



OPERATORS & SAFETY

Models 60H 70H

3120629

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1-6. OPERATION.

READ YOUR MANUAL. UNDERSTAND WHAT YOU'VE READ - THEN BEGIN OPERATIONS.

DO NOT OPERATE ANY MACHINE ON WHICH DANGER, WARNING, CAUTION OR INSTRUCTION PLACARDS OR DECALS ARE MISSING OR ILLEGIBLE.

MACHINE MUST ALWAYS BE SHUT DOWN WHEN REFUELING. 'NO SMOKING' IS MANDATORY. NEVER REFUEL DURING AN ELECTRICAL STORM. ENSURE THAT FUEL CAP IS CLOSED AND SECURE AT ALL OTHER TIMES.

PRIOR TO ENTERING AND EXITING PLATFORM AT GROUND LEVEL, FULLY LOWER BOOM. EXTEND BOOM UNTIL END OF FLY BOOM CONTACTS GROUND. WITH BOOM LIFT IN THIS CONFIGURATION, ENTER AND/OR EXIT PLATFORM THROUGH GATE OPENING.

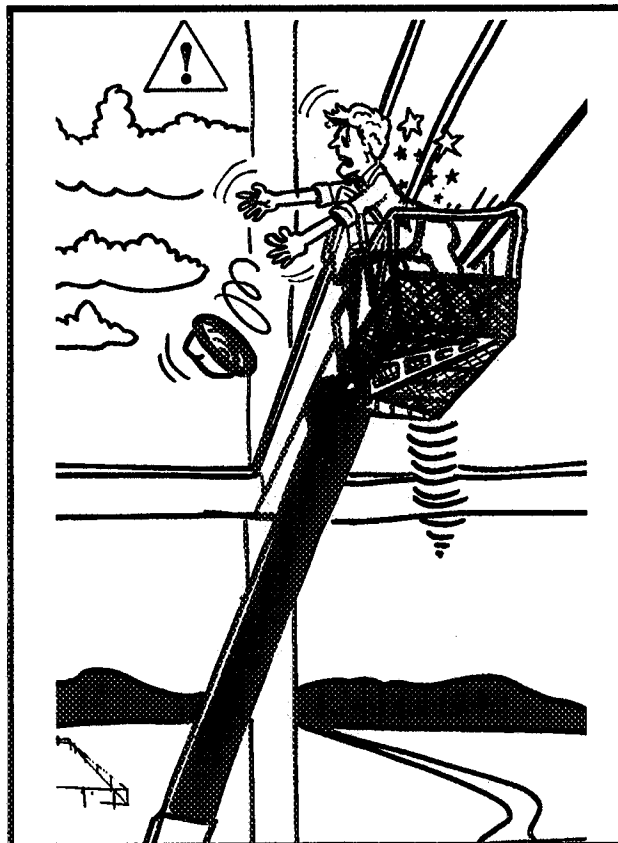
OSHA REQUIRES ALL PERSONS IN THE PLATFORM TO WEAR SAFETY BELTS OR OTHER APPROVED FALL PROTECTION DEVICES. SECURE BELT LANYARD TO PROPER ATTACH BAR ON PLATFORM. KEEP GATE CLOSED AT ALL TIMES.

DURING ENTRY OR EXIT ABOVE GROUND, OSHA REQUIRES THAT OPERATORS SAFETY BELT OR APPROVED FALL PROTECTION DEVICE WITH LANYARD BE ATTACHED TO THE STRUCTURE BEING ENTERED. OTHERWISE, DO NOT STEP OUTSIDE OF PLATFORM.

TO AVOID FALLING - USE EXTREME CAUTION WHEN ENTERING OR LEAVING PLATFORM ABOVE GROUND. ENTER OR EXIT THRU GATE ONLY. PLATFORM MUST BE WITHIN 1 FOOT (30 CM) OF ADJACENT - SAFE AND SECURE - STRUCTURE. ALLOW FOR PLATFORM VERTICAL MOVEMENT AS WEIGHT IS TRANSFERRED TO OR FROM PLATFORM.

IF PLATFORM OR BOOM IS CAUGHT SO THAT ONE OR MORE WHEELS ARE OFF THE FLOOR, ALL PERSONNEL MUST BE REMOVED FROM PLATFORM BEFORE ATTEMPTING TO FREE MACHINE. USE CRANES, FORKLIFT TRUCKS OR OTHER EQUIPMENT TO REMOVE PERSONNEL AND STABILIZE MACHINE MOTION, IF NECESSARY.

CHECK CLEARANCES ABOVE, ON SIDES AND BOTTOM OF PLATFORM WHEN RAISING, LOWERING, SWINGING, AND TELESCOPING BOOM.



THOROUGHLY CHECK ALL CLEARANCES BEFORE POSITIONING PLATFORM.

1. Platform Assembly - No loose or missing parts, no visible damage. Lockbolts in place. Footswitch in good working order, not modified, disabled or blocked.
2. Platform Control Console - Switches and levers return to neutral and properly secured, no loose or missing parts, no visible damage, placards secure and legible, control marking legible.
3. Rotator and motor - Properly secured, no visible damage, no evidence of leakage. **(If Equipped)**
4. Slave Leveling Cylinder - Properly secured, no visible damage or signs of leakage, evidence of proper lubrication.
5. Rotator and motor - Properly secured, no visible damage, no evidence of leakage. **(If Equipped on Extend-A-Reach)**
6. Slave Leveling Cylinder Extend-A-Reach - Properly secured, no visible damage or signs of leakage, evidence of proper lubrication. **(If Equipped)**
7. Extend-A-Reach Lift Cylinder - Properly secured, no visible damage or signs of leakage, evidence of proper lubrication. **(If Equipped)**
8. Extend-Reach Pivot - No loose, damaged or missing parts, evidence of lubrication. **(If Equipped)**
9. Hose and Cable Guards/Clamps - properly secured, no visible damage.
10. Power Track - No loose, damaged or missing parts. Hydraulic and electrical lines, no visible damage.
11. Drive Motor and Brake, Right Rear - No visible damage, no evidence of leakage.
12. Tie Rod and Steering Linkage, Right Rear - No loose or missing parts, no visible damage. Tie rod end studs locked. **(4 Wheel Steer)**
13. Spindle, Right Rear - No loose or missing parts, no visible damage, evidence of proper lubrication. **(4 Wheel Steer)**
14. Drive Hub, Right Rear - No visible damage, no evidence of leakage.
15. Wheel/Tire Assembly, Right Rear - Properly secured, no loose or missing lugnuts, no visible damage.
16. Turntable Bearing and Pinion - No loose or missing hardware, visible damage, evidence of proper lubrication. No evidence of loose bolts or looseness between bearing and structure.
17. Swing Motor - No visible damage, no evidence of leaks.
18. Fuel Supply - Fuel filler cap secure. Tank, no visible damage, no evidence of leaks.
19. Extend-A-Reach Control Valves (Tank Compartment) - No visible damage, no evidence of leakage, no unsupported wires or hoses, no damaged wires. **(If Equipped)**
20. Control Valves (Tank Compartment) — No visible damage, no evidence of leakage, no unsupported wires or hoses, no damaged wires.
21. Hydraulic Oil Supply - Recommended oil level in sight gauge. (Check with oil cold, systems shut down, machine in stowed position). Cap secure.
22. Cowling and Latches, Right Side - All cowling and latches in working condition, properly secured, no loose or missing parts.
23. Spindle and Wheel Bearing, Right Front - No loose or missing parts, no visible damage, evidence of proper lubrication.
24. Drive Hub, Right Front - No visible damage, no evidence of leakage. **(4 Wheel Steer)**
25. Wheel/Tire Assembly, Right Front - Properly secured, no loose or missing lugnuts, no visible damage.
26. Tie Rod and Steering Linkage, Right Front - No loose or missing parts, no visible damage. Tie rod end studs locked.
27. Oscillating Axle Cylinder, Right Front - Properly secured, no visible damage or signs of leakage, evidence of proper lubrication. **(If Equipped)**
28. Steer Cylinder Assembly - Properly secured, no visible damage or signs of leakage, evidence of proper lubrication.
29. Ground Controls - Switches operable, no visible damage, placards secure and legible.
30. Manual Descent - No visible damage, no evidence of leakage.
31. Oscillating Axle - Properly secured, no loose or missing parts, no evidence of damage, evidence of proper lubrication. **(If Equipped)**
32. Towing Package - No loose, damaged or missing parts, no visible damage. **(If Equipped)**
33. Master Cylinder - Properly secured, evidence of lubrication.
34. Lift Cylinder - Properly secured, evidence of lubrication.
35. Oscillating Axle Cylinder, Left Front - Properly secured, no visible damage or signs of leakage, evidence of proper lubrication. **(If Equipped)**
36. Tie Rod and Steering Linkage, Left Front - No loose or missing parts, no visible damage. Tie rod end studs locked.
37. Wheel/Tire Assembly, Left Front - Properly secured, no loose or missing lugnuts, no visible damage.
38. Spindle and Wheel Bearing, Left Front - No loose or missing parts, no visible damage, evidence of proper lubrication.
39. Drive Hub, Left Front - No visible damage, no evidence of leakage. **(4 Wheel Steer)**

Figure 2-1. Daily Walk-Around Inspection. (Sheet 2 of 3)

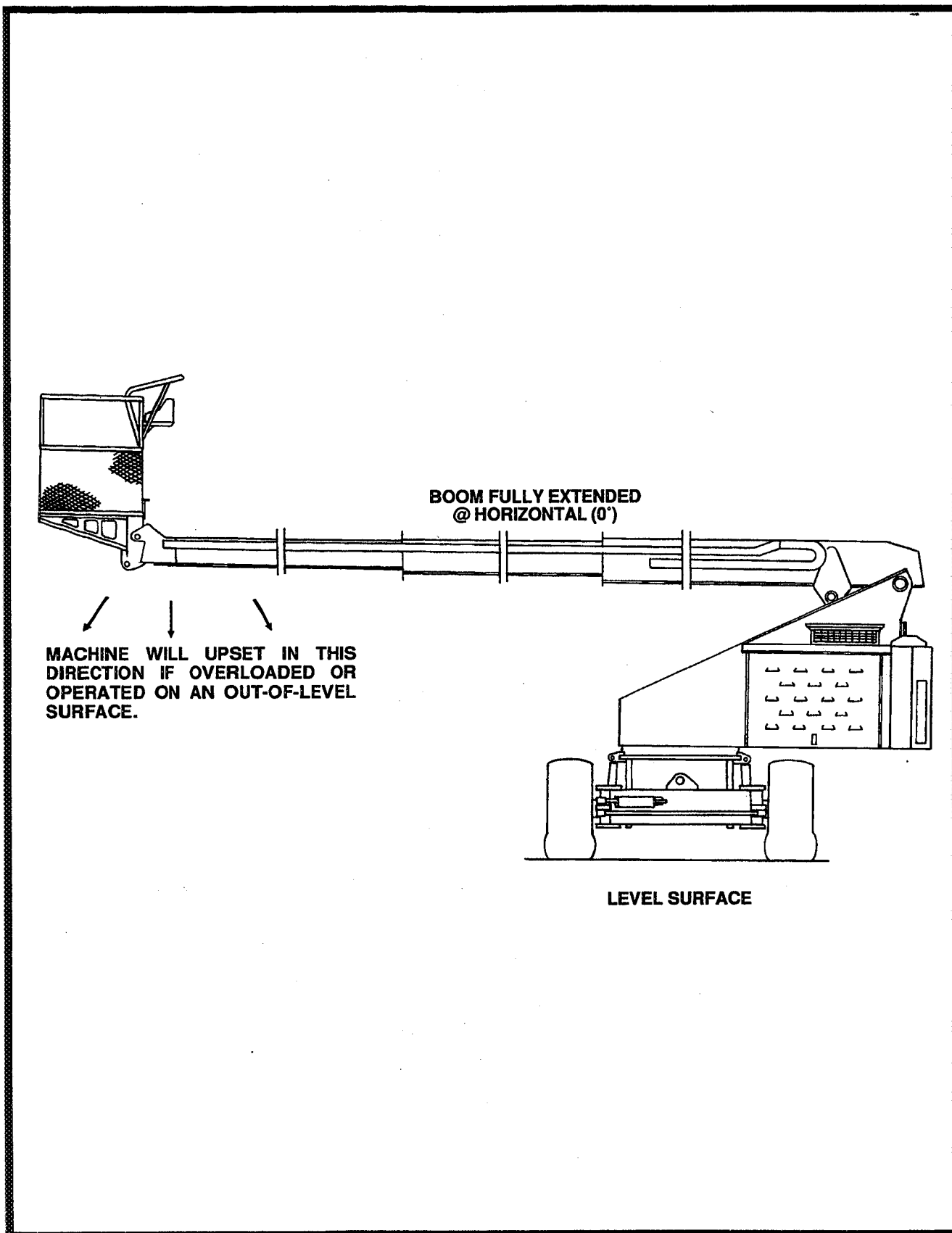


Figure 3-1. Position of Least Forward Stability. (60/70H Models)

(2). Ignition/Emergency Stop.

An ON-OFF IGNITION/EMERGENCY STOP switch and a separate START push button on the platform console supplies electrical power to the starter solenoid, when the ignition switch is placed in the "ON" position and the START button is depressed. The ON-OFF IGNITION/EMERGENCY STOP switch is protected by a guard which must be raised before the switch can be moved to the "ON" position. The guard permits easy movement of the switch to the OFF position in case of an emergency.

(3). Start Button.

The START button is a momentary contact, push button type switch. With the IGNITION/EMERGENCY STOP switch positioned up and the START button depressed, electrical power is supplied to the start solenoid.

(4). Warning Horn.

The HORN push button switch, when pressed, supplies electrical power to activate the horn. Also, anytime the boom is not in the stowed position, or the machine is on a 5 degree or more slope, the horn is activated.

(5). Tilt Alarm Warning Light. (Red)

A warning light on the console that lights when the chassis is on a severe slope (over 5 degrees).

CAUTION

IF TILT ALARM IS ON WHEN BOOM IS RAISED OR EXTENDED, RETRACT AND LOWER PLATFORM TO NEAR GROUND LEVEL, THEN REPOSITION MACHINE SO THAT IT IS LEVEL BEFORE EXTENDING OR RAISING BOOM.

Note

Toggle switches or control levers controlling platform movement automatically return to center OFF position when released.

WARNING

TO AVOID SERIOUS INJURY, DO NOT OPERATE MACHINE IF ANY TOGGLE SWITCHES OR CONTROL LEVERS CONTROLLING PLATFORM MOVEMENT DO NOT RETURN TO THE CENTER OFF POSITION WHEN RELEASED.

(6). Lift.

The LIFT controller (proportional controls) or LIFT control lever (hydraulic controls) provides raising and lowering of the boom when positioned to UP or DOWN.

(7). Telescope.

The TELESCOPE control switch or TELESCOPE control lever (hydraulic controls) provides extension and retraction of the boom when positioned to IN or OUT.

(8). Steer.

Positioning the STEER control switch RIGHT or LEFT enables steering the machine to the right or left respectively.

Note

On machines with four wheel steering, the drive controller will have a thumb-rocker switch controlling steer of rear wheels.

(9). Swing.

The SWING controller (proportional controls) or SWING control lever (hydraulic controls) provides 360 degrees continuous rotation when positioned to LEFT or RIGHT.

Note

When boom is above horizontal and any of the following switches, HIGH ENGINE, PUMP VOLUME, or WHEEL MOTOR SPEED, are positioned to HIGH, high speed functions are automatically cut out and the machine continues to operate at a lower speed.

CAUTION

DO NOT OPERATE MACHINE IF HIGH ENGINE SPEED, HIGH WHEEL MOTOR SPEED OR HIGH PUMP VOLUME OPERATE WHEN BOOM IS ABOVE HORIZONTAL.

(10). Engine Speed.

The two position HIGH ENGINE speed control switch allows the operator to select higher function speeds or higher drive speed when positioned to HIGH.

(11). Wheel Speed.

The two position WHEEL SPEED control switch allows the operator to select high wheel motor speed when positioned to HIGH. When used in conjunction with high HIGH ENGINE speed, it gives the machine a faster drive speed range.

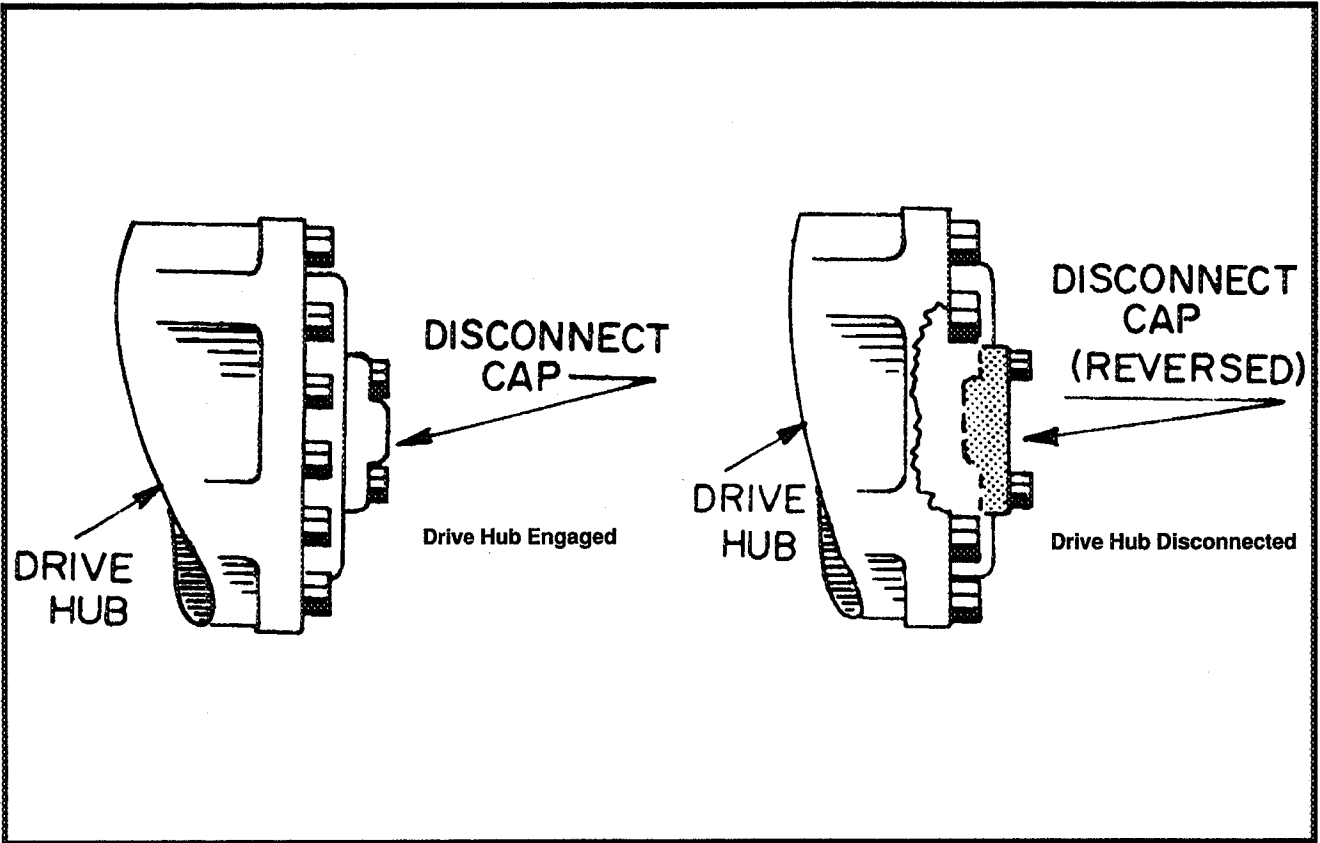


Figure 4-1 Drive Disconnect Hub.

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