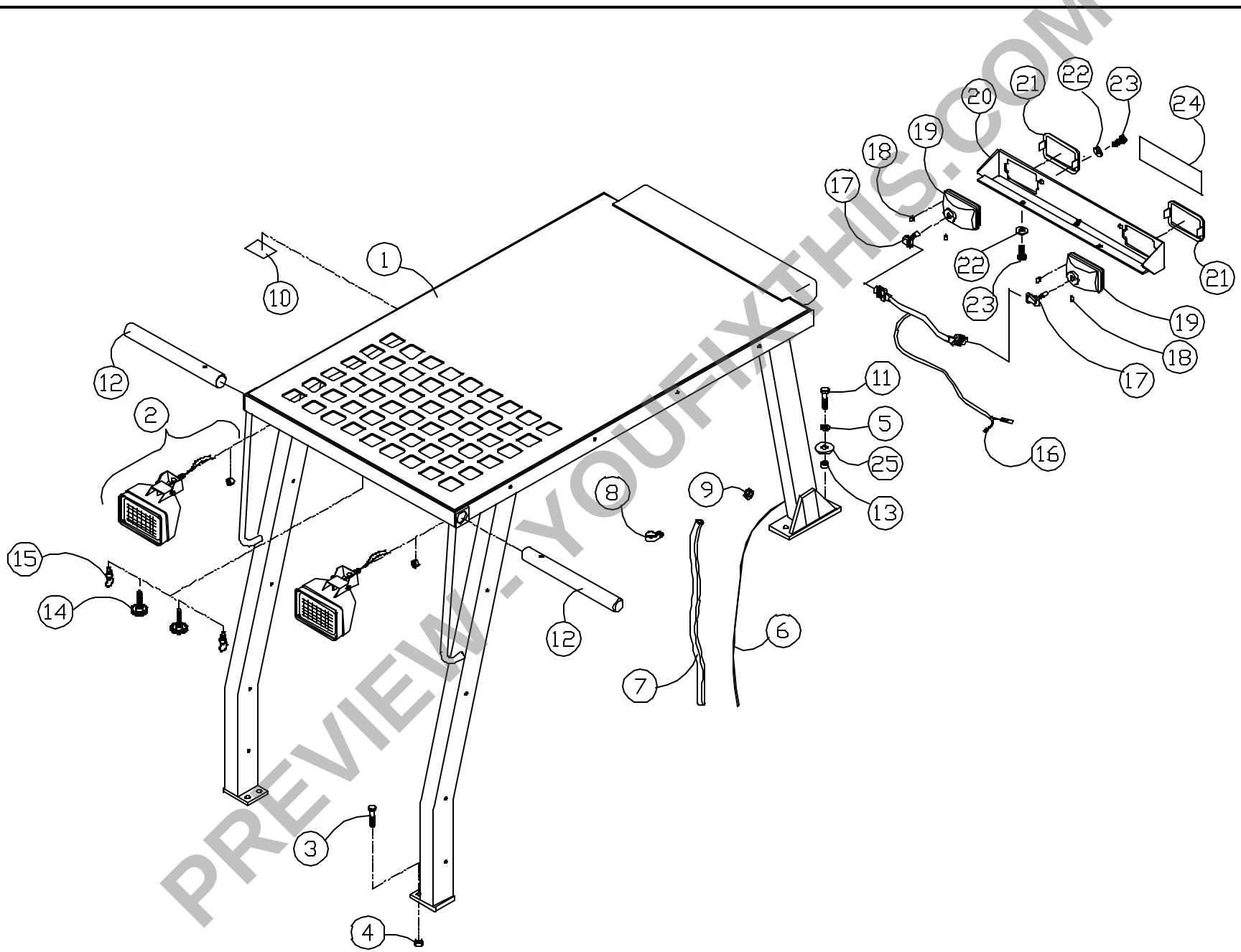
SEAT ASSEMBLY

REF. NO.	PART NUMBER	QTY	DESCRIPTION
1	0302-097	2	ISOLATOR,FOOTREST
2	0302-089	1	FOOTREST
3	0307-719	1	WELDMENT,BASE,SEAT
4	0302-382	2	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	SEAT,907-18 W/CABLE ASSY
8	8003-222	2	CAPSCREW,HH,3/8-24 UNFx1.0,GD2
9	8040-516	2	NUT,HEX,NYLOCK,3/8-24 UNF,ZN
10	0300-459	1	BELT,SEAT

REF. NO.	PART NUMBER	QTY	DESCRIPTION

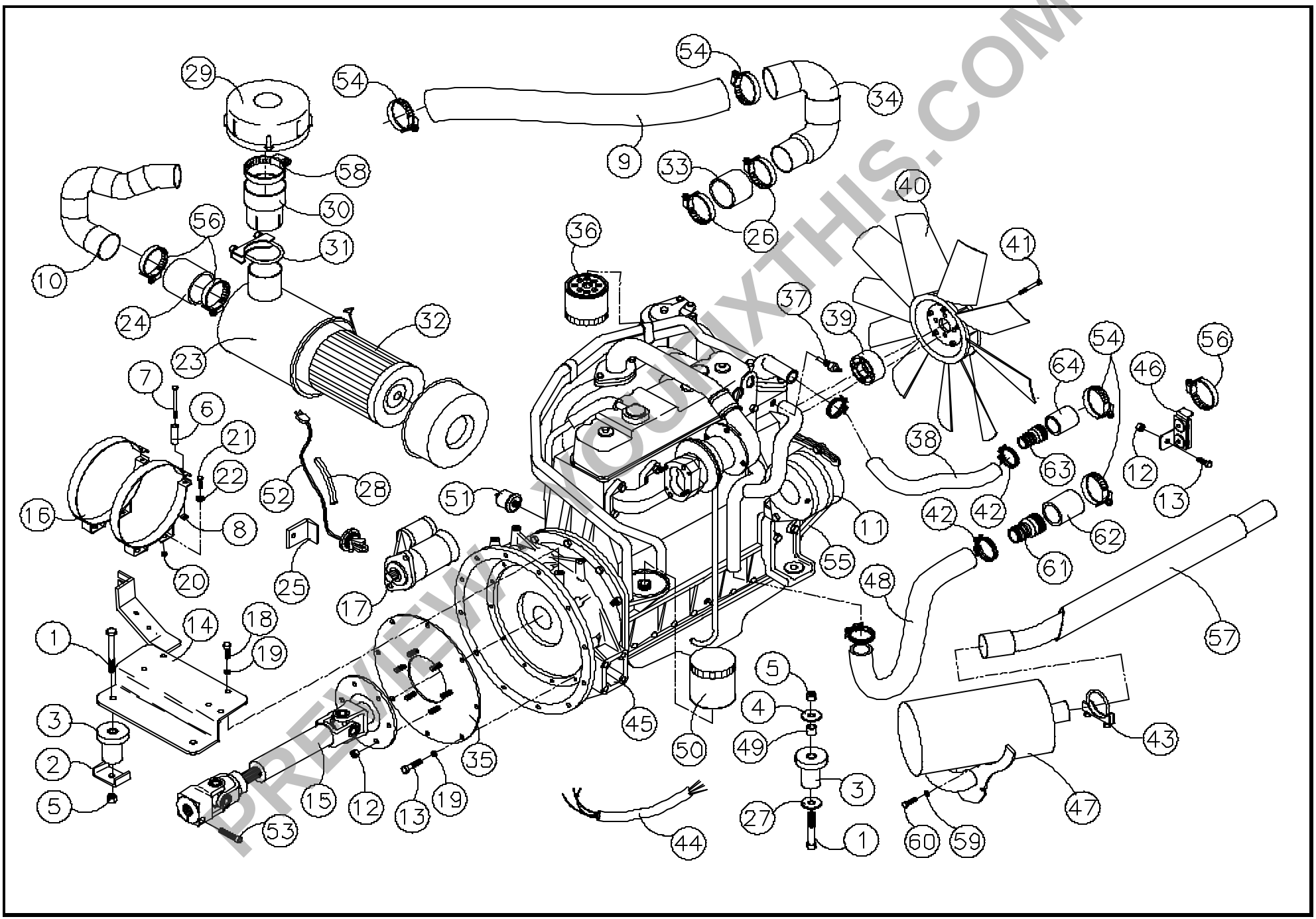
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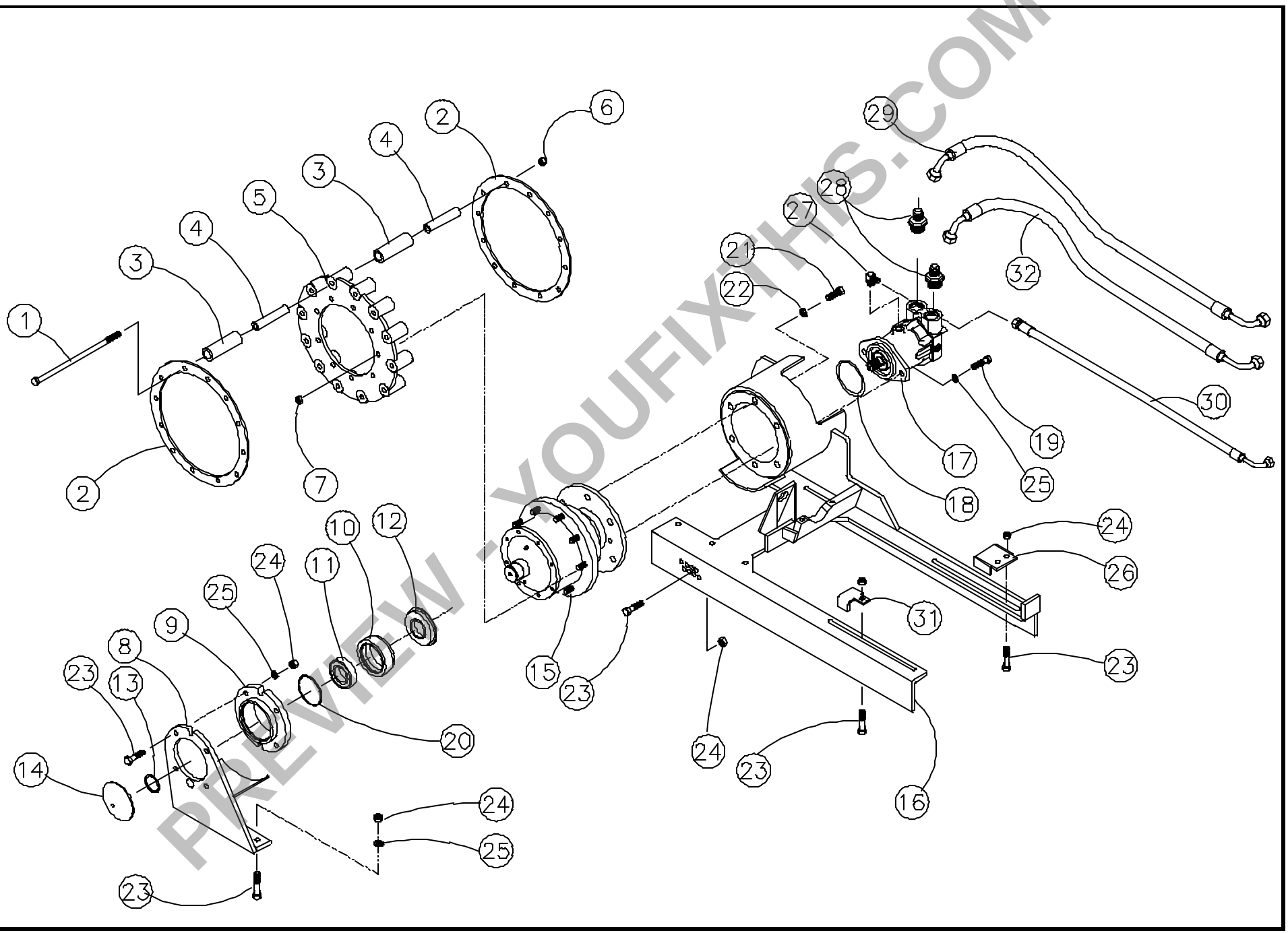
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GENERAL SAFETY

NEVER start vehicle without sitting in the seat with the seat belt fastened.

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

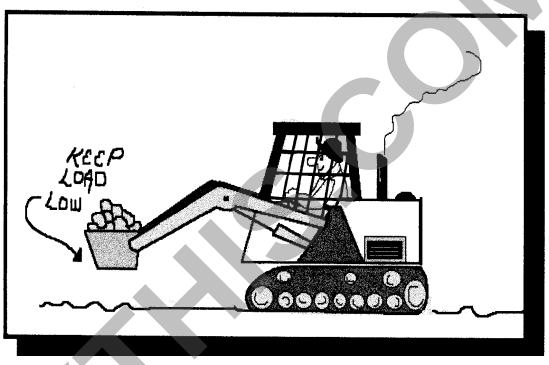
ALWAYS drive with the loader in the lowest possible position. Traveling with the loader raised causes the center of gravity (CG) to be raised, which increases the possibility of roll over in any direction.

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.

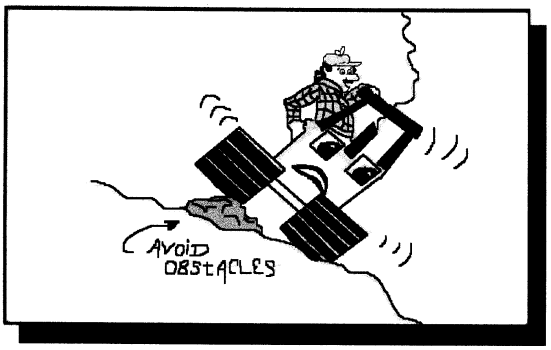
NEVER use the POSI-TRACK to transport personnel. Never let anyone ride on the vehicle or in the bucket.

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 in motion.







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