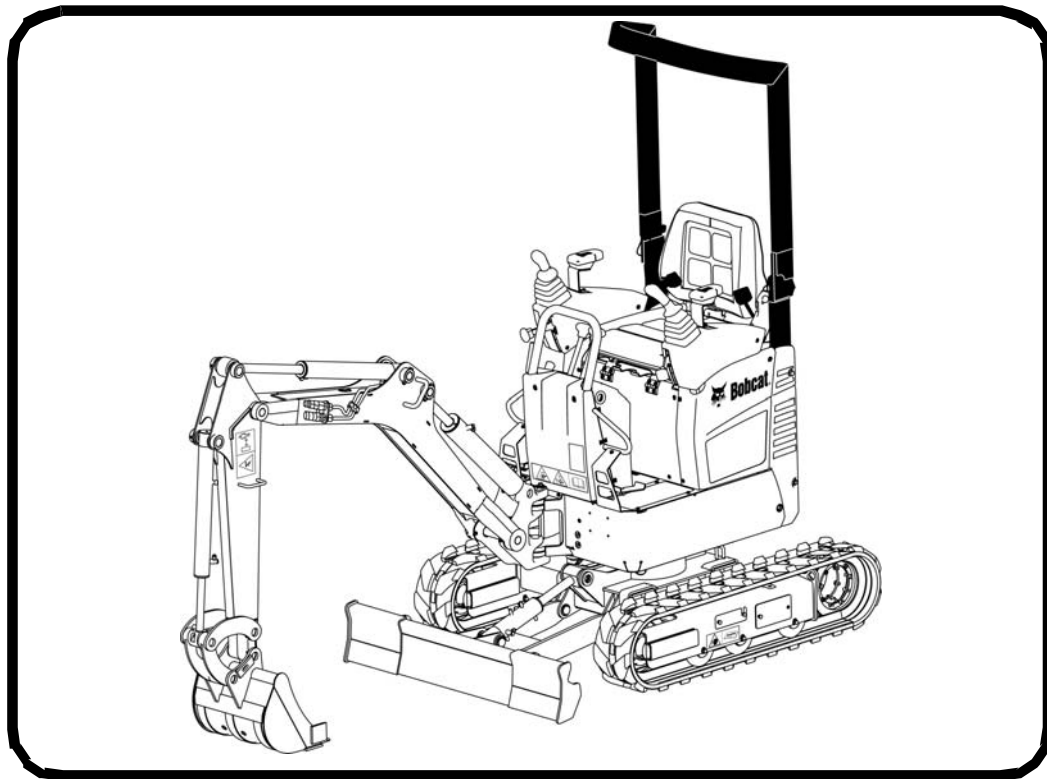




Bobcat®

Operation & Maintenance Manual 418 Compact Excavator

418 S/N AB4711001 & Above



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DELIVERY REPORT

Figure 4

DELIVERY REPORT

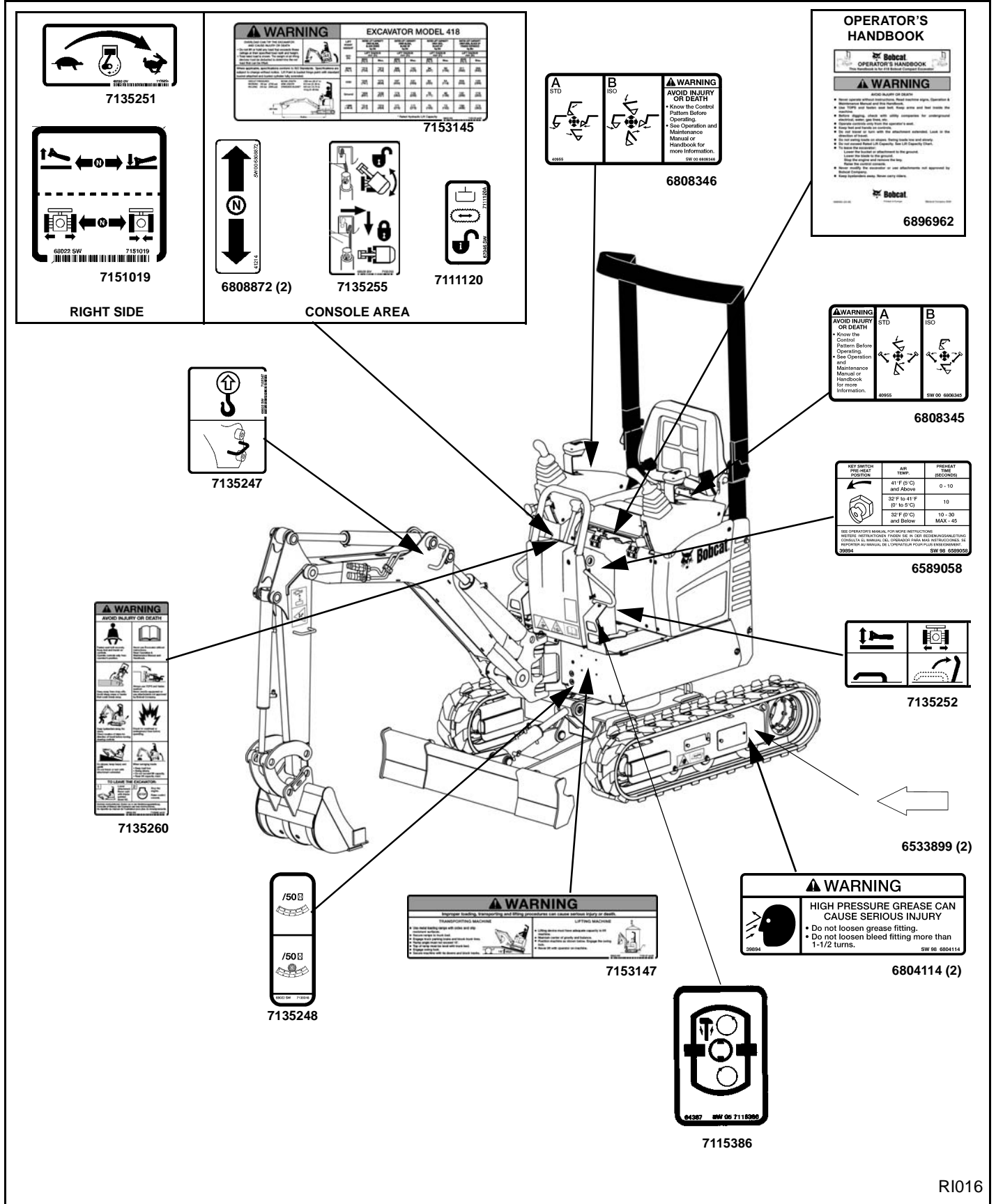
WARNING

B-16315

The Delivery Report items must be explained to the owner/operator by the dealer. The dealer is to complete the form and the owner/operator signs the form to indicate his understanding **[Figure 4]**.

MACHINE SIGNS (DECALS)

Follow the instructions on all the Machine Signs (Decals) that are on the excavator. Replace any damaged machine signs and be sure they are in the correct locations. Machine signs are available from your Bobcat Excavator dealer.



RI016

TIP-OVER PROTECTIVE STRUCTURE (TOPS)

TOPS Position



AVOID INJURY OR DEATH

Use the Tip Over Protective Structure (TOPS). TOPS changes not approved by Bobcat Company can cause loss of operator protection and result in injury or death. The TOPS must be in the raised position with the seat belt fastened. There is no tip-over protection when the TOPS is in the lowered position.

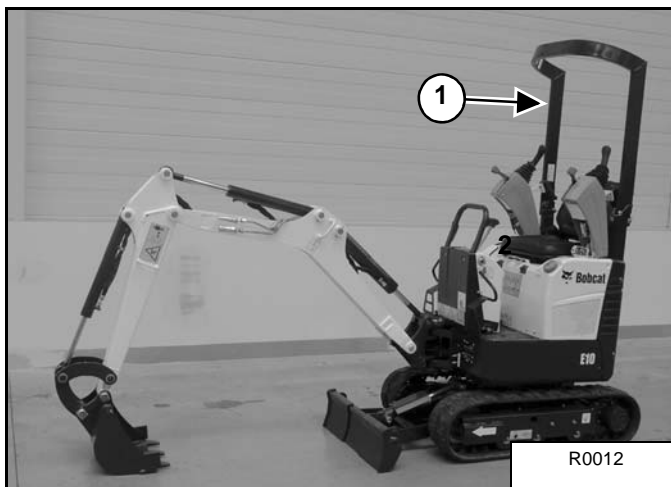
W-2742-0608

The excavator can be operated temporarily with the TOPS lowered for access through height restricted openings. Do not fasten seat belt when the TOPS is in the DOWN position.

Stop the engine, exit the machine and put the TOPS in the UP and LOCKED position after passing through height restricted opening.

Raising And Lowering The TOPS

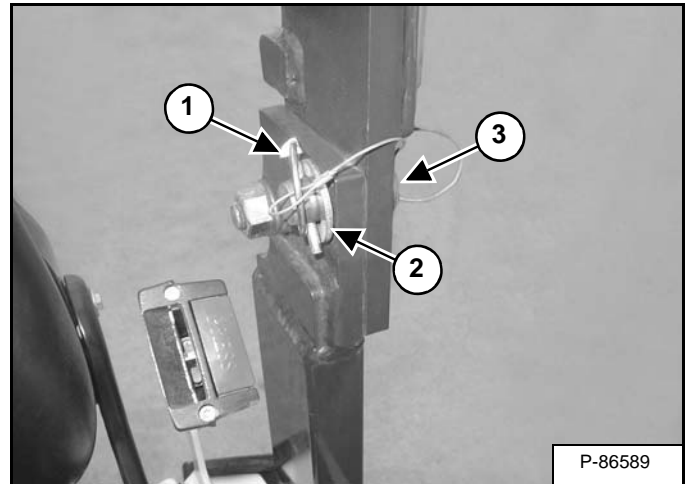
Figure OI-9



The excavator is equipped with a Tip-Over Protective Structure (TOPS) (Item 1) [Figure OI-9].

To Lower the TOPS:

Figure OI-10



Remove the retainer clip (Item 1) and washer (Item 2) [Figure OI-10] (both sides).

Figure OI-11



Securely grasp the TOPS (Item 1) [Figure OI-9] with one hand and remove the pin (Item 3) [Figure OI-10] (both sides) and lower the TOPS (Item 1) [Figure OI-11] to the down position.

TRACK FRAME EXPANSION

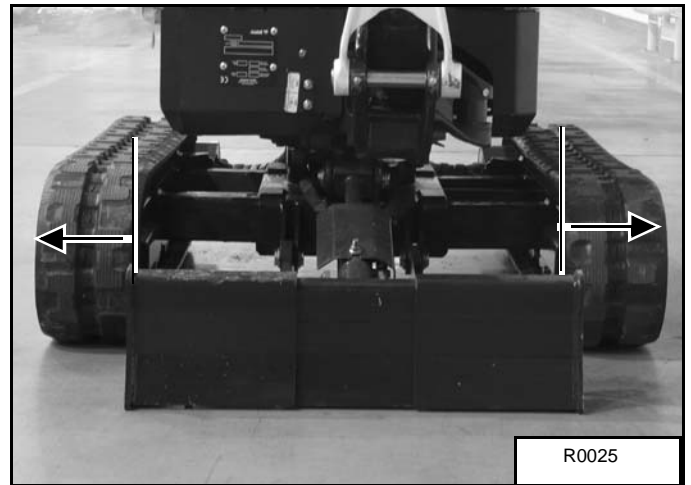
Expanding and Retracting the Tracks

Figure OI-37



The excavator can be operated with the track frame retracted for transport on a trailer or to access narrow areas [Figure OI-37].

Figure OI-38



Expand the track frame [Figure OI-38] for increased digging performance.

IMPORTANT

To prevent wear and damage to the track, always lift the excavator before expanding or retracting the track frame.

I-2193-0599

ATTACHMENTS

Installing and Removing Attachments

WARNING

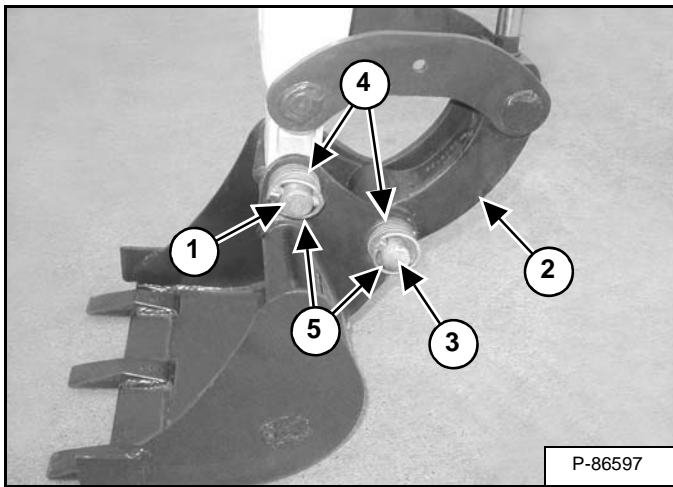
AVOID INJURY OR DEATH

Stop the machine on a firm flat surface. When removing or installing attachments (such as a bucket), always have a second person in the operator's seat, give clear signals and work carefully.

W-2140-0189

Installation

Figure OI-59



Install the arm into the bucket, align the hole, install the pivot pin (Item 1) [Figure OI-59].

Install the link (Item 2) into the bucket, align the hole, install the pivot pin (Item 3) [Figure OI-59].

Install washer(s) (Item 3) [Figure OI-59] as needed.

Install the two retainer pins (Item 4) [Figure OI-59]. Add grease to the pivot pins before operation.

Removal

Park the excavator on flat level ground and put the bucket on the ground.

Remove the retainer pins (Item 5), washers (Item 4) and pins (Items 1 & 3) [Figure OI-59]. Keep the pivot pins clean.

WARNING

AVOID INJURY OR DEATH

Never use attachments or buckets which are not approved by Bobcat Company. Buckets and attachments for safe loads of specified densities are approved for each model. Unapproved attachments can cause injury or death.

W-2052-0907

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TRANSPORTING THE EXCAVATOR

Loading onto Transport Vehicle

When transporting the machine, observe the rules, motor vehicle laws and vehicle limit ordinances. Use a transport and towing vehicle of adequate length and capacity.

Secure the brakes and block the wheels of the transport vehicle.

Align the ramps with the center of the transport vehicle. Secure the ramps to the truck (or trailer) bed and be sure ramp angle does not exceed 15 degrees.

Use metal loading ramps with a slip resistant surface.

Use ramps that are the correct length and width, and can support the weight of the machine.

The rear of the trailer must be blocked or supported when loading or unloading to prevent the front of the transport vehicle from raising.

Determine the direction of the track movement before moving the machine (blade forward). Engage the upperstructure slew lock.

Figure OI-82



Move the machine forward onto the transport vehicle [Figure OI-82].

Do not change direction of the machine while it is on the ramps.

Lower the boom, arm, bucket and blade to the transport vehicle.

Stop the engine and remove the key.

Put blocks under the front and rear of the track shoes.

TAILGATE

Opening and Closing the Tailgate

! WARNING

AVOID INJURY OR DEATH

Never service or adjust the machine when the engine is running unless instructed to do so in the manual.

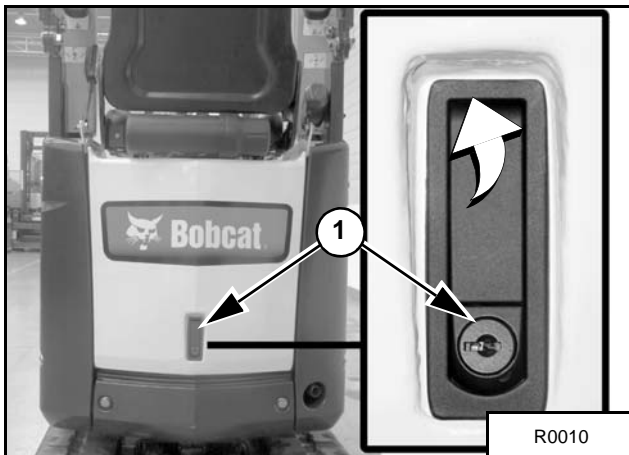
W-2012-0497

! WARNING

Keep the rear door closed when operating the machine. Failure to do so could seriously injure a bystander.

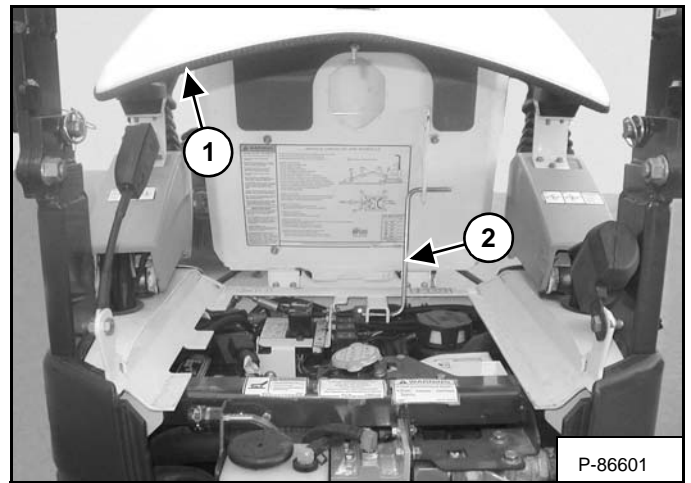
W-2020-1285

Figure PM-7



Release the latch (Item 1) [Figure PM-7] and pull the tailgate open.

Figure PM-8



Raise the tailgate (Item 1) until the rod (Item 2) [Figure PM-8] is in the engaged position.

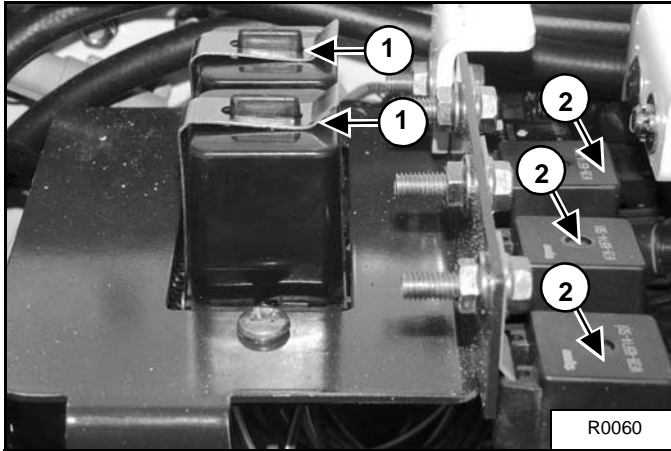
To close the tailgate, lift up slightly on the tailgate (Item 1) until the rod (Item 2) [Figure PM-8] can be moved to the disengaged position. Slowly lower the tailgate until it is completely lowered and in the latched position.

NOTE: The tailgate can be locked using the start key.

ELECTRICAL SYSTEM

Description

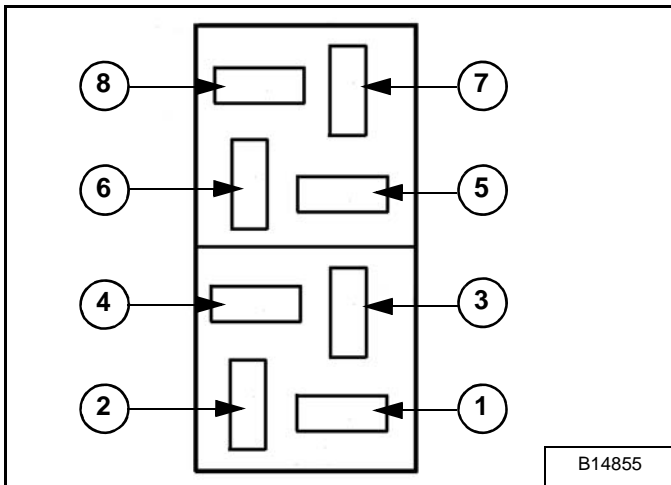
Figure PM-23



The excavator has a 12 volt, negative ground electrical system. The electrical system is controlled by fuses (Items 1) and relays (Items 2) [Figure PM-23] located on top of the engine compartment. The fuses will protect the electrical system when there is an electrical overload. The reason for the overload must be found before starting the engine again.

Fuses

Figure PM-24

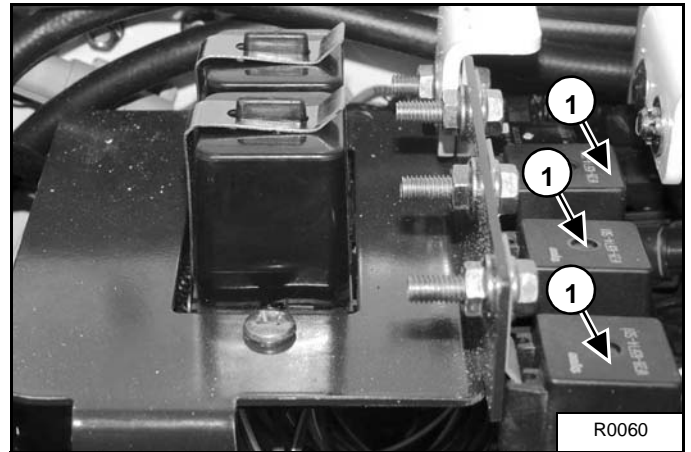


1. Power Socket - 15 A
2. Ignition - 10 A (SW)
3. Timer - 25 A (UNSW)
4. Beacon - 10 A
5. Switch Power - 10 A
6. Valves / Horn - 10 A
7. Switched Timer - 10 A
8. Light - 10 A

Always replace fuses using the same type and capacity.

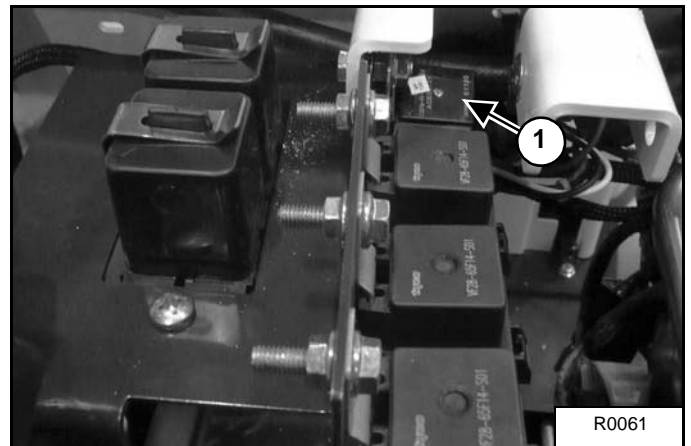
Fuel Timer, Relays and Diode Location / Identification

Figure PM-25



The three electrical relays (Item 1) [Figure PM-25] are located on top of engine compartment. The three relays control the starter, glow plugs and switched power circuits.

Figure PM-26



The fuel shut-off timer (Item 1) [Figure PM-26] is located on top of the engine compartment.

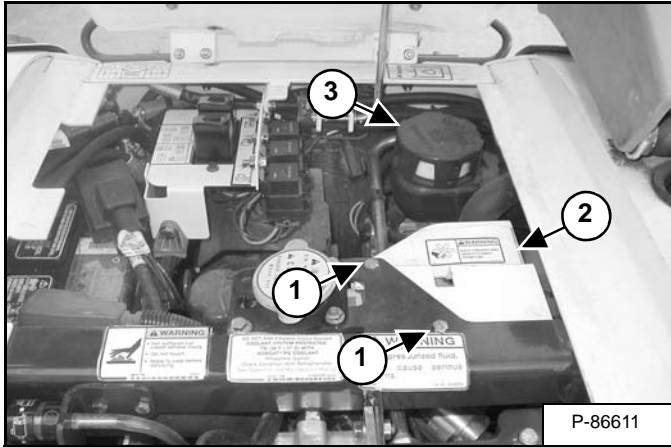
ALTERNATOR BELT

Adjusting the Alternator Belt

Replace the belt if it has stretched or there are cracks in the belt. Replace the pulley if the belt makes contact with the bottom of the groove in the pulley.

Stop the engine.

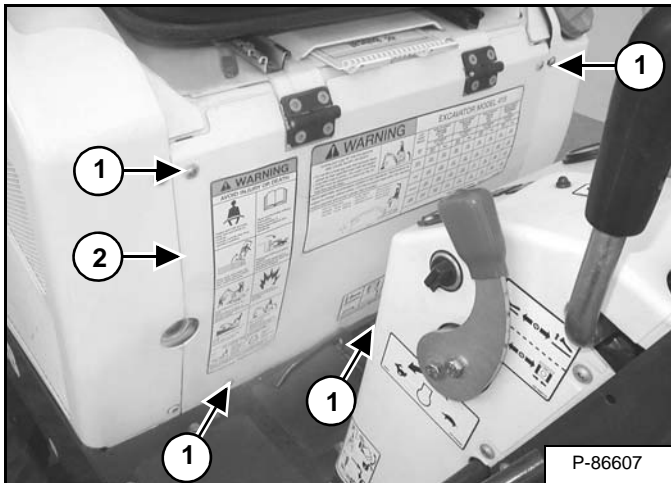
Figure PM-49



Remove the two bolts (Item 1) and remove the fan guard (Item 2) [Figure PM-49].

Remove the fill cap (Item 3) [Figure PM-49] from the hydraulic reservoir.

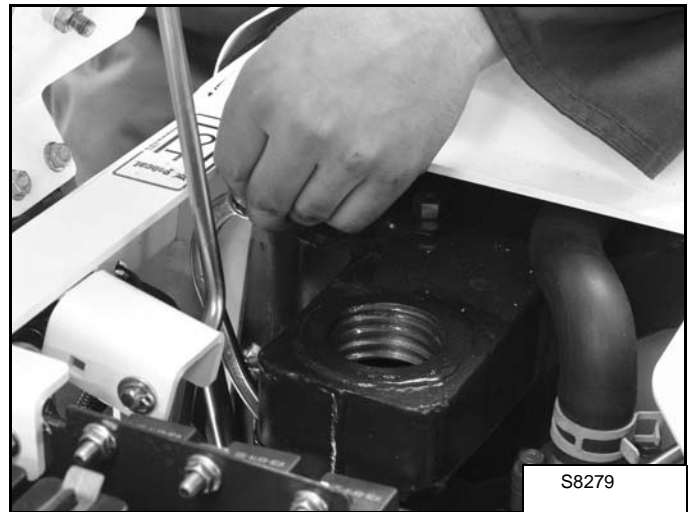
Figure PM-50



Remove the four bolts (Item 1) [Figure PM-50].

Remove the cover (Item 2) [Figure PM-50].

Figure PM-51




Loosen the upper alternator bolt [Figure PM-51].

MACHINE SIGN TRANSLATIONS

DO NOT ADD ETHYLENE GLYCOL COOLANT (6708929) . . .	MST-14
LIFT CHART (7153145)	MST-4
SERVICE SCHEDULE (7153144).	MST-7
WARNING (6576048)	MST-14
WARNING (6589058)	MST-11
WARNING (6808345)	MST-13
WARNING (6808346)	MST-13
WARNING (6804114)	MST-11
WARNING (6804233)	MST-11
WARNING (7135260)	MST-10
WARNING (7151554)	MST-12
WARNING (7153147)	MST-3
WARNING (7161612)	MST-12

**MACHINE SIGN
TRANSLATIONS
(MST)**

WARNING (6589058)

KEY SWITCH PRE-HEAT POSITION	AIR TEMP.	PREHEAT TIME (SECONDS)
	41°F (5°C) and Above	0 - 10
	32°F to 41°F (0° to 5°C)	10
	32°F (0°C) and Below	10 - 30 MAX - 45


SEE OPERATOR'S MANUAL FOR MORE INSTRUCTIONS
WEITERE INSTRUKTIONEN FINDEN SIE IN DER BEDIENUNGSANLEITUNG
CONSULTA EL MANUAL DEL OPERADOR PARA MAS INSTRUCCIONES. SE
REPORTER AU MANUAL DE L'OPERATEUR POUR PLUS ENSEIGNEMENT.

39894 SW 98 6589058

INTERRUPTOR DE LA LLAVE POSICION DE PRECALENTAMIENTO	TEMP. DEL AIRE	TIEMPO DE PRECALENTAMIENTO (SEGUNDOS)
	41°F (5°C) y más	0 - 10
	32° F a 41°F (0° a 5°C)	10
	32°F (0°C) y por abajo	10 - 30 MÁX - 45

CONSULTE EL MANUAL DE OPERACIÓN Y
MANTENIMIENTO PARA OBTENER MÁS
INSTRUCCIONES.

39894 SW 01 6589058 AR

POSITION PRECHAUFFAGE	TEMPERATURE AIR	TEMPS PRECHAUFFAGE (SECONDES)
	5° C et au-dessus	0 - 10
	0° à 5° C	10
	0° C et en-dessous	10 - 30 Max. 45

SE REPORTER AU MANUEL DE L'OPERATEUR ET D'ENTRETIEN POUR
PLUS DE RENSEIGNEMENTS.

39894 DV-99-6589058-FR

WARNING (6804114)

⚠ WARNING

**HIGH PRESSURE GREASE CAN
CAUSE SERIOUS INJURY**

- Do not loosen grease fitting.
- Do not loosen bleed fitting more than 1-1/2 turns.

39894 SW 98 6804114

⚠ ADVERTENCIA

**LA GRASA A ALTA PRESIÓN PUEDE
CAUSAR LESIONES GRAVES**

- No afloje la grasera.
- No afloje el drenaje de la grasera en más de 1-1/2 vueltas.

39894 SW 01 6804114 AR

⚠ AVERTISSEMENT

**LA GRAISSE SOUS HAUTE PRESSION
PEUT CAUSER DES BLESSURES GRAVES**

- Ne desserrez pas le graisseur.
- Ne desserrez pas le purgeur de plus de 1-1/2 tour.

39894 DV-99-6804114-FR

WARNING (6804233)

⚠ WARNING

- Hot pressurized fluid.
- Can cause serious burns.

39894 SW 98 6804233

⚠ ADVERTENCIA

- Fluido presurizado caliente.
- Puede provocar quemaduras graves.

39894 SW 01 6804233 AR

⚠ AVERTISSEMENT

- Liquide chaud sous pression.
- Risque de graves brûlures.

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