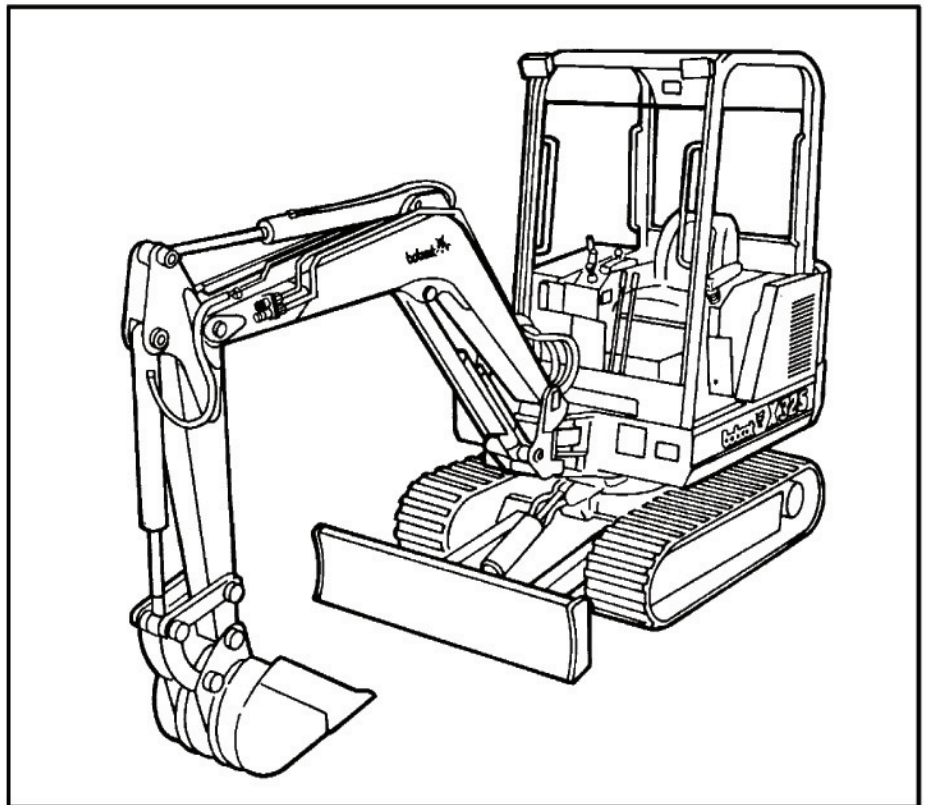


X 325

Excavator

Operation & Maintenance Manual

(S/N 514011001–514012999)



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MELROE
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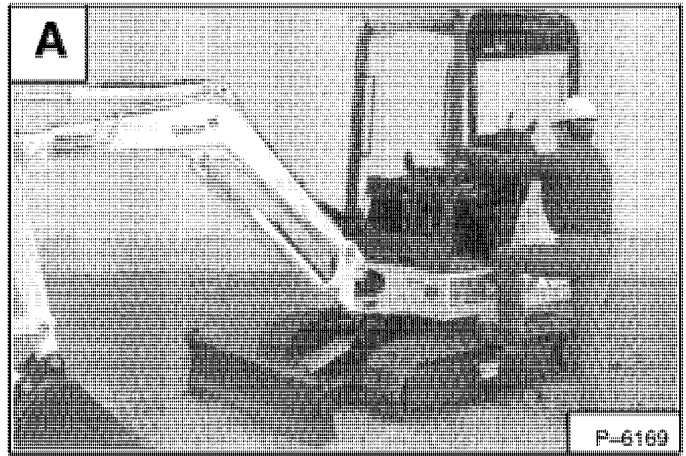
SAFETY

| | |
|------------------------------|-----------|
| SAFETY INSTRUCTIONS | ix, x |
| FIRE PREVENTION | xi |
| MACHINE SIGNS (DECALS) | xii, xiii |

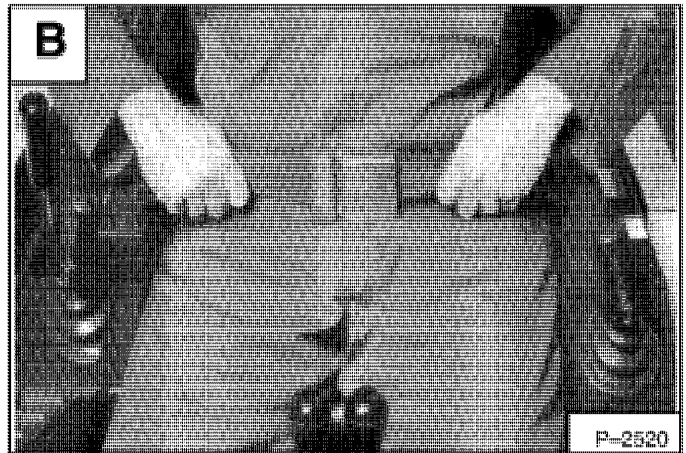
SAFETY

GETTING ON AND OFF THE MACHINE

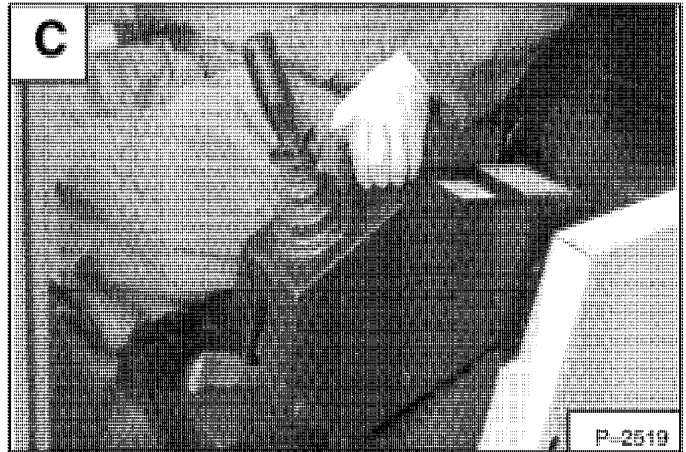
Use the grab handles, the tracks and the safety tread to get on and off the machine [A].



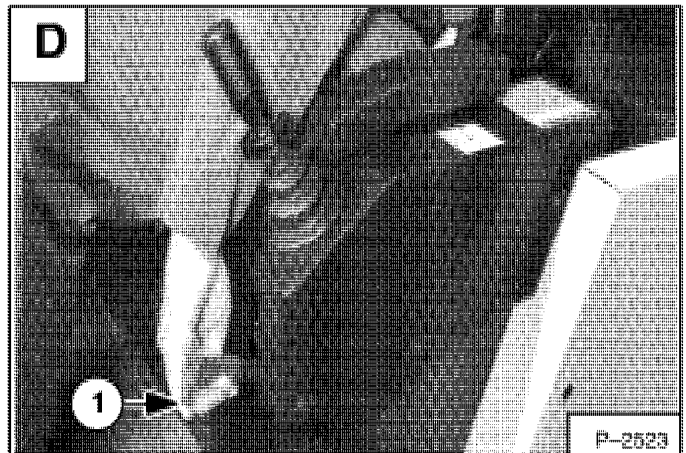
Fasten the seat belt snugly. Adjust the seat belt so that the buckle is centered between the hips [B].



Lower the left control console before Starting the Engine (See Page 15) [C].



Lift up on the lever (Item 1) [D] to release and raise the control console.



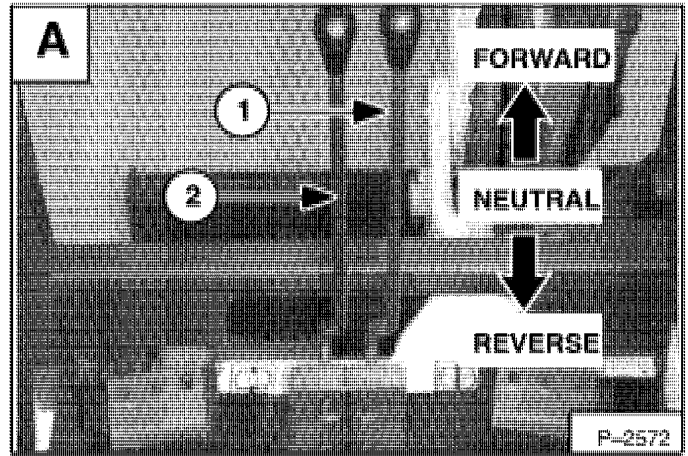
STEERING LEVERS/FOOT PEDALS

Forward and Reverse Travel

NOTE: NOTE: The following procedures describe forward, reverse, right & left as though you were seated in the operator's seat and with the blade to the front of the excavator.

Put the blade so that it is to at the front of the machine as you sit in the operator's seat. Slowly push both steering lever's* (Items 1 & 2) [A] forward for forward travel. Pull both steering levers backward for reverse travel.

*There are also foot pedals to operate the steering levers in the same manner.



WARNING

AVOID INJURY OR DEATH

- Check the blade location before traveling. When the blade is to the rear, operate the steering levers/foot pedals in the opposite direction to when the blade is in the front.
- Move the steering levers/foot pedals slowly. Abrupt lever motion will cause the machine to jerk.

W-2138-0189

Turning

Right Turn

Push the left steering lever forward to turn to the right [B] while traveling in a forward direction.

Pull the left steering lever backward to turn to the right [D] while traveling in the reverse direction.

Spin-Turn Right

Push the left steering lever forward and pull the right steering lever backward [F].

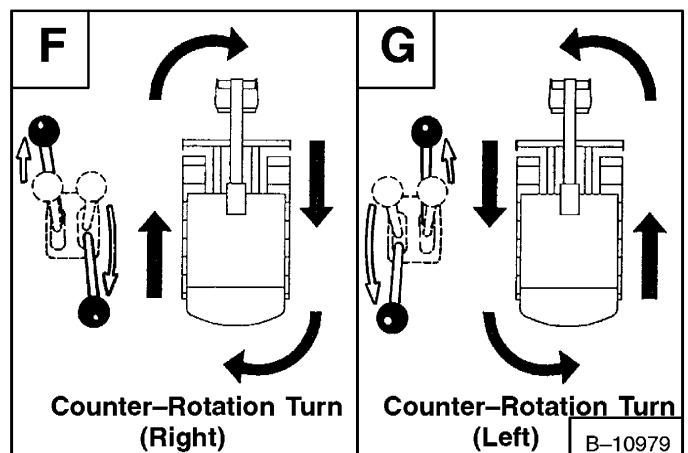
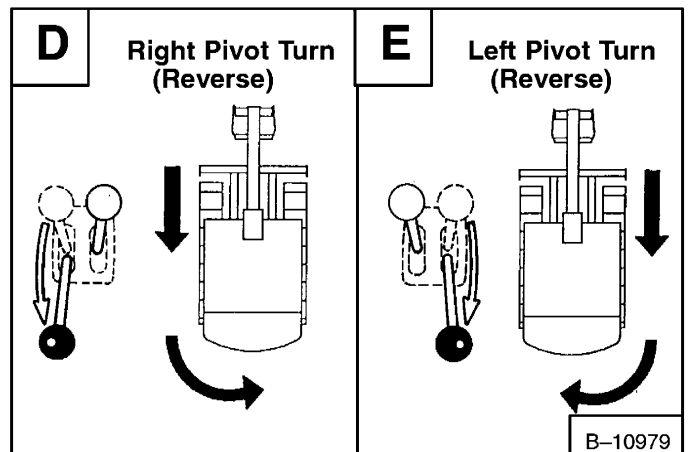
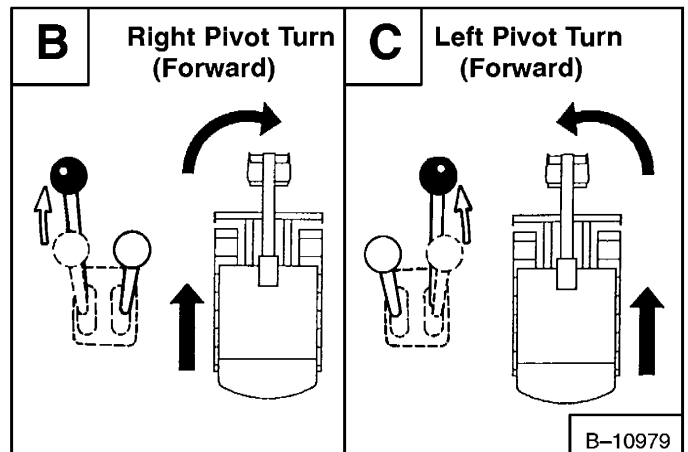
Left Turn

Push the right steering lever forward to turn to the left [C] while traveling in a forward direction.

Pull the right steering lever backward to turn to the left [E] while traveling in the reverse direction.

Spin-Turn Left

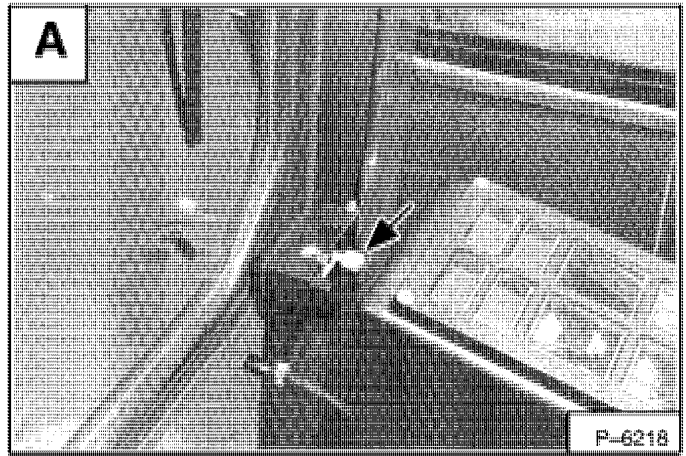
Push the right steering lever forward and pull the left steering lever backward [G].



CAB OPTION

Opening the Front Window

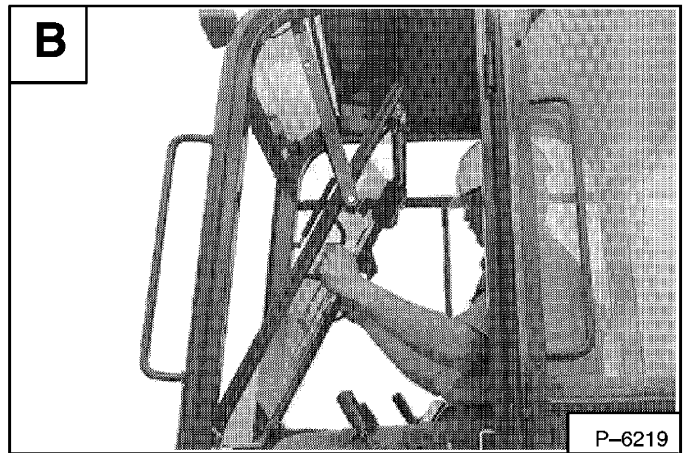
Move the four (4) window latch pins inward and place them in the unlatched position **[A]**.



Grab both window handles and pull the top of the window inward **[B]**.

When the top of the window moves inward, lift up on the window handles and the window will move up and will pivot inward, over the operators head.

When the window is over the operators head, lift the bottom of the window upward. The top edge of the window will engage the pocket at the top rear of the cab.



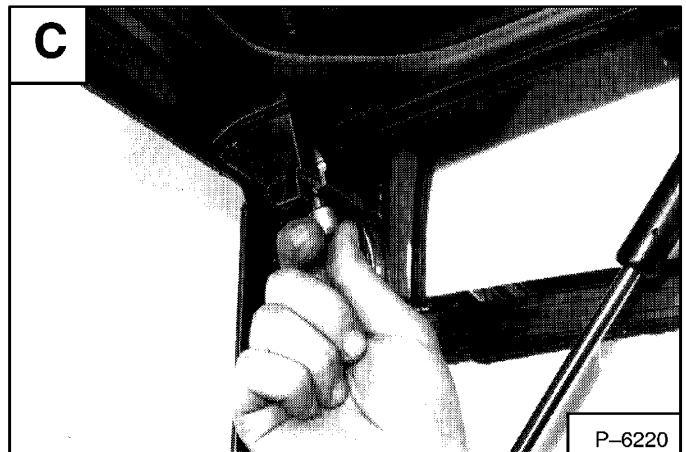
Hold the bottom of the window up and move the two (2) bottom window latch pins outward. Make sure that the pins are secured to the open window latch points **[C]**.

Closing the Front Window

Hold the bottom of the window up and move the two (2) window latch pins inward and place them in the unlatched position **[C]**.

Grab both window handles and pull the bottom of the window downward **[B]**.

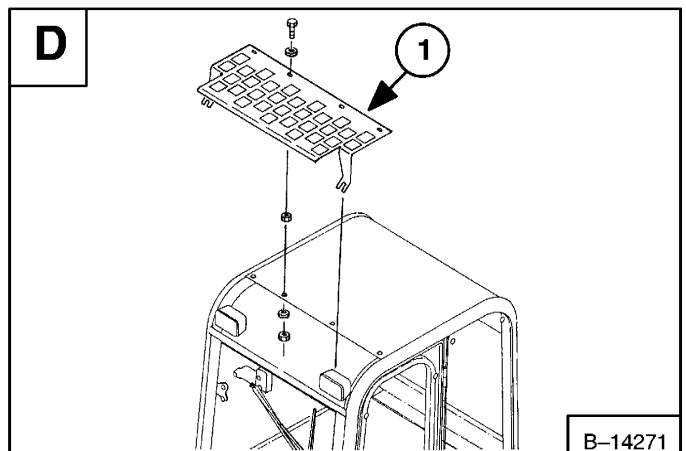
When the window is in the down and vertical position, push outward at each corner latch point and move the latch pins into the locked position **[A]**.



CAB/CANOPY FOPS (Falling Object Protective Structure)

A cab/canopy FOPS (Falling Object Protective Structure) (Item 1) **[D]** is available as a field installed accessory.

This kit is available through Melroe Parts Sales. See your excavator dealer to order this part.



ENGINE LUBRICATION SYSTEM

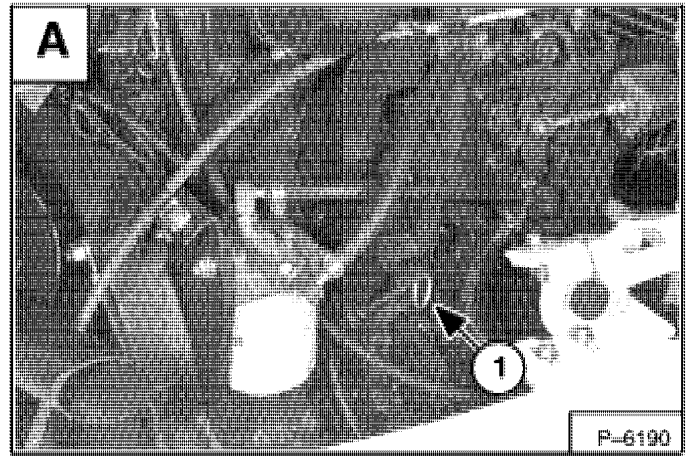
Check the engine oil every day.

Stop the engine. Open the engine cover.

Remove the dipstick (Item 1) [A].

Keep the oil level between the marks on the dipstick.

Use a good quality motor oil that meets API Service Classification of CE (See Fuel, Coolant and Lubricants Chart, Page 54).



Engine Oil and Filter Replacement

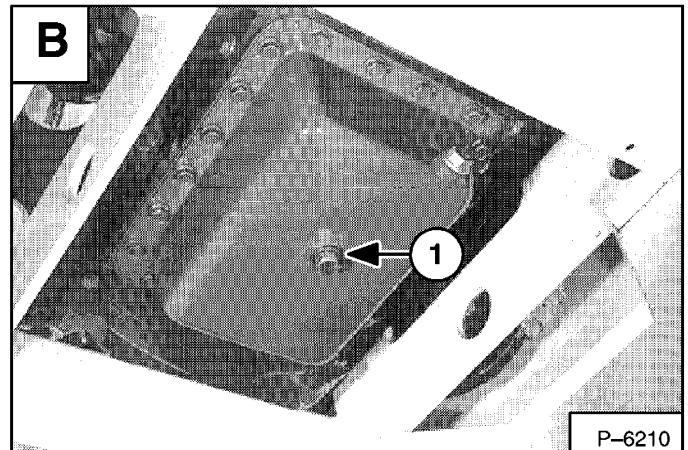
See the Service Schedule (Page 28) for the correct service interval.

Use the following procedure to change the oil and filter:

Run the engine until it is at operating temperature.

Turn the upperstructure so the engine oil can drain between the tracks. Stop the engine.

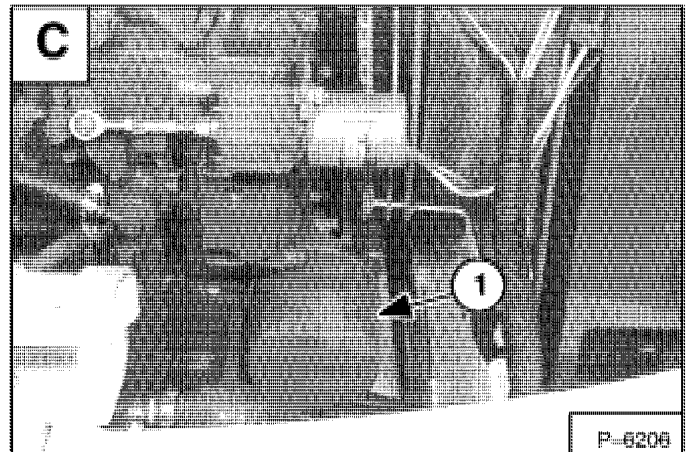
Remove the drain plug (Item 1) [B]. Drain the oil into a container.



Remove the oil filter (Item 1) [C], using a filter wrench.

Clean the filter housing surface. Put clean oil on the filter gasket. Install the new filter and hand tighten only.

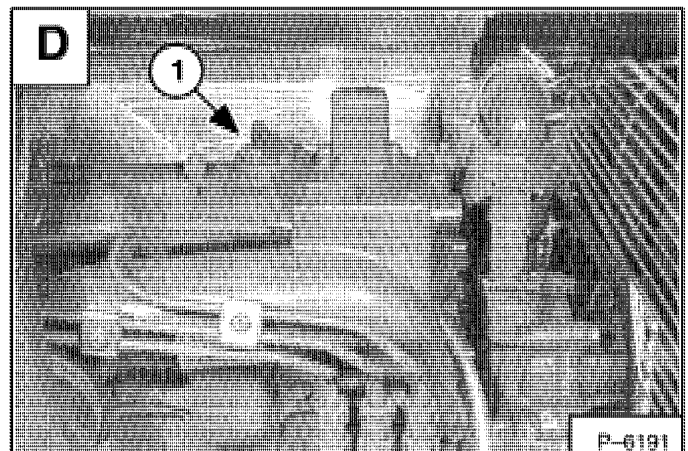
Install and tighten the oil drain plug.



Remove the oil fill cap (Item 1) [D]. Put 5 qts. (5,7 L) of oil into the engine (See Fuel, Coolant and Lubricants Chart & Capacity, Page 54).

Start the engine and let it run for several minutes. Stop the engine. Check for leaks at the oil filter and the drain plug.

Check the oil level and add oil as needed to bring it to the "top" mark on the dipstick.



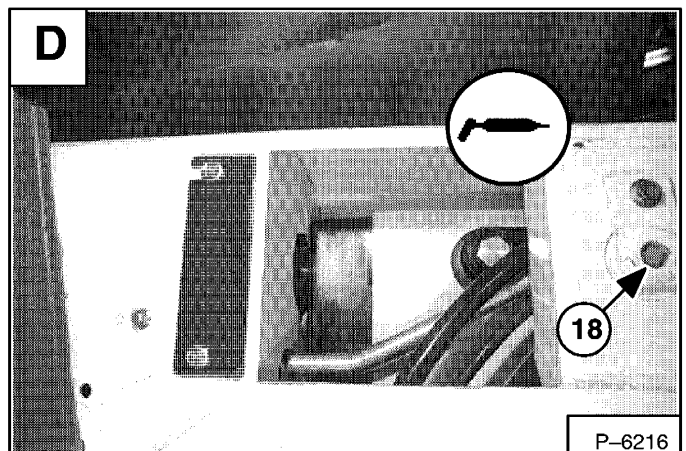
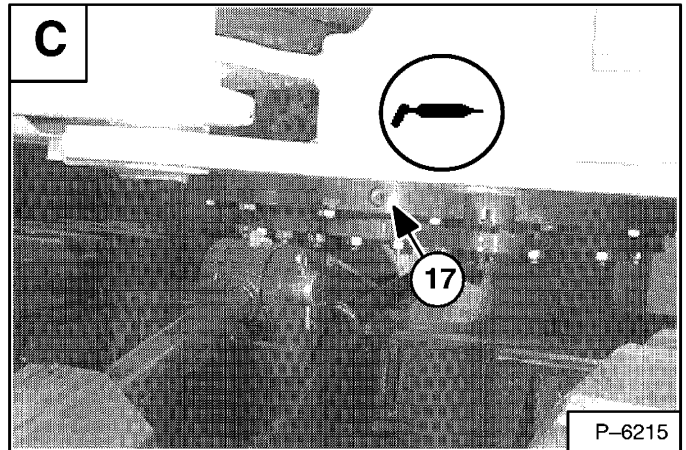
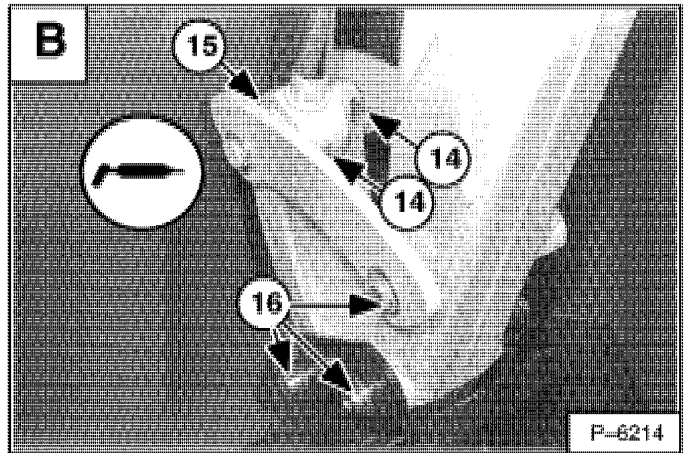
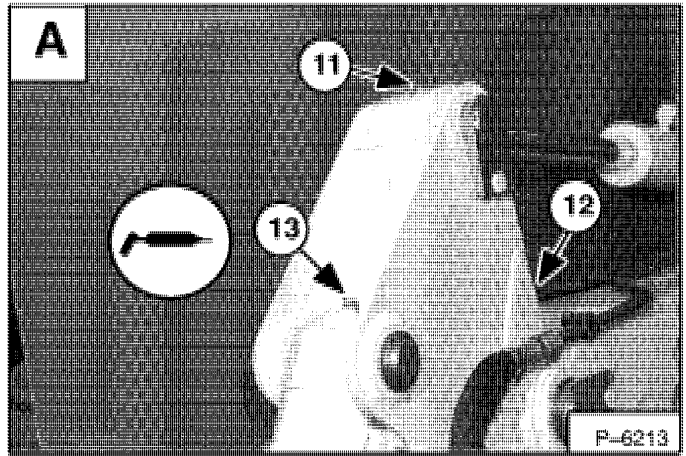
**LUBRICATION OF THE HYDRAULIC EXCAVATOR
(Cont'd)**

Ref. Description (# of Fittings)

- 11. Arm Cylinder Rod End , every 8–10 hours (1) [A].
- 12. Arm Base Pivot, every 8–10 hours (1) [A].
- 13. Bucket Cylinder Base End, every 8–10 hours (1) [A].
- 14. Bucket Cylinder Rod End, every 8–10 hours (1) [B].
- 15. Bucket Link Pivots, every 8–10 hours (2) [B].
- 16. Bucket Pivots, every 8–10 hours (3) [B].
- 17. Swing Circle Ball Bearings, every 50 hours (2) [C].
- 18. Boom Swing Cylinder Base End, every 8–10 hours (1) [D].

NOTE: Do not over-grease the swing circle or damage to the seals could result. Install 4 to 5 pumps of grease from a grease gun into each of the 2 grease fittings. Rotate the upper structure 90° and install 4 to 5 pumps of grease into each of the 2 grease fittings.

(Under the right side of the upperstructure)



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