MUSTANG

2060
2070
MUSTANG SKID STEER LOADER

Operator's Handbook 001-27972

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MUSTANG
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Mustang 2060 and 2070 Skid Steer Loader Operator Manual

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Sample pages follow. Full manual: machinecatalogic.com

FIRE PREVENTION

The Mustang Skid Steer Loader has several components that are at high temperature under normal operating conditions. The primary source of temperatures is the engine and exhaust system. The electrical system, if damaged or incorrectly maintained, can be a source of arcs or sparks.

Flammable debris (leaves, straw, etc.) must be removed regularly. If flammable debris is allowed to accumulate, it will increase the fire hazard. The Mustang Loader must be cleaned as often as necessary to avoid this accumulation. Flammable debris in the engine compartment is a fire hazard when the loader is parked with a hot engine.

The spark arrestor muffler is designed to control the emission of hot particles from the engine and exhaust system, but the muffler and the exhaust gases are still hot.

- Know where fire extinguishers and first aid kits are located and how to use them.

- Do not use the Mustang Loader where exhaust, arcs, sparks or hot components can contact flammable material, explosive dust, or gases.

- The engine compartment and engine cooling system must be inspected every day and cleaned if necessary to prevent fire hazard and overheating.

- Check all electrical wiring and connections for damage. Keep the battery terminals clean and tight. Repair or replace any damaged part.

- Check fuel and hydraulic tubes, hoses, and fittings for damage and leakage. Never use open flame or bare skin to check for leaks.

- Tighten or replace any parts that show leakage. Always clean fluid spills. Do not use gasoline or diesel fuel for cleaning parts. Use commercial nonflammable solvents.
- Do not use ether or starting fluids on the engine. These starting aids can cause explosion and injure you or bystanders.

- Always clean the Mustang Loader and disconnect the battery before doing any welding. Cover rubber hoses, battery and all other flammable parts. Keep a fire extinguisher near the loader when welding. Have good ventilation when grinding or welding painted parts. Wear dust mask when grinding painted parts. Toxic dust or gas can be produced.

- Stop the engine and let it cool before adding fuel. No smoking!

- Use the procedure in the Operating Instructions (page 27) for connecting battery jumper cables.

- Use the procedure in the Maintenance Section (page 44) for cleaning the spark arrestor muffler.

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INSTRUMENT PANEL

The following items are located on the instrument panel based on options installed **[A].**

1. **Ignition Switch [B]:** This switch has four positions.
   1. Start: This will crank engine.
      NOTE: Steering controls must be in neutral to start engine.
   2. On: This is the normal running position.
   3. Off: This is the normal position with the engine off. Remove the key when the machine is not in use.
   4. Accessory: If the engine is not running, the key may be turned to the accessory position to use the lights.

2. **Warning Light Cluster [C]:** Warning lights will come on and a buzzer will sound during operation if (1) Engine oil pressure is low (2) Engine coolant is overheating (3) Electrical system is not charging (4) Hydraulic system is too hot. Stop the engine and investigate the problem.

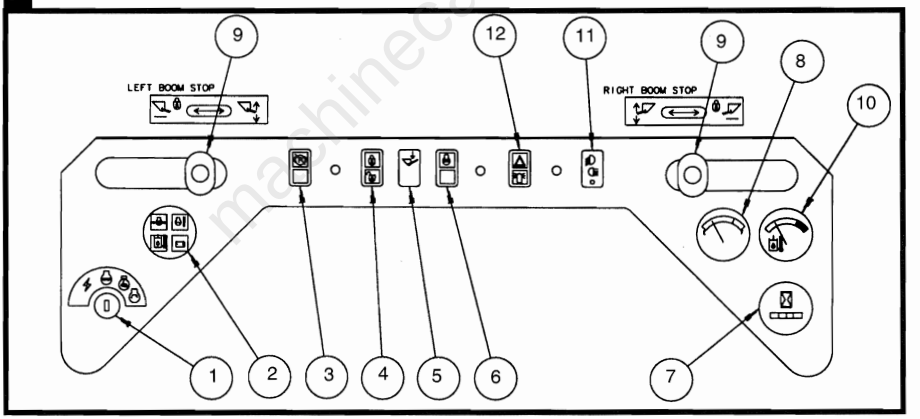
3. **Parking Brake Switch:** This switch is used to lock parking brakes to hold machine in place or release brakes for driving. DO NOT lock the brakes while the machine is in motion.

4. **Mode Switch:** The Mustang Loader is normally operated with the mode switch in the green (up) position. For backhoe operation, or in any situation where the auxiliary hydraulics must be operated with the operator out of the cab, the mode switch must be in the red (down) position. This will disengage the auxiliary hydraulics lock, and allow operation of externally controlled hydraulic attachments. DO NOT change the mode switch position while the machine is in motion.

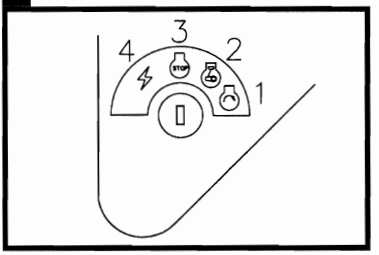
5. **Lift Arm By-Pass Switch:** This switch is used to lower the lift arm if the engine stalls and the lift arm is up. With the operator in the seat with the seat belt fastened, set the mode switch to the green (up) position, and turn on the key switch. Press and hold lift arm bypass switch, and push the toe of left (lift) pedal (foot pedal loader controls) or pivot the left hand lever down toward the seat (hand lever loader controls). The lift arm will lower. The system will lock again when both the bypass switch and the foot pedal or hand lever are returned to neutral position.

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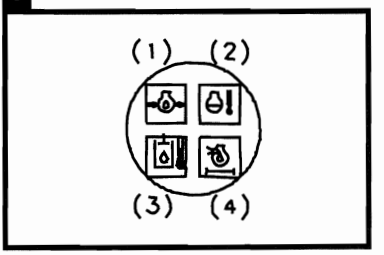
A



B



C



⚠ WARNING

When operating the machine:
- **Keep the seat belt fastened snugly.**
- **Keep your feet on the pedals. Failure to obey warning can cause injury or death.**

IMPORTANT

On Model 2070, idle engine for at least 1 minute at initial startup and 3 minutes prior to shut down to avoid turbo charger damage.

Normal Starting Condition

Adjust the seat position for comfortable operation of the foot pedals and steering levers.

Fasten the seat belt snugly and adjust it so the belt fits snugly on the hips.

Put the hydraulic controls and steering levers in neutral (center) position **[A].**

Set the engine speed control to half speed position **[B].**

Turn the key to the "ON" position. The engine and transmission warning light will be "ON" when the key is on and the engine is stopped **[C].**

⚠ WARNING

When an engine is running in an enclosed area, fresh air must be added to avoid concentration of exhaust fumes. Exhaust fumes contain odorless, invisible gases which can kill without warning.

AVOID INJURY OR DEATH

- **Engines have hot parts and hot exhaust gas. Keep flammable material away.**
- **Do not use machines in atmosphere containing explosive gas.**

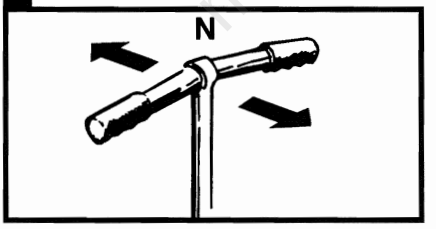
Turn the key to start position **[D]** and release it when the engine starts.

STOP THE ENGINE IF THE WARNING LIGHTS DO NOT GO OFF.

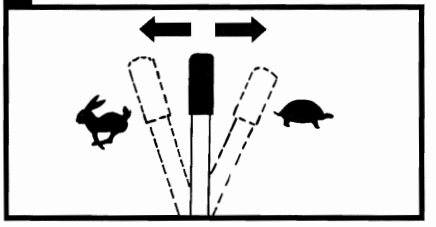
IMPORTANT

Do not engage the starter for longer than 15 seconds at a time. Longer use can damage the starter by overheating. Cool the starter for 20 seconds between uses.

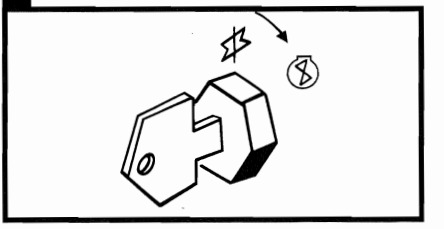
A



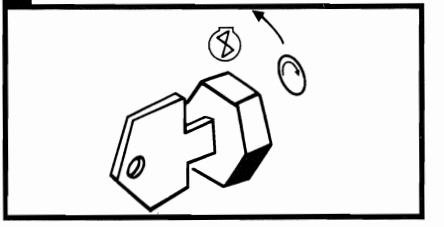
B



C



D



Leveling the Ground

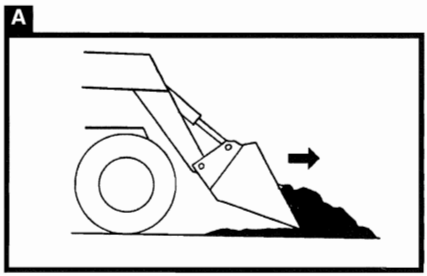
(Using the Lift Arms in "Float" Position)

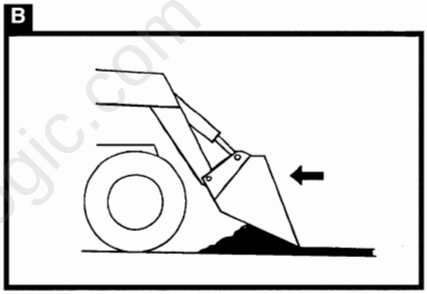
Spread material by driving forward with bucket tilted down and raised off the ground **[A].**

To level, raise the lift arm and tilt the bucket so the cutting edge contacts the ground **[B].** Place the lift arm in the "float" position. Drive backwards to level loose material.

When the bucket is tilted further forward, more force is exerted on the bucket cutting edge and more loose material can be moved.

To release the "float" position, tilt the bucket to a flat position and center the lift control.





PARKING THE MUSTANG LOADER

Stop the Mustang Loader on level ground.

Lower the lift arm fully and put the cutting edge of the bucket on the ground.

Pull the engine speed control all the way to the back.

Parking brake engages when key is turned to off position.

Stop engine.

Cycle hydraulic controls to ensure they are in a locked position.

Unbuckle seat belt. Remove key from switch to prevent operation of the Mustang Loader by unauthorized personnel.

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HYDRAULIC/HYDROSTATIC SYSTEM

Use only ISO #46 anti-wear hydraulic oil in the hydraulic system for general operating conditions in temperatures between 0°F (-18°C) and 100°F (38°C). Refer to the Specifications section (pages 54-57) for further information.

Checking and Adding Fluid

1. Park the machine on a level surface. Open the rear door. Lift up engine cover.
2. The 2060 after SN SE97H001591 and 2070 Mustang is equipped with a dipstick to check the hydraulic fluid reservoir. It is located in the reservoir filler neck, under the cap. High Flow

⚠ WARNING

Allow engine to cool. Do not remove reservoir cap when engine is hot. Serious burns may occur.

models use a sight gauge on the inside of the right upright in the engine compartment.

3. Check fluid level with lift arm fully lowered and with attachment sitting on the ground.
4. The dipstick must be pushed down into the filler tube until it stops to read proper oil level.
5. The oil level should be in the cross hatched area of the dipstick. Do Not Overfill.
6. When fluid is required, allow the system to cool. Remove the oil cap slowly, allowing pressure to dissipate before removing completely.
7. Add hydraulic fluid as required.
8. Replace cap.

Hydraulic/Hydrostatic Charge and Return Filter Replacement

See the Maintenance Chart (page 50) for the correct service intervals.

Charge and Return Filter Replacement

1. Lower the lift arm completely.
2. Remove the left hand side intake screen to access the return filter (Item 1) **[D]**.
3. Open the rear door to access the charge filter (Item 2) **[D]**.
4. Use a filter wrench to remove oil filter elements.
5. Clean the surfaces of the filter housing where the element seal contacts the housing. Put clean oil on the rubber gaskets of the filter element.
6. Install and tighten each filter element 3/4 of a turn past the point where the gasket contacts the filter head.
7. Reinstall side intake screen.

Hydraulic Fluid Replacement

The hydraulic fluid must be replaced if it becomes contaminated, after major repairs, and after every 1000 hours or 1 year.

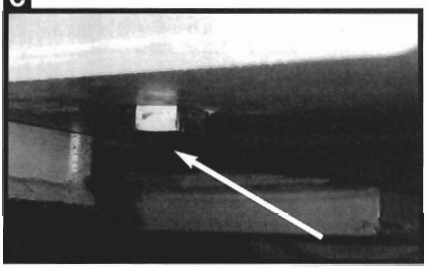
1. Remove the oil filler cap.
2. Install a catch pan of sufficient capacity under the oil reservoir.
3. Remove the reservoir drain plug located on the bottom left portion of the oil reservoir **[C]**.

⚠ WARNING

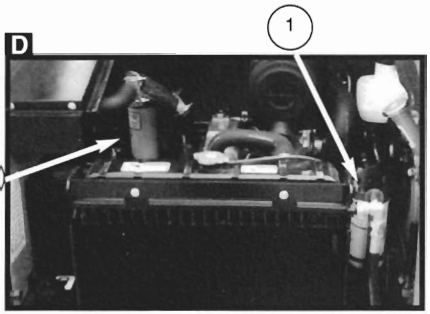
Always clean up spilled fuel or oil. Keep heat, flames, sparks, and lighted tobacco away from fuel and oil. Failure to exercise care around combustibles can cause a fire or explosion which can result in injury or death.

4. Remove and replace the charge and return filters (Items 1 & 2) **[D]**.
5. When all the fluid is removed from the reservoir, reinstall the reservoir drain plug.
6. Add the correct fluid to the reservoir until the fluid is between the marks within the Safe Area Cold.
7. Start the engine and operate the Mustang Loader hydraulic controls.
8. Stop the engine.
9. Check for leaks at filters and reservoir plug.
10. Check the fluid level in the reservoir and add as needed.

C



D



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NOTES

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