910-911

MUSTANG SKID STEER LOADER

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OPERATOR'S MANUAL

Part # 000-14923
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Mustang 910 and 911 Skid Steer Loader Operator Manual

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Models: 910 and 911

Machine: Skid Steer Loader

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Sample pages follow. Full manual: machinecatalogic.com

MUSTANG SKID-STEER LOADER
50 HOUR CHECK LIST

This check will require approximately 3 hours labor.

GENERAL AND VISUAL

YES	NO	
☐	☐	Do lift arm stops work properly?
☐	☐	Are brakes adjusted and functioning properly?
☐	☐	Are the neutral start interlocks working and adjusted correctly?
☐	☐	Is there any damage to the ROPS?
☐	☐	Are all parts of the ROPS installed and fastened securely?

DO NOT RUN MACHINE WITHOUT OPERATOR IN SEAT AND SEAT BELT FASTENED. MAKE SURE EVERYONE IS CLEAR OF MACHINE!

ENGINE

☐	☐	Is high and low RPM set properly?
☐	☐	Do choke, throttle, governor, and other controls function properly?
☐	☐	Are all belts aligned, and adjusted correctly? (alternator, governor, etc.)
☐	☐	Are all connections to the air cleaner tightened and installed properly?
☐	☐	Is the air cleaner element in good condition and installed correctly?

ELECTRICAL

☐	☐	Are all warning lights and gauges operating properly?
☐	☐	Does the hour meter function properly?
☐	☐	Do operating lights work properly?
☐	☐	Is battery in good condition and connections tight?
☐	☐	Is wiring harness routed correctly and are all connections secure?

FLUID LEVELS

☐	☐	Is coolant at proper level?
☐	☐	Is hydraulic oil at correct level? (chain case separate)
☐	☐	Are there any leaks on this Mustang?
☐	☐	Are all grease zerks installed and lubricated?
☐	☐	Have hydraulic and hydrostatic oil filters been changed?
☐	☐	Is chain case oil at correct level?

OPERATE MUSTANG ONLY FROM OPERATOR'S SEAT WITH SEAT BELT FASTENED AND ALL GUARDS IN PLACE.

OPERATIONAL AND DRIVE SYSTEM

☐	☐	Are foot pedal linkages properly set for lift, tilt and auxiliary?
☐	☐	Is the hydrostatic control linkage adjusted properly and working freely?
☐	☐	Do all hydraulic functions work smoothly, does machine drive smoothly at full RPM?
☐	☐	Do lift arm and Fast-A-Tach cycle without interference?
☐	☐	Are all drive chains adjusted properly?
☐	☐	Has machine been inspected for loose or missing bolts?
☐	☐	Is seat belt foot pedal lock functioning properly?
☐	☐	Has engine oil and filter been changed?
☐	☐	Are wheel bolts torqued properly?
☐	☐	Are tire pressures correct?
☐	☐	Are the built in safety guards under safety recommendations in the Operator's Manual all in their places?
☐	☐	Have there been any alterations to the safety guards?
☐	☐	Are all decals in good condition and at their proper location?
☐	☐	All above procedures were done with owner, operator or maintenance personnel present to insure proper procedures.

Model No. _____ **Serial No.** _____

Engine type & model _____ **Engine Serial No.** _____

Dealer Name _____ **Address** _____

City _____ **State** _____

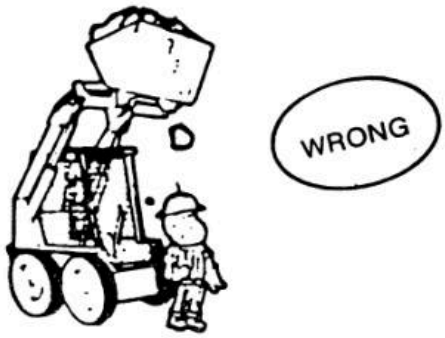
DATE MACHINE WAS INSPECTED _____

DEALER SIGNATURE _____ **OWNER SIGNATURE** _____

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SAFETY RECOMMENDATIONS

WATCH OUT FOR OTHERS - Always be aware of what is going on around your area. Be alert. Watch out for others who may cause you trouble by their carelessness. Never permit riders on your equipment. Your loader is a one-man machine. Never permit an unqualified person to operate your loader. Never raise the bucket or other attachments over or hold it above someone working below. YOUR ALERTNESS CAN PREVENT INJURY TO YOU AND OTHERS.



WORK SAFELY - Whenever possible, work from a flat, level surface. Avoid steep hills, slopes, ramps and grades. Be especially careful when working on hillsides, sloping driveways or spillways. Carry the load low and travel slowly over rough terrain. Back out of ditches to avoid up-sets, avoid sharp turns or climbing steep slopes with raised load. Never travel with a load obstructing your vision. LOOK OUT - LOOK UP - LOOK DOWN - LOOK WHERE YOU ARE GOING - LIVE FOR THE NEXT JOB.



WATCH OUT FOR TRAFFIC - When moving your equipment from one work site area to another, make sure your equipment is in appropriate transport conditions. Make sure all required safety chains, tiedowns, blocks and stays are in place and secure. Never travel faster than is appropriate for operating conditions. Avoid injuries to you and others. KEEP YOUR EQUIPMENT UNDER CONTROL AT ALL TIMES.

WATCH OUT FOR OBSTACLES - Adjust your speed to the conditions of the terrain. Watch out for rocks and stumps. Avoid crossing exposed railroad tracks, ditches, ridges or curbs. If the crossing cannot be avoided, reduce speed and cross at an angle. Avoid soft edges, deep holes and steep grades. Reduce speed when operating in smoke, dust or fog. IF YOU CAN'T SEE WHERE YOU ARE GOING - STOP!

TRANSPORTING PROCEDURES - If it is necessary to transport loader over public roads or streets, be sure all local and state regulations covering transport of your equipment are followed. **Do not tow this equipment.** MOVE CAREFULLY - MOVE SAFELY.

SAFE PARKING - Always park your machine on a level and non-operating or designated parking area. If parking on a slope is necessary, position the machine at right angles to the slope and block the wheels. Always set the parking brake. Always lower the bucket or blade to the ground and shut off engine and remove the key before leaving the operator's seat. NEVER LEAVE A LOADER UNATTENDED WITH THE ENGINE RUNNING OR LEAVE THE SITE WITHOUT THE IGNITION KEY.

SAFE DISMOUNTING - Always bring your loader to a complete stop before dismounting. Shut off the engine. Check for slippery conditions on steps or ground. NEVER JUMP OFF THE MACHINE - A SLIP CAN CAUSE A BROKEN HIP.

CHECKING TIRES-ADDING AIR - Check your tires and wheels at least once a day for correct pressure, cuts or bulges, uneven or excessive wear and missing valve caps. Add air carefully. YOU ARE RIDING ON THEM - YOU KEEP THEM SAFE.

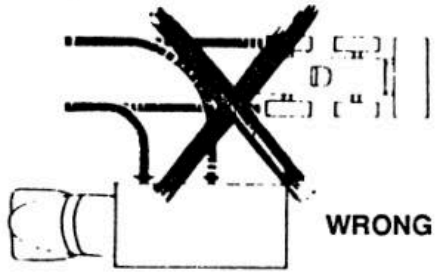
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OPERATION

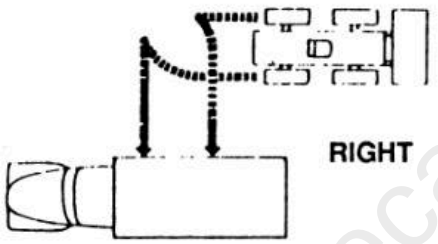
TRANSPORTING WITH A LOADED BUCKET

1. The nearer to the ground the bucket is held the better the stability, especially on slopes or when turning the machine. For travel, keep the bucket at its lowest possible position and tipped back to afford maximum visibility.

CAUTION! Never transport a load with the bucket fully raised.



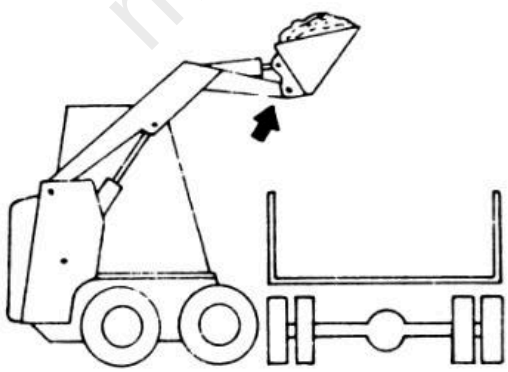
WRONG



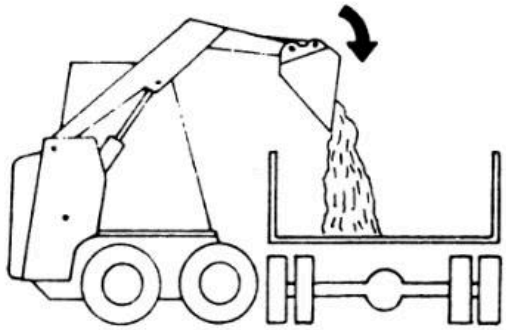
RIGHT

2. When loading into a truck, keep positioned so that a minimum of movement is necessary. Utilizing the skid-steering capability as shown above, can cut down on loading time. Use a "pivot-spin" rather than a "stop-and-go" turn.

DUMPING BUCKET



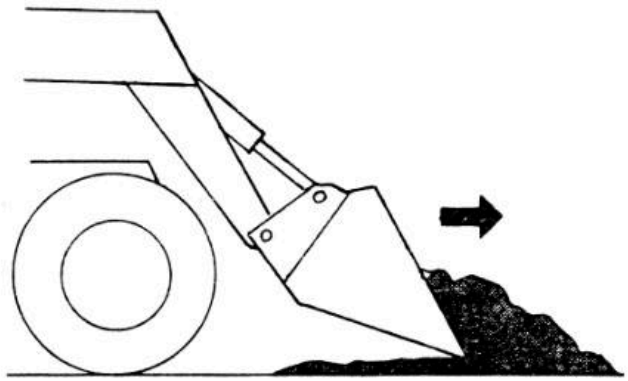
1. Raise the lift arm when moving toward the vehicle being loaded. Move slowly if the bucket is raised to dump. While raising the lift arm, correct tilt of bucket to avoid spilling material into operator's area.



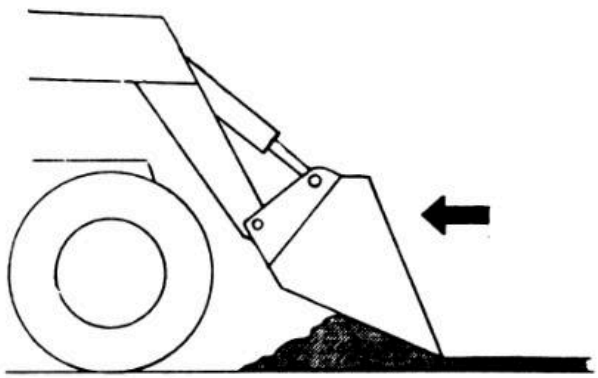
2. Gradually empty bucket at minimum height before stopping. By emptying before stopping, machine stability can be maintained. To shake loose material stuck in bottom of bucket, tilt valve may be "fluttered" back and forth.

3. Raise empty bucket and back away from vehicle, gradually lowering lift arm.

LEVELING / BACK GRADING



1. Spread dirt by driving forward with bucket tilted down and raised off the ground.



2. To level, raise lift arm and tilt bucket down. Place lift arm control pedal in "float" position to allow bucket to follow ground contour. Drive machine backward, spreading material evenly.

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OPERATION

TO CONNECT OR DISCONNECT:

1. Engine must be off, and parking brake locked.
2. Move auxiliary lever back and forth to release all the pressure from the lines.
3. Connect or disconnect couplers.

   NOTE: The auxiliary hydraulic lever is not connected to seat belt safety device.

Selection of Attachments:

Note the rated capacity of the machine attachments: Be sure proper capacity bucket is being used with your machine. See your dealer or Parts Manual for correct bucket or attachment.

This is the amount of material that can be safely handled by this machine with the standard Earth and Foundry bucket.

WARNING! Overloading the machine may cause the machine to tip over, and may damage machine or cause injury!

BUCKETS AND OTHER "FAST-A-TACH" ATTACHMENTS

A variety of attachments are available for your loader through *MUSTANG* to protect your machine and for your personal safety, it is important to use only *MUSTANG* approved attachments and be sure they are sized for the jobs to be done. Your *MUSTANG* dealer has a complete list of available attachments.

BUCKETS: Buckets are chosen by the weight of material as well as the width of the machine.

Ordinarily, the bucket should be at least as wide as the outside of the tires, especially when digging. Otherwise, loose materials will get in the path of the tires, affecting your operating efficiency.

The bucket's heaped capacity is selected by weight of material being handled and rated lift capacity of the machine.

Rated lift capacity must be greater than or equal to (Material density) x (Heaped capacity of bucket).

WEIGHTS OF MATERIALS

Material	Weight Lbs./Cu. Ft.	Weight Lbs./Cu. Yd.
Ashes	40	1080
Basalt, Broken	122	3300
Solid	188	5076
Cement, Portland	100	2700
Cinders	30	810
Clay, Dry Lumps	67	1822
Wet Lumps	100	2700
Coal		
Anthracite, Broken	69	1857
Bituminous, Broken	52	1413
Earth, Dry, Loose	70	1890
Earth, Dry, Rammed	90	2430
Earth, Dry, Shaken	82	2214
Earth, Damp, Loose	78	2106
Earth, Damp, Packed	96	2592
Earth and Gravel, Dry, Loose	100	2700
Earth and Gravel, Dry, Rammed	120	3240
Earth and Gravel, Wet	120	3240
Earth and Sand, Dry, Loose	100	2700
Earth and Sand, Dry, Rammed	120	3240
Earth and Sand, Wet	120	3240
Granite, Crushed	103	2778
Gravel		
Loose	100	2700
Gravel and Sand	111	3000
Gravel, Sand and Clay, Stabilized		
Loose	100	2700
Compacted	150	4050
Gypsum, Crushed	100	2700
Ice, Solid	57	1550
Limestone, Crushed	97	2625
Mud, Fluid	118	2916
Packed	110	3200
Phosphate Rock, Broken	110	2970
Rip-Rap, Limestone	80	2160
Rip-Rap, Sandstone	90	2430
Shale, Broken	90	2430
Slag, Broken	110	2970
Stone, Crushed	100	2700
Trap Rock, Broken	109	2950

BUCKETS

Width-Type	SAE Heaped Capacity
56" Earth	10 cu. ft. (.28 M³)
61" Earth	10.5 cu. ft. (.30 M³)
56" Fertilizer	13 cu. ft. (.36 M³)
56" Utility	12 cu. ft. (.34 M³)
41¼" Cement	9.6 cu. ft. (.27 M³)
67" Light Material	20 cu. ft. (.56 M³)
73" Light Material	24 cu. ft. (.68 M³)

ELECTRICAL SYSTEM

PRECAUTIONS FOR ELECTRICAL SYSTEM

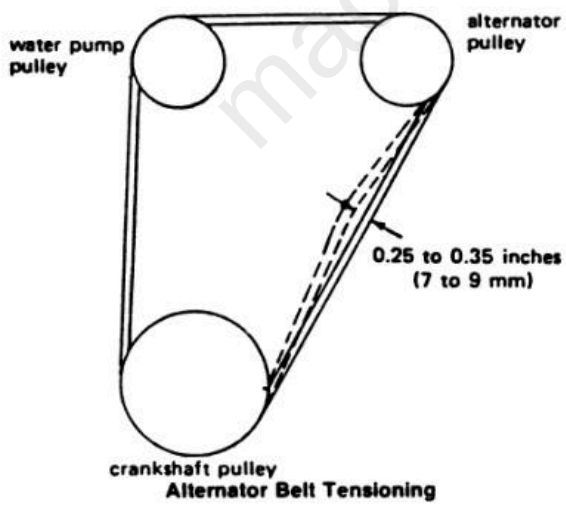
When the battery is connected, observe the precautions listed here. Failure to observe them will probably result in damage to the system.

1. **Disconnect the negative ground cable when working on the electrical system.**
2. **Never attempt to polarize the alternator or regulator.**
3. **If either the alternator or regulator wiring is disconnected, be sure that it is properly connected BEFORE the battery is connected.**
4. **Always connect battery or a booster battery in the correct polarity. This is a negative grounded electrical system. Do not use a battery charger as a booster to start the engine.**
5. **Never disconnect the battery when the engine is running and the alternator is charging.**

ADJUSTING ALTERNATOR BELT TENSION

With the alternator bracket and adjusting cap screw loose, force the alternator away from the engine until the belt has .25" - .35" flex at 20 lbs. force on one side of the belt between the alternator pulley and crankshaft pulley.

IMPORTANT: Do not pry on the rear half of the alternator housing as this may misalign the alternator.



Alternator Belt Tensioning

Inspect belts periodically. Replace worn, damaged belts.

Battery:

Your loader is equipped with a 12 volt, maintenance free battery. It should not be necessary to add water or to check on electrolyte level for the lifetime of the battery.

Battery Precautions:

Disconnect negative ground cable before working on any part of the electrical system or engine.

Battery Care:

Keep battery top and terminals clean. If any corrosion is present around terminals, remove it and wash the terminals with a baking soda solution. Then flush outside of battery with clear water.

Keep battery fully charged in cold weather. Batteries with less than a full charge have a greater tendency to freeze than one on which a full charge is maintained.

Connecting Booster Batteries:

The first jumper cable should connect the positive (+) terminal of the booster battery to the positive (+) terminal of the loader battery. The second jumper cable should be first connected to the negative (-) terminal of the booster battery and then to some point on the engine block. It is important that the last connection be made away from the loader battery to avoid fire and explosion hazard caused by sparks.

ONAN GAS ONLY

Alternator

The gas engine has a flywheel-type alternator which requires no service.

Spark Plug Gap .025 (.64m)

Ignition Timing BTC 20°

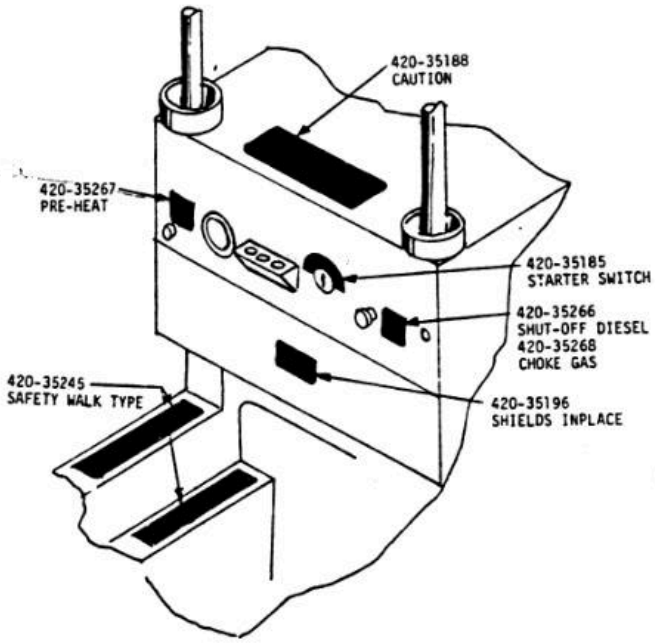
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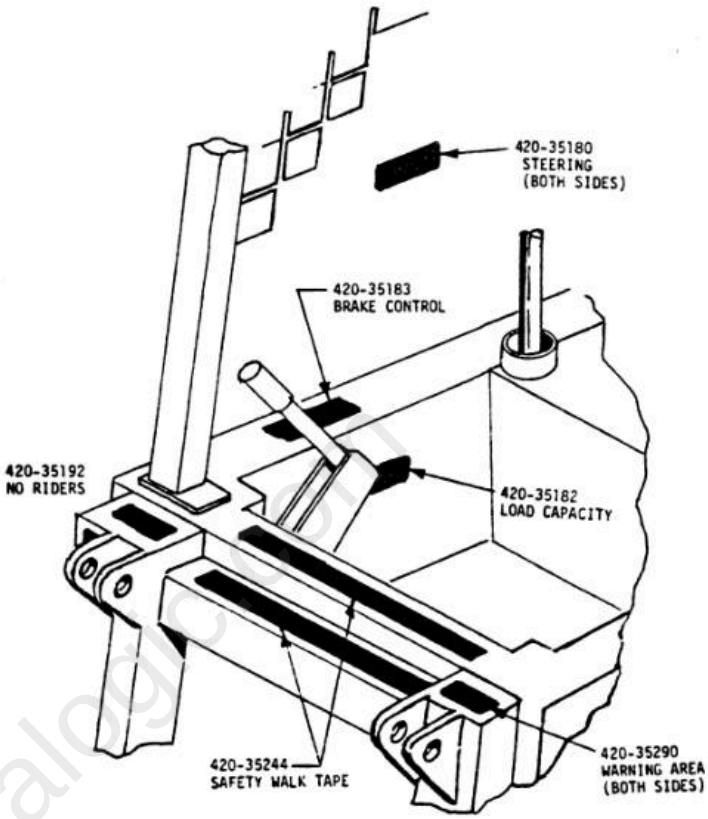
TROUBLE SHOOTING
Control Levers

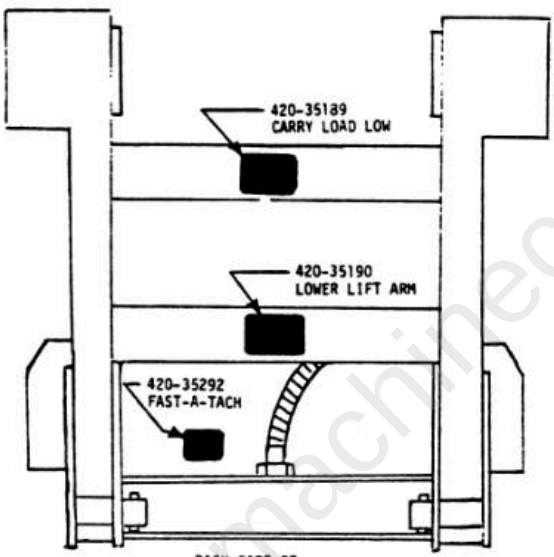
PROBLEM	POSSIBLE CAUSE	REMEDY
Control levers will not center.	Linkage out of adjustment.	Adjust, check for wear at rod ends, loose counter nuts.
	Linkage disconnected.	Reconnect, check for wear at rod ends, loose counter nuts.
	Centering spring broken.	Replace.
	Linkage binding.	Binding of spring or washer in neutral center housing.
		Control levers binding with safety shields or sound insulation. Adjust.
		Control lever bearings binding in lever assembly. Inspect, replace or clean as required.
Machine operates erratically.	Control lever linkage loose.	Inspect linkage for wear at rod ends, loose counter nuts.
	Bolt in pintle lever worn or broken.	Replace bolt. Inspect pintle lever for wear at bolt hole. Ensure bolt clamping lever to pump shaft is tight.
		See also trouble shooting hydrostatic system.
Machine loses power while turning.		See also trouble shooting hydrostatic system.
Machine will not travel in a straight line.	Linkage binding.	Adjust.
	Control lever travel out of adjustment.	Adjust.
	Internal pump and/or motor leakage.	See trouble shooting hydrostatic system.
Control levers do not operate smoothly.	Control lever linkages out of adjustment.	Adjust control lever linkages.
	Control lever linkages need lubrication.	Lubricate with a silicon based lubricant.

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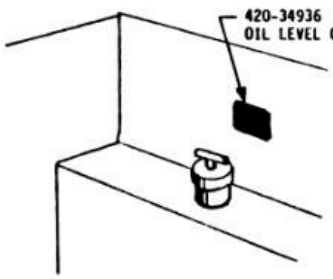
DECAL LOCATIONS

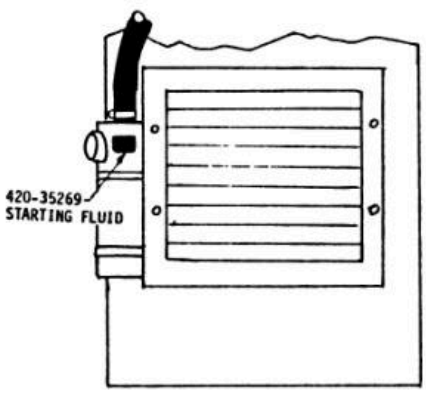


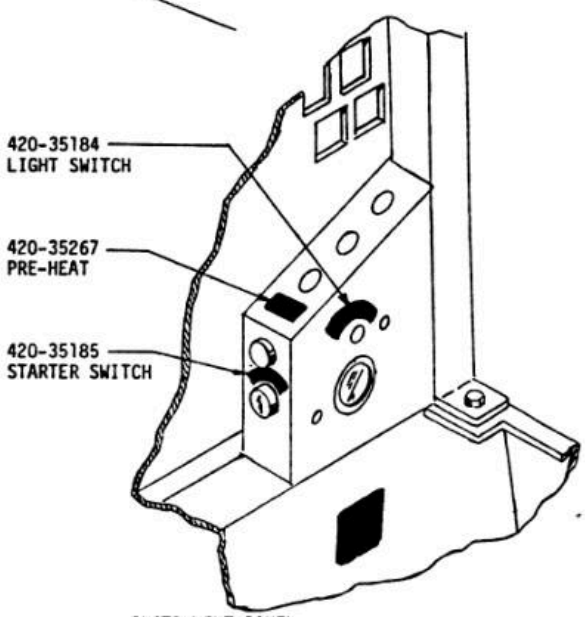




BACK SIDE OF
LIFT ARM & F-A-T







INSTRUMENT PANEL
910 STARTING SERIAL NO. SA920170
911 STARTING SERIAL NO. SB920152

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Full Version Available

Mustang 910 and 911 Skid Steer Loader Operator Manual

Mustang 910 and 911 skid steer loader operator manual, pub. 000-14923: controls, daily checks, lubrication, troubleshooting, specs. Instant PDF download.

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