35G
Excavator
(PIN: 1FF035GX_ _K270001—)

OPERATOR'S MANUAL

35G Excavator
(PIN: 1FF035GX_ _K270001—)

OMT333111 ISSUE C5 (ENGLISH)

CALIFORNIA

Proposition 65 Warning

Diesel engine exhaust and some of its constituents are known to the State of California to cause cancer, birth defects, and other reproductive harm.

If this product contains a gasoline engine:

⚠ WARNING

The engine exhaust from this product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

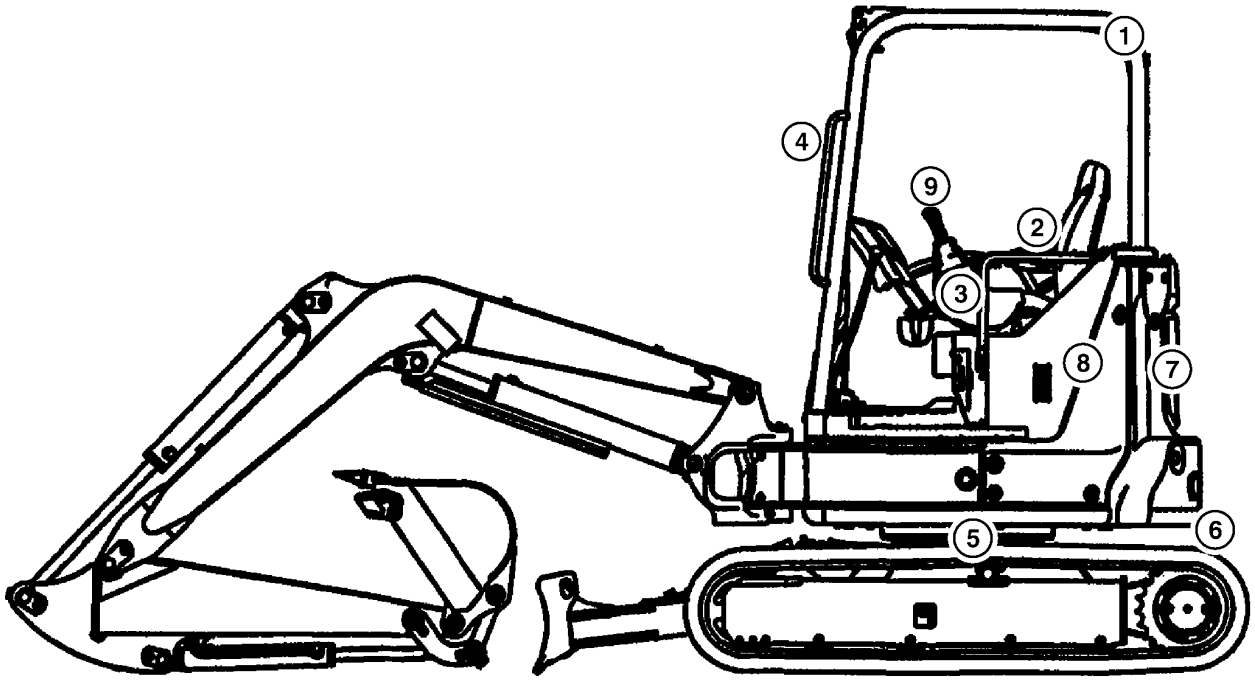
The State of California requires the above two warnings.

Additional Proposition 65 Warnings can be found in this manual.

Worldwide Construction And Forestry Division

LITHO IN U.S.A.

Safety and Operator Convenience Features



TX1126204 —UN—04DEC12

TX1126204

Canopy Model Shown

Please remember that the operator is the key to preventing accidents.

1. ROPS/TOPS/FOPS. A protective structure protects the operator of the compact excavator.

2. Seat Belt. A seat belt is provided for the operator.

3. Pilot Control Shutoff. A lever near the cab exit reminds the operator to deactivate hydraulic functions before leaving the machine and prevents engine start-up unless lever is in locked position.

4. Handholds. Large, conveniently placed handholds make it easy to enter or exit the operator's station or service area.

5. Hydraulic Hose Protection. Covered hoses in swing area improve durability and protect the operator.

6. Swing Brake. Swing brake is engaged when the pilot control shutoff lever is raised. Helps secure upperstructure when transporting the machine.

7. Travel Alarm. Alerts bystanders of machine movement when travelling.

8. Fan Guard. A fan guard inside the engine compartment helps prevent contact with the fan blades.

9. Horn. Standard horn is useful when driving or signaling co-workers.

Cab with Heater/Defroster/Air Conditioner—If Equipped. Circulates both outside and inside air through filters for a clean working environment. Built in defroster vents direct air flow for effective window defogging/deicing.

KR46761,00006B9 -19-18DEC12-1/1

Avoid Backover Accidents

Before moving machine, be sure that all persons are clear of machine path. Turn around and look directly for best visibility. Use mirrors to assist in checking all around machine. Keep windows and mirrors clean, adjusted, and in good repair.

Be certain reverse warning alarm is working properly.

Use a signal person when backing if view is obstructed or when in close quarters. Keep signal person in view at all times. Use prearranged hand signals to communicate.

Do not rely on the rear camera and radar object detection systems to determine if personnel are behind the machine. The system has limitations due to maintenance practices, environmental conditions, and operating range.

PC10857XW —UN—15APR13

TX,AVOID,BACKOVER -19-25OCT10-1/1

Avoid Machine Tip Over

Use seat belt at all times.

Do not jump if the machine tips. You will be unlikely to jump clear and the machine may crush you.

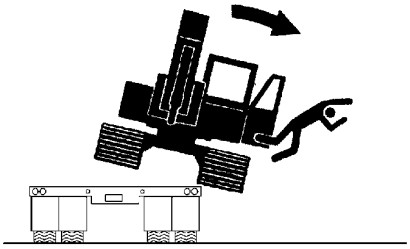
Load and unload from trucks or trailers carefully. Be sure truck is wide enough and on a firm level surface. Use loading ramps and attach them properly to truck bed. Avoid trucks with steel beds because tracks slip more easily on steel.

Be careful on slopes. Use extra care on soft, rocky or frozen ground. Machine may slip sideways in these conditions. When traveling up or down slopes, keep the bucket on uphill side and just above ground level.

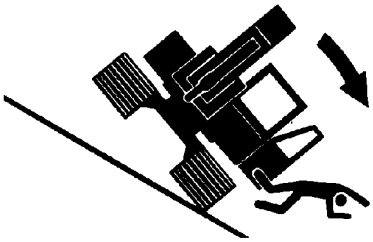
Be careful with heavy loads. Using oversize buckets or lifting heavy objects reduces machine stability. Extending a heavy load or swinging it over side of undercarriage may cause machine to tip.

Ensure solid footing. Use extra care when operating near banks or excavations that may cave-in and cause machine to tip or fall.

T133716 —19—17APR13



T133545 —UN—15SEP00



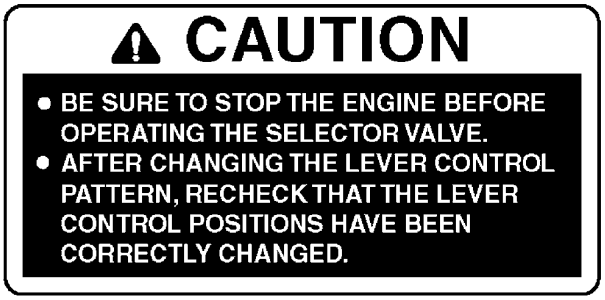
T133803 —UN—27SEP00

TX03679,00016DF -19-03JAN07-1/1

11. **CAUTION, Stop Engine**

Be sure to stop the engine before operating the selector valve.

This safety label is located inside the cab on the seat base.



TX1127626 —19—06DEC12

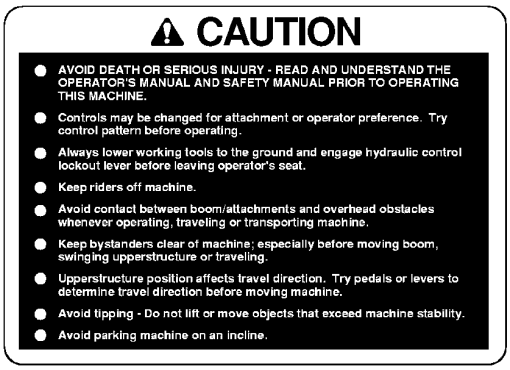
CAUTION, Stop Engine

MB60223,0000007 -19-11APR14-13/15

12. **CAUTION, Avoid Serious Injury or Death**

Read and understand the operator's manual and safety manual before operating this machine.

This safety label is located inside the cab on the seat base.



TX1127625 —19—19DEC12

CAUTION, Avoid Serious Injury or Death

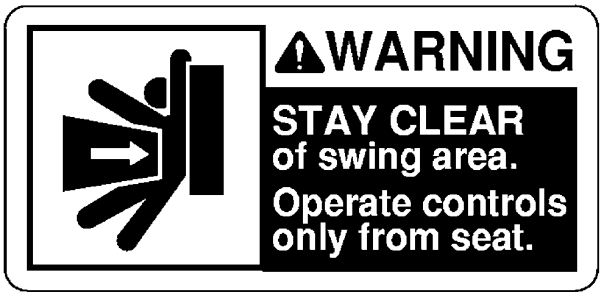
MB60223,0000007 -19-11APR14-14/15

13. **WARNING, Stay Clear**

Stay clear of swing area.

Operate controls only from seat.

This safety label is located on the front of machine.



TX1127624 —19—19DEC12

WARNING, Stay Clear

MB60223,0000007 -19-11APR14-15/15

NOTE: If battery power to the radio is disconnected, radio frequencies assigned to the station preset buttons will be lost.

Station Presetting Procedures

Manually Setting Station Preset Buttons

1. Key switch must be in ON or START position.
2. If radio is not already powered on, rotate power switch/volume control knob clockwise until a click is heard.
3. Rotate power switch/volume control knob to desired volume level.
4. Select station using:
   - tuning buttons or
   - seek button
5. To assign radio frequency, continuously press a station preset button for 2 seconds. Each station preset button may be assigned one AM (MW) station and one FM station. The preset number is displayed when the frequency is assigned.

After presetting has been completed, the preset frequency can be changed if a preset button is pressed and held for 2 seconds.

Auto-Storing Procedure for Setting Station Preset Buttons

NOTE: Using the auto-storing procedure overwrites any frequencies previously assigned to a station preset button.

1. Key switch must be in ON or START position.
2. If radio is not already powered on, rotate power switch/volume control knob clockwise until a click is heard.
3. Rotate power switch/volume control knob to desired volume level.
4. Press auto-store/scan preset button for more than 2 seconds. Radio automatically searches frequencies for receivable stations. The first six stations are assigned to the station preset buttons.

Preset Scanning

1. Key switch must be in ON or START position.
2. If radio is not already powered on, rotate power switch/volume control knob clockwise until a click is heard.
3. Rotate power switch/volume control knob to desired volume level.
4. Press and release auto-store/scan preset button. Radio automatically searches preset frequencies for receivable stations for 5 seconds. Press and release auto-store/scan preset button a second time to resume normal radio operation.

Setting the Clock

1. Key switch must be in ON or START position.
2. If radio is not already powered on, rotate power switch/volume control knob clockwise until a click is heard.
3. If necessary, press the clock button to display time.
4. While maintaining pressure on the clock button, press the tuning decrease button to change the hour display. Release buttons once desired hour is displayed.
5. While maintaining pressure on the clock button, press the tuning increase button to change the minute display. Release buttons once desired minute is displayed.

KR46761,00007E9 -19-04DEC14-2/2

Cab Dome Light

The cab dome light is located on the left side post inside the cab.

NOTE: The cab dome light **will NOT** *turn ON if the key switch is in OFF position.*

Push cab dome light (1) to turn cab light on.

1— Cab Dome Light

TX1125711A —UN—19NOV12

Cab Dome Light

KR46761,00006C1 -19-17DEC14-1/1

MENU—Alarm List

The Alarm List menu will always appear as the first submenu under MENU, but ONLY if there is an actual alarm generated. If there is more than one alarm, a list will be displayed. If there are no alarms, Alarm List will not appear as a submenu.

The submenus under MENU that appear on monitor include:

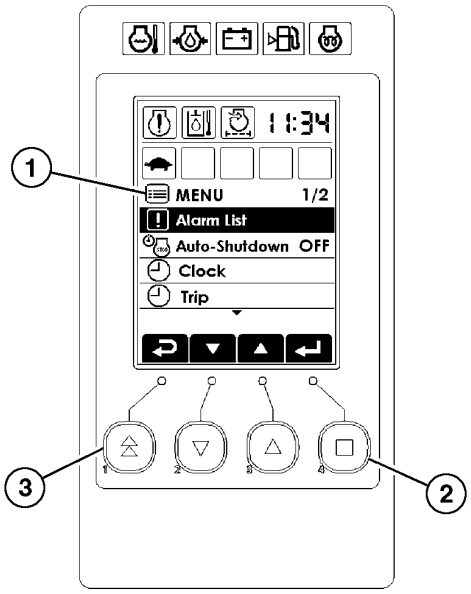
NOTE: Alarm List ONLY appears as a submenu if there is an actual alarm.

- **Alarm List**
- **Auto Shutdown**
- **Clock**
- **Trip**
- **Brightness ADJ.**

At MENU screen (1) with Alarm List highlighted, press select switch (2) to view generated alarms.

Press menu switch (3) to return to previous screen.

Possible alarm indicators that could appear are:



TX1127819 —UN—10DEC12

MENU Screen

1— MENU Screen
2— Select Switch
3— Menu Switch

KR46761,000074A -19-28DEC12-1/11

•Engine Trouble Alarm—Engine or engine related parts are abnormal. Contact your authorized John Deere dealer.

TX1127879 —UN—11DEC12

Engine Trouble Alarm

KR46761,000074A -19-28DEC12-2/11

•Engine Oil Pressure Alarm—Engine oil pressure has decreased. Immediately stop engine. Check engine oil system and oil level.

TX1086353 —UN—06JAN11

Engine Oil Pressure Alarm

KR46761,000074A -19-28DEC12-3/11

•Engine Overheat Alarm—Engine coolant temperature has abnormally increased. Stop operation. Run the engine at slow idle speed and lower the coolant temperature.

TX1086350 —UN—06JAN11

Engine Overheat Alarm

Continued on next page

KR46761,000074A -19-28DEC12-4/11

Travel Pedals and Levers

CAUTION: Prevent possible injury from unexpected machine movement. Keep bystanders clear of machine when traveling.

The instructions below apply when the upperstructure is facing forward and travel motors are to the rear of the machine. If the upperstructure is rotated to the rear and the travel motors are to the front of the machine, the machine moves OPPOSITE to the direction described.

NOTE: Unfold foot pedals before using.

FORWARD TRAVEL (1): Push down on front of both pedals or push both levers forward.

REVERSE TRAVEL (3): Push down on rear of both pedals or pull both levers rearward.

NEUTRAL POSITION (2): Travel brakes will automatically stop and hold the machine.

RIGHT TURN: Push down on front of left pedal or push left lever forward.

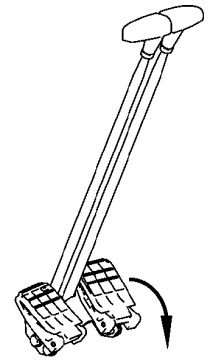
LEFT TURN: Push down on front of right pedal or push right lever forward.

SHORT TURN (COUNTERROTATE): Push down the front of one pedal and the rear of the other or push one lever forward and pull the other rearward.

CAUTION: Prevent possible injury from machine tipping. Operate control pedals or levers slowly when traveling down a slope.

TRAVELING DOWN A SLOPE: Operate control pedals or levers slowly when traveling down a slope.

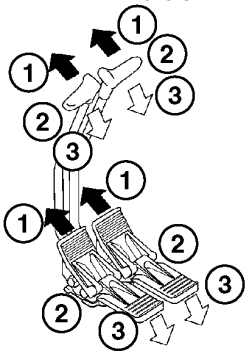
COLD WEATHER OPERATION: Travel pedal and lever dampers are provided for smooth control. In extremely cold weather, pedal or lever effort will increase. Operate pedals or levers several times with pilot shutoff lever in locked (UP) position.



T204926

T204926 —UN—07DEC04

Levers



T204927

T204927 —UN—07DEC04

Pedals and Levers

1— Forward Travel
2— Neutral Position
3— Reverse Travel

KR46761,00007F3 -19-04DEC14-1/1

Parking

IMPORTANT: During freezing weather, prevent damage to undercarriage components from frozen mud and dirt. Machine must be parked on a solid level surface to prevent tracks freezing in the ground.

1. Park machine on a level surface.
2. Lower bucket and blade to the ground.
3. Turn auto-idle switch off.
4. Run engine at slow idle without load for 5 minutes to cool engine.
5. Turn key switch to OFF position. Remove key from switch.
6. Pull pilot control shutoff lever (1) to locked position.
7. Close windows and cab door, if equipped.
8. Lock all access doors and compartments.

Lever in Locked Position

TX1126246A —UN—19NOV12

1— Pilot Control Shutoff Lever

KR46761,00007AF -19-13DEC12-1/1

Diesel Engine Oil — Interim Tier 4, Final Tier 4, Stage IIIB, and Stage IV

Use oil viscosity based on the expected air temperature range during the period between oil changes.

John Deere Plus-50™ II is the recommended engine oil.

Extended service intervals may apply when John Deere Plus-50™ II engine oil is used. Refer to the engine oil drain interval table and consult your John Deere dealer for more information.

If John Deere Plus-50™ II engine oil is not available, engine oil meeting one or more of the following may be used:

- API Service Category CJ-4
- ACEA Oil Sequence E9
- ACEA Oil Sequence E6

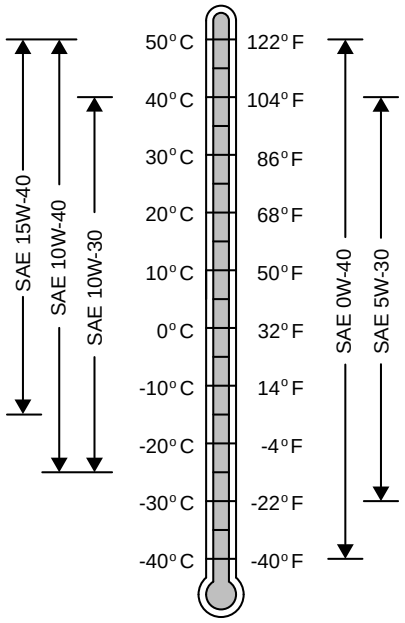
DO NOT use engine oil containing more than 1.0% sulfated ash, 0.12% phosphorus, or 0.4% sulfur.

Multi-viscosity diesel engine oils are preferred.

Diesel fuel quality and fuel sulfur content must comply with all existing emissions regulations for the area in which the engine operates.

IMPORTANT: Use only ultra low sulfur diesel (ULSD) fuel with a maximum sulfur content of 15 mg/kg (15 ppm).

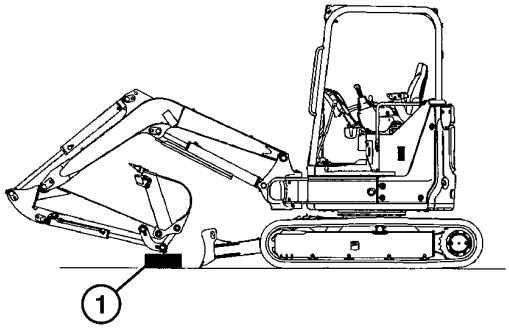
Plus-50 is a trademark of Deere & Company



Oil Viscosities for Air Temperature Ranges

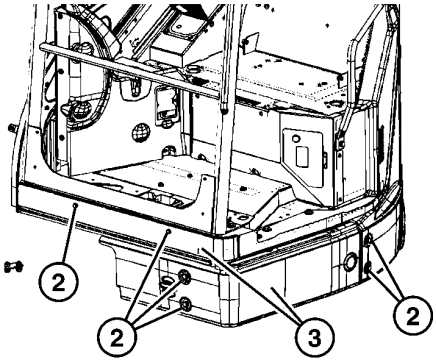
DX,ENOIL14 -19-15JUN10-1/1

Tilting Operator's Station



TX1127541 —UN—07DEC12

Machine Position



TX1127542 —UN—07DEC12

Operator's Station Covers

1— Wooden Block **2— Cap Screw (6 used)** **3— Cover (2 used)**

Raising Operator's Station

IMPORTANT: Avoid machine damage. Do not use other methods for tilting the operator's station.

Avoid damaging tilt mechanism or operator's station. Raise and lower the operator's station slowly.

1. Park and position machine on level surface with arm cylinder and bucket cylinder fully extended.
2. Lower boom to position bucket on wooden block (1) as shown.
3. Lower blade to ground.
4. Ensure pilot shutoff lever is in locked (UP) position.
5. Stop engine. Remove key from key switch. Close and lock cab door, if equipped.
6. Remove cap screws (2) and covers (3).

Continued on next page

KR46761,00006FC -19-17DEC12-1/5

Replace Engine Air Filter

IMPORTANT: Prevent possible engine damage. Do not clean engine air filter. Replace filter when air restriction indicator is illuminated on monitor. To prevent dirt from being sucked up into engine, do not remove filter when engine is running.

Do not start engine without engine air filter installed.

1. Open engine access door to access engine air filter (2).
2. Release engine air filter cover latches (1) to unlock cover.
3. Remove engine air filter.

IMPORTANT: DO NOT use compressed air to clean debris from air cleaner housing. Debris can enter engine, causing internal engine damage.

4. Clean the inside of the filter canister.
5. Install engine air filter, making sure filter element is centered in canister.

IMPORTANT: Prevent possible engine damage. If engine access door does not fit flush to air filter housing, engine air filter is not properly seated in housing.

6. Install cover and secure latches.
7. Close engine access door.

1— Latch (2 used) **2— Engine Air Filter**

TX1128450A —UN—19DEC12

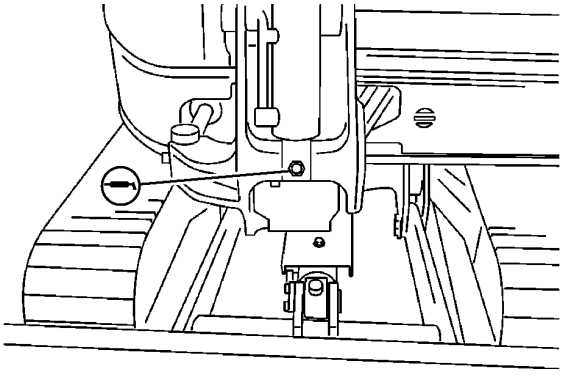
Engine Air Filter Cover

TX1128451A —UN—19DEC12

Engine Air Filter

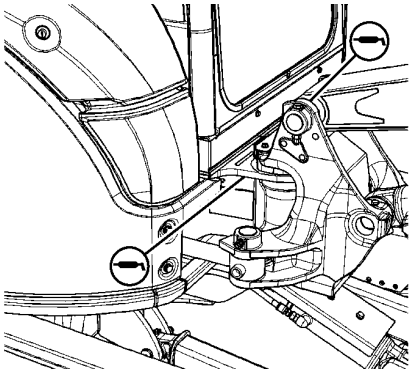
KR46761,00007FF -19-21DEC12-1/1

Lubricate Front End Pin Joints



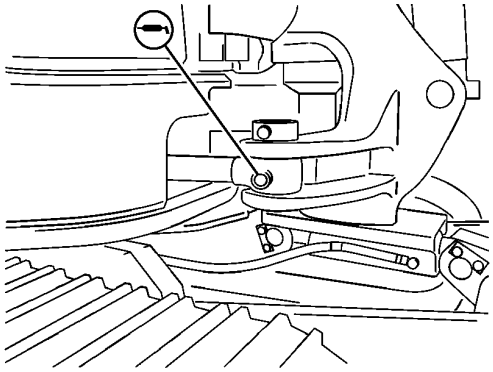
TX1127732 —UN—07DEC12

Boom Cylinder Bottom Side



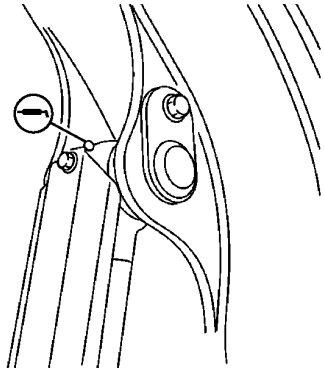
TX1127733 —UN—07DEC12

Boom Foot and Swing Post



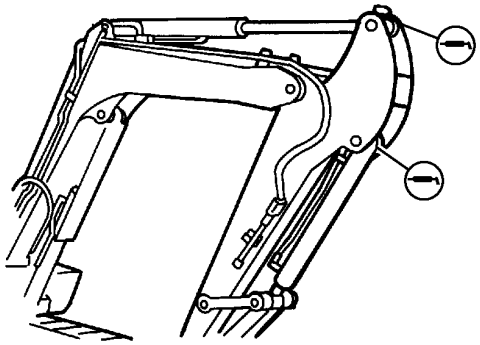
TX1127734 —UN—07DEC12

Boom Swing Cylinder



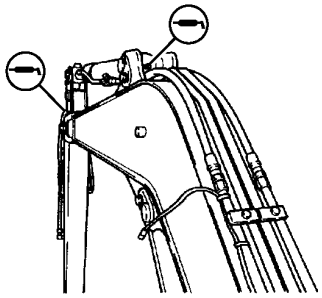
TX1127735 —UN—07DEC12

Boom Cylinder Rod Side



TX1127737 —UN—07DEC12

Arm Cylinder Rod Side, Bucket Cylinder Bottom Side



TX1127738 —UN—07DEC12

Boom and Arm Joint Pin, Arm Cylinder Bottom Side

Lubricate front end pin joints (10 points) until grease escapes from joints. See Grease. (Section 3-1.)

Lubricate every 10 hours when working in mud and water.

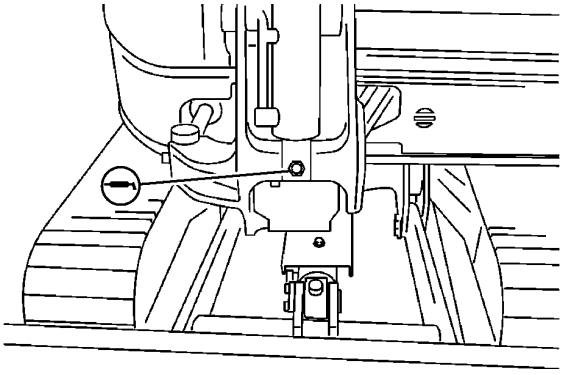
Lubricate every 10 hours for first 50 hours of operation.

Lubricate every 50 hours when using hydraulic breaker.

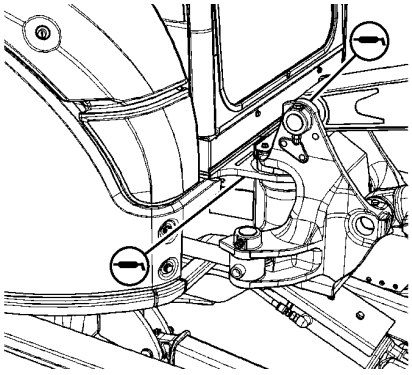
Lubricate every 100 hours for first 500 hours of operation and then at 500 hour intervals thereafter.

KR46761,0000760 -19-06JAN15-1/1

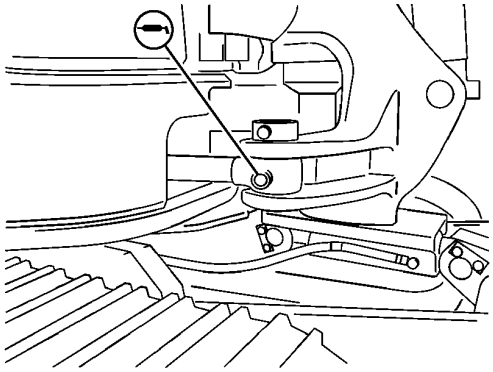
Lubricate Front End Pin Joints



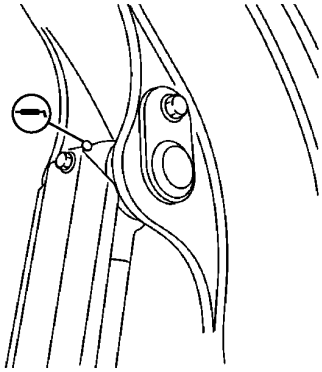
Boom Cylinder Bottom Side



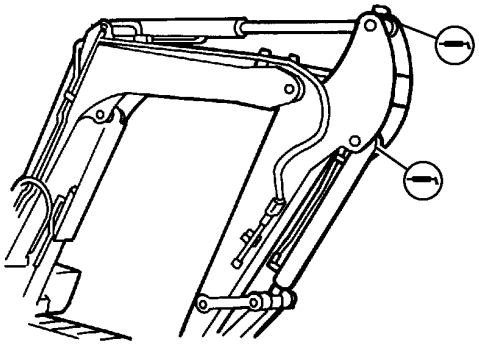
Boom Foot and Swing Post



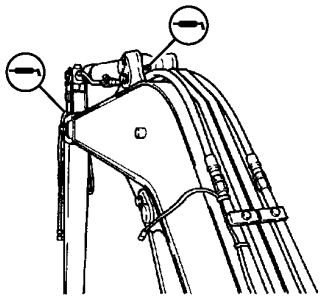
Boom Swing Cylinder



Boom Cylinder Rod Side



Arm Cylinder Rod Side, Bucket Cylinder Bottom Side



Boom and Arm Joint Pin, Arm Cylinder Bottom Side

Lubricate front end pin joints (10 points) until grease escapes from joints. See Grease. (Section 3-1.)

Lubricate every 10 hours when working in mud and water.

Lubricate every 10 hours for first 50 hours of operation.

Lubricate every 50 hours when using hydraulic breaker.

Lubricate every 100 hours for first 500 hours of operation and then at 500 hour intervals thereafter.

KR46761,0000760 -19-06JAN15-1/1

Drain and Refill Hydraulic Tank Oil

NOTE: Change factory fill hydraulic oil after first 2000 hours. Change every 2000 hours thereafter if using super EX 46HN. If using alternative oils, see Hydraulic Oil. (Section 3-1.)

IMPORTANT: Prevent damage to hydraulic system components. DO NOT run engine without oil in the tank.

Avoid mixing different brands or types of oils. Oil manufacturers engineer their oils to meet certain specifications and performance requirements. Mixing different oil types can degrade lubricant and machine performance.

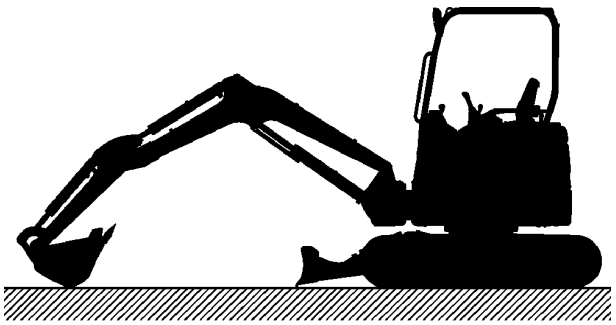
This excavator is factory filled with 46HN extended life zinc-free hydraulic oil. Avoid servicing this excavator with products that do not meet this specification. If oils have been mixed or if alternate service oils are desired, the complete hydraulic system needs to be totally flushed by an authorized dealer.

1. Park machine on a level surface with arm cylinder fully retracted and bucket cylinder fully extended. Lower bucket and blade to ground.

CAUTION: Avoid personal injury from high pressure fluid. High pressure release of oil from pressurized system can cause serious burns or penetrating injury. Slowly loosen hydraulic tank cap to release pressure.

2. Slowly loosen cap (1) to release pressure. Remove cap.
3. Remove hydraulic tank cover (4).
4. Drain oil using a suction pump.

1— Hydraulic Tank Filler Cap **4— Hydraulic Tank Cover**

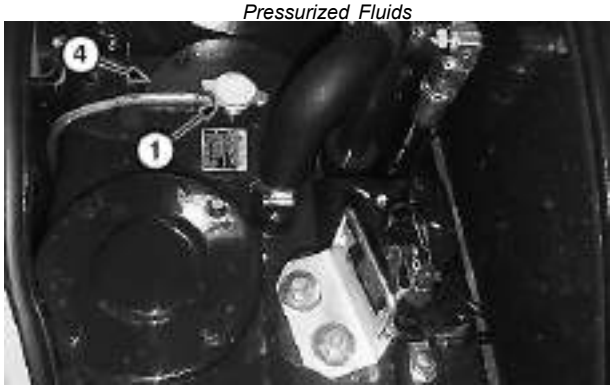


TX1127481 —UN—05DEC12

Machine Position

TS281 —UN—15APR13

Pressurized Fluids



TX1126824A —UN—28NOV12

Hydraulic Tank Filler Cap and Cover

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Bleed Hydraulic System

1. Park and position machine on level surface.

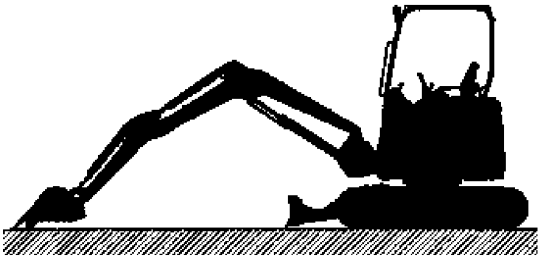
IMPORTANT: Avoid hydraulic pump damage. Perform the hydraulic system bleeding procedure every time you change the hydraulic filter, pilot system oil filter, or change hydraulic tank oil.

Do not operate any hydraulic functions, including unlocking pilot control shutoff lever, until you complete 1—5 in this procedure.

2. Loosen air bleed plug (1).
3. Purge air and tighten air bleed plug to specification.

Specification	
Air Bleed Plug—Torque	30—40 N·m 22—29 lb.-ft.

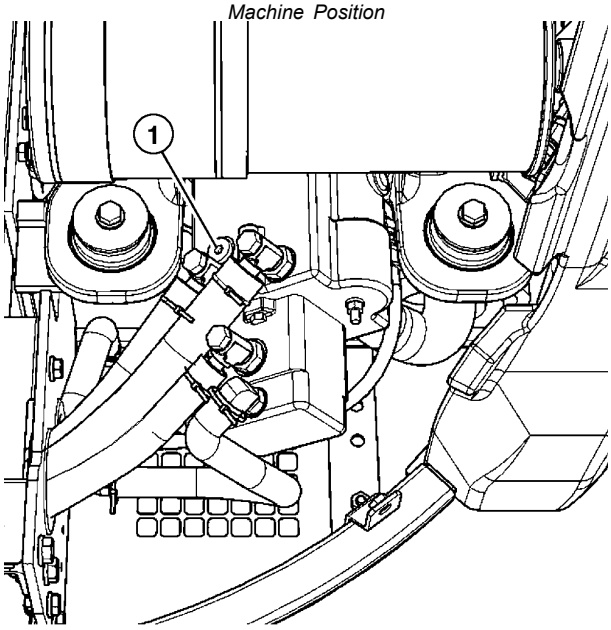
4. Turn engine speed control dial to slow idle position.
5. Start engine. Run for 5—10 seconds to ensure oil flow to hydraulic pump. Stop engine.
6. Check the hydraulic oil level at sight gauge. Add hydraulic oil if necessary. For specific hydraulic oil, see Hydraulic Oil. (Section 3-1.)
7. Start the engine again. Confirm oil level is above minimum point in hydraulic oil sight gauge. Run engine for approximately 1 minute to circulate oil through the system.
8. Stop engine and check hydraulic oil level. Add oil if necessary.
9. Start engine again. Operate each cylinder and swing motor repeatedly for 10—15 minutes to purge air from hydraulic system.
10. Park machine on a level surface and position machine with cylinders fully retracted.
11. Stop engine. Check hydraulic oil level. Add oil if necessary.



T205418 —UN—09DEC04

T205418

Machine Position



TX1127207 —UN—03DEC12

Air Bleed Plug

1— Air Bleed Plug

JS93577,0000054 -19-27DEC12-1/1

Rubber Track Care

CAUTION: Prevent possible injury from unexpected machine movement. A machine with rubber track is less stable than a machine with steel shoes, as the edge of the rubber track may bend when bucket is loaded, especially when digging over the side.

When you drive the machine:

- **Do not operate on sharp, rocky, uneven surfaces.**

NOTE: The rubber track has a thin rubber film on its inner surface when it is new. It is normal for the film to come off when track rubs against rollers.

- Keep the rubber track free of oil, gasoline, etc. Avoid traveling on oil to reduce the chance of slipping.
- If machine is parked or stored for more than 90 days, park in an area out of direct sunlight.
- When transporting a machine with rubber tracks, always fasten the right and left track frames securely to the trailer. Do not allow tie down chains to come into direct contact with rubber track pads.

TX,55,DH5376 -19-25JAN07-1/1

Removing and Installing Rubber Track

Removing Rubber Track

1. Rotate upperstructure 90° and lower bucket to raise track off ground.
2. Keep the angle between boom and arm 90—100° and position round side of the bucket on the ground.

CAUTION: Prevent possible injury from unexpected machine movement. Place blocks under machine frame to support machine while removing and installing track.

3. Place blocks under machine frame to support machine.

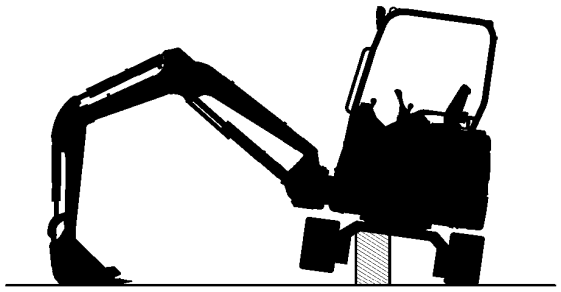
CAUTION: Prevent possible injury from high-pressure grease. DO NOT remove grease fitting (1) from valve (2).

4. To loosen track, slowly turn valve (2) counterclockwise. Grease will escape through the bleed hole (3).

CAUTION: Prevent potential injury from front idler. Do not stand in front of idler during removal of track. Front idler may come off unexpectedly.

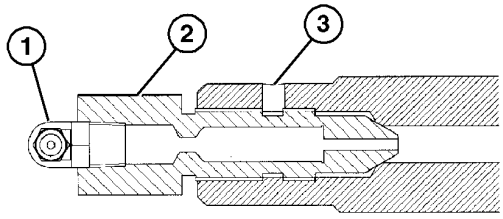
5. Insert two or three steel pipes (4) into gaps among lower rollers, track frame, and rubber track. Rotate track slowly in reverse to lift track off idler. Pry track off idler.
6. Install the rubber track on the sprocket first. Position the other end of the rubber track on the front idler.
7. While rotating the sprocket in reverse, push on the rubber track to force it on the idler.

1— Grease Fitting
2— Valve
3— Bleed Hole
4— Steel Pipe (2 or 3 used)



Machine Position

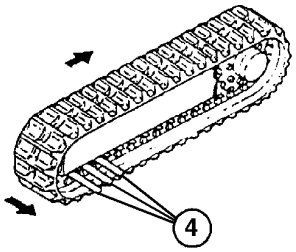
TX1127722 —UN—07DEC12



T204989

Track Adjuster

T204989 —UN—30NOV04



T204991

Track Direction

T204991 —UN—30NOV04

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JS93577,000005C -19-18DEC14-1/2

Light Circuit Checks

TX1127524A —UN—06DEC12

Right Switch Panel

1— Work Light Switch
3— Travel Speed Switch
4— Engine Speed Dial

Press work light switch (1) to the ON position.

LOOK: Is work light indicator illuminated on monitor panel and are machine work lights on?

YES: Go to next check.

LOOK: Does switch panel illuminate?

NO: Check work light relay 25 A fuse (F3).

LOOK: Do machine work lights stay on and switch panel stay illuminated?

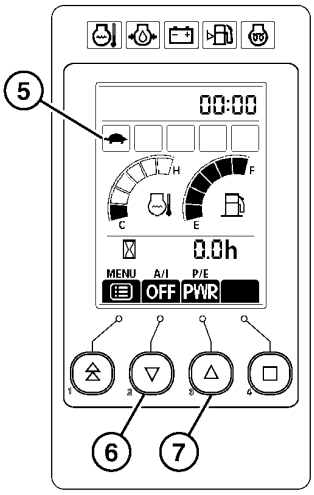
IF OK: See your authorized dealer.

Continued on next page

KR46761,000080C -19-26APR13-11/45

Auto-Idle Circuit Check

TX1127524A —UN—06DEC12



TX1126360 —UN—29NOV12

Power Mode

1— Work Light Switch
3— Travel Speed Switch
4— Engine Speed Dial
5— Travel Speed Indicator
6— Auto-Idle Button
7— Power Mode Button

Turn engine speed dial (4) to fast idle position.

Press power mode button (7) until PWR (power) mode is displayed on monitor.

Press auto-idle button (6) until A/I OFF is displayed on monitor.

Place pilot shutoff lever in unlocked (DOWN) position.

Press auto-idle button until A/I ON is displayed on monitor.

LOOK/LISTEN: Does engine speed decrease after 4—6 seconds?

CAUTION: Prevent possible injury from unexpected machine movement. Clear all persons from the area before operating machine.

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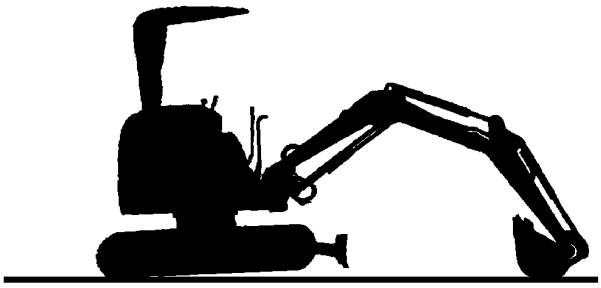
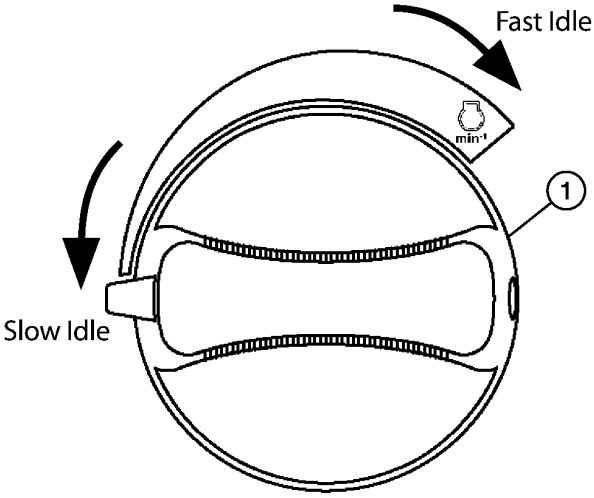
Control Valve Lift Check Test



TX1127529 —UN—06DEC12

Control Valve Lift



TX1126347 —UN—29NOV12

Engine Speed Dial

1— Engine Speed Dial

Turn engine speed dial (1) to slow idle position.

Position machine as shown.

Slowly lower boom, extend arm (retract cylinder), and dump bucket (retract cylinder).

LOOK: Do functions move in opposite direction as pilot control levers are moved, then change direction as levers are moved farther?

YES: See your authorized dealer.

NO: Go to next check.

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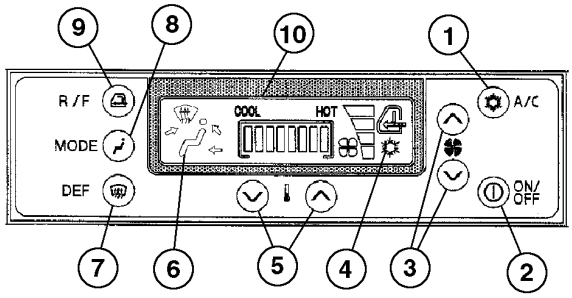
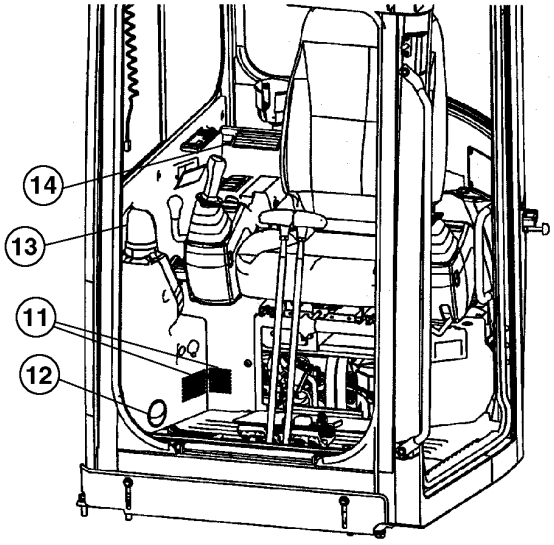
KR46761,000080C -19-26APR13-34/45

Heater and Air Conditioning Circuit Check—Cab Only



TX1040576 —UN—06MAY08

Air Conditioner and Heater Control Panel



TX1040577 —UN—06MAY08

Air Conditioner and Heater Air Vents

1— Air Conditioner Switch
2— Air Conditioner/Heater Control Power Switch
3— Blower Speed Switch
4— Air Conditioner Indicator
5— Temperature Control Switch
6— Vent Mode Indicator
7— Defroster Switch
8— Vent Mode Switch
9— Circulation and Fresh Air Mode Switch
10— Air Conditioner/Heater LCD Display
11— Foot Air Vent
12— Lower Front Air Vent
13— Upper Front Air Vent
14— Rear Air Vent

With engine running and at normal operating temperature.

Push air conditioner/heater control power switch (2) ON.

LOOK: Does air conditioning/heater LCD display (10) light up?

Push the blower speed button (3) to increment through all four fan speeds.

FEEL/LISTEN: Does blower motor have four speeds?

Put blower speed to highest speed setting.

KR46761,000080C -19-26APR13-45/45

Symptom	Problem	Solution
No Swing Function	Pilot shutoff lever	Place pilot shutoff lever in unlocked (DOWN) position.
	Pilot control valve hoses pinched or kinked	Inspect and correct.
Swing Function Is Jerky	Lack of grease in swing bearing	Fill with grease.
	Rocks or mud jammed in track frame	Remove and repair.
Slow Travel Speed Only	Pilot control valve hoses pinched or kinked	Inspect and correct.
Travel Is Jerky	Engine speed too slow	Increase engine speed.
	Track sag adjustment	Adjust track sag.
	Rocks or mud jammed in track frame	Remove and repair.
Engine Stops When Travel Or Control Lever Actuated	Air filters restricted	Replace filter elements.
	Fuel filters restricted	Replace filters. Bleed air.
	Air in fuel system	Bleed air from fuel system.
Angle Blade Drift Too Great	Angle blade moves when blade is not operated	Check system relief and circuit relief valves.
Angle Blade Not Operated	One side of angle does not work	Check hose routing.
		Check center joint.
Angle Blade Moves Slowly	One side of angle blade does not work	Check hose routing.
		Check center joint.

KR46761,00007F8 -19-04JAN13-2/2

Excavator Lift Capacity—KG (LB.) (Canopy, Standard Arm, Standard Counterweight, and Rubber Track with Blade)

Arm: 1.31 m (4 ft. 4 in.)	**Blade: 1.45 m (5 ft. 9 in.)**	**Bucket: 80.0 kg (176.4 lb.)**
Power Dig: On		
LIFTING OVER FRONT		
Load Point Height	**Horizontal Distance from Centerline of Rotation**	
m (ft.)	**1.52 (5)**	**3.05 (10)**
1.52 (5)		1207* (2662*)
Ground Line		1566* (3453*)
-1.52 (-5)	2989* (6589*)	1291* (2847*)
LIFTING OVER SIDE		
Load Point Height	**Horizontal Distance from Centerline of Rotation**	
m (ft.)	**1.52 (5)**	**3.05 (10)**
1.52 (5)		696 (1534)
Ground Line		640 (1412)
-1.52 (-5)	2070 (4563)	646 (1425)

35G Lift Capacities (canopy, standard arm, standard counterweight, and rubber track with blade)

* Hydraulically Limited Capacities

KR46761,00006F8 -19-03JAN13-1/1

Excavator Lift Capacity—KG (LB.) (Canopy, Standard Arm, Standard Counterweight, and Steel Track with Blade)

Arm: 1.31 m (4 ft. 4 in.)	**Blade:** 1.45 m (5 ft. 9 in.)	**Bucket:** 80.0 kg (176.4 lb.)
Power Dig: On		
LIFTING OVER FRONT		
Load Point Height	**Horizontal Distance from Centerline of Rotation**	
m (ft.)	**1.52 (5)**	**3.05 (10)**
1.52 (5)		1207* (2662*)
Ground Line		1566* (3453*)
-1.52 (-5)	2989* (6589*)	1291* (2847*)
LIFTING OVER SIDE		
Load Point Height	**Horizontal Distance from Centerline of Rotation**	
m (ft.)	**1.52 (5)**	**3.05 (10)**
1.52 (5)		728 (1606)
Ground Line		673 (1484)
-1.52 (-5)	2167 (4778)	679 (1497)

35G Lift Capacities (canopy, standard arm, standard counterweight, and steel track with blade)

* Hydraulically Limited Capacities

KR46761,00006F9 -19-03JAN13-1/1