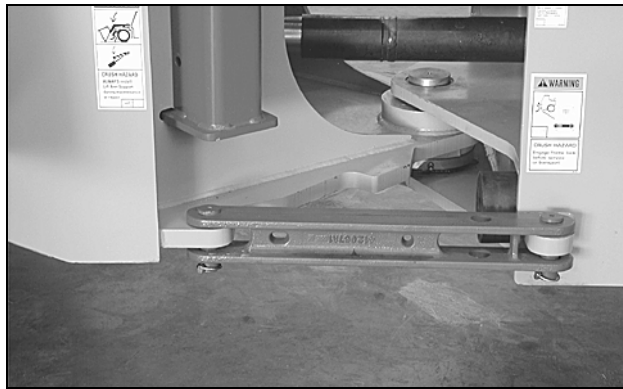


ENGINE

Removal

STEP 1



BD03A040

Park machine on a level surface and lower bucket to ground. Put articulation lock in LOCKED position.

STEP 2

Stop engine. Actuate brake pedal several times to discharge brake accumulators. Put key switch in ON position and move loader control lever back and forth at least 30 times to release any pressure from hydraulic circuit. Put key switch in OFF position.

STEP 3

Slowly loosen the filler cap for hydraulic reservoir to release air pressure in hydraulic reservoir.

STEP 4

Put master disconnect switch in OFF position. Disconnect batteries from the machine.

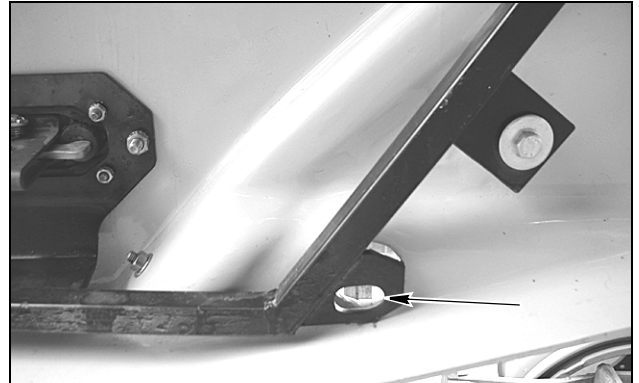
STEP 5



BD03N043

Loosen clamps and remove air filter intake from air filter.

STEP 6



BD03J111

Open the engine compartment side panel, attach a lifting eye to the hole in the lower portion of the panel.

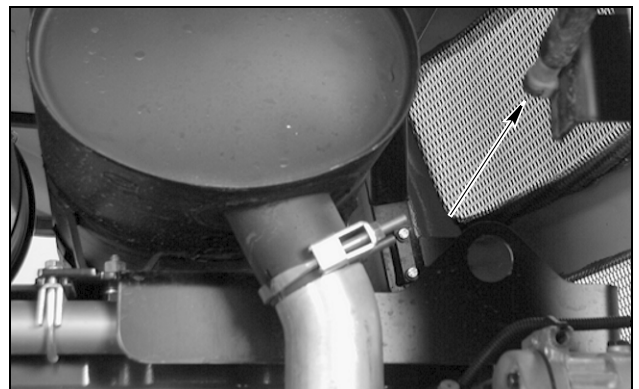
STEP 7



BD03N045

Attach lifting straps to the hinge side of the hood, attach suitable lifting equipment to the straps and take up slack in the straps.

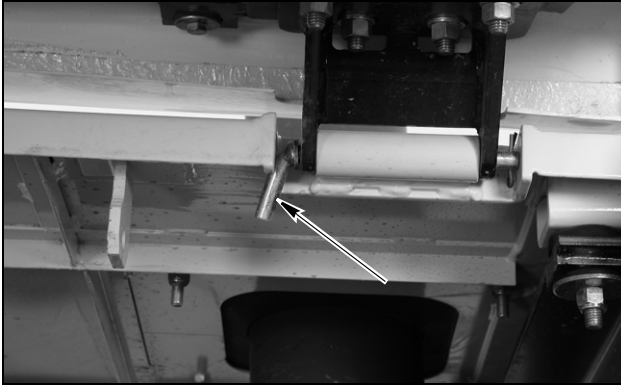
STEP 8



BD03J112

Disconnect the gas cylinder from the side panel and hood.

STEP 9



BD03N046

Remove hinge pins, remove panel from machine.

STEP 10

Repeat steps 6 through 9 for the other side panel.

STEP 11

Attach lifting straps to the center hood section.

STEP 12

Connect lifting equipment to the lifting straps. Take up all slack in strap connected to hood.

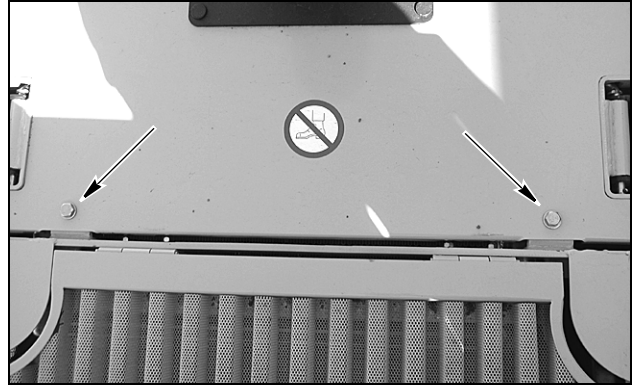
STEP 13



BD03J115

Remove two nuts and bolts and four washers securing the rear of the hood.

STEP 14



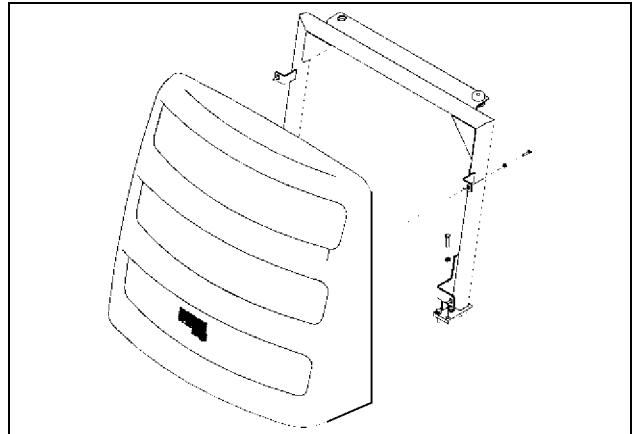
BD03J116

Remove the two front bolts and washers securing the front of the hood.

STEP 15

Carefully raise and remove hood from loader. Lower hood onto suitable platform and disconnect lifting equipment.

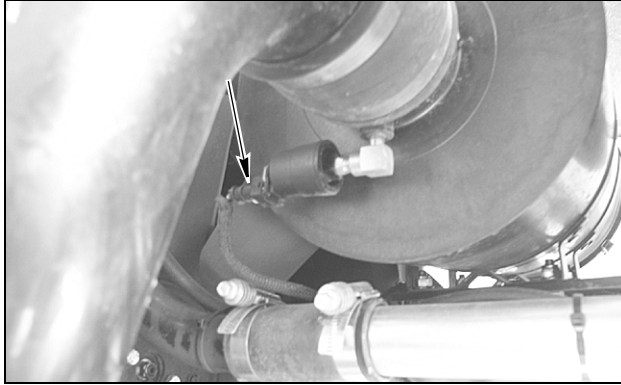
STEP 16



BC03J056

Remove the four rear grill mounting bolts, remove the grill. Remove the six rear grill frame mounting bolts and nuts, remove the frame.

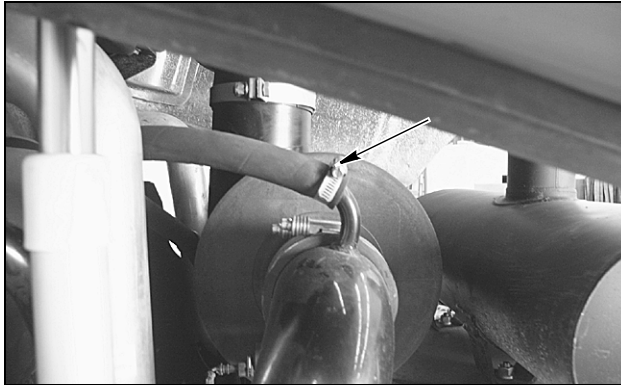
STEP 17



BD03A224

Tag and disconnect engine wiring harness connector from air filter restriction switch.

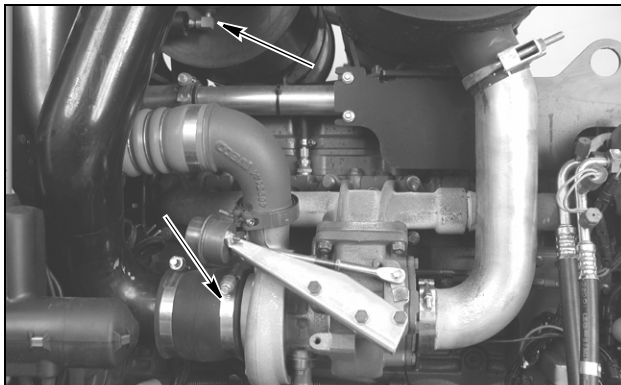
STEP 18



BD03A225

Loosen clamp on air cleaner intake hose and remove the crankcase ventilation hose.

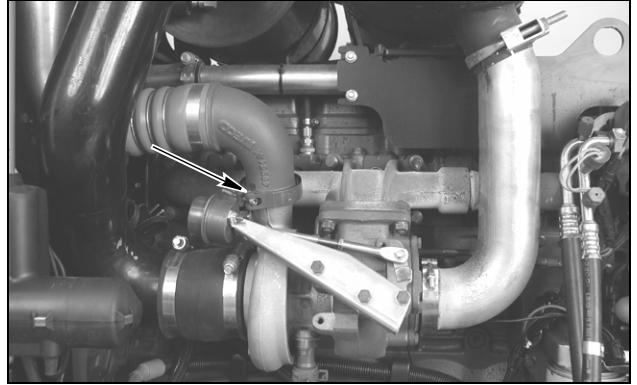
STEP 19



BD03A137

Loosen clamps on turbocharger and air cleaner, remove the intake hose.

STEP 20



BD03A137

Loosen the clamp on the turbocharger for the after cooler inlet hose.

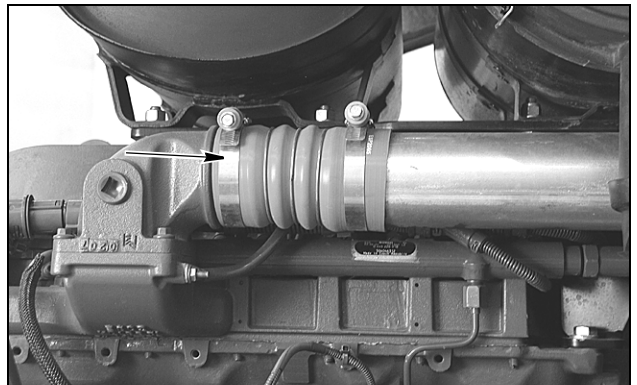
STEP 21



BD03A115

Loosen the clamp on the after cooler and remove the after cooler inlet hose from the machine.

STEP 22



BD03A119

Loosen the clamps on the intake and after cooler, remove cooler output hose.

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