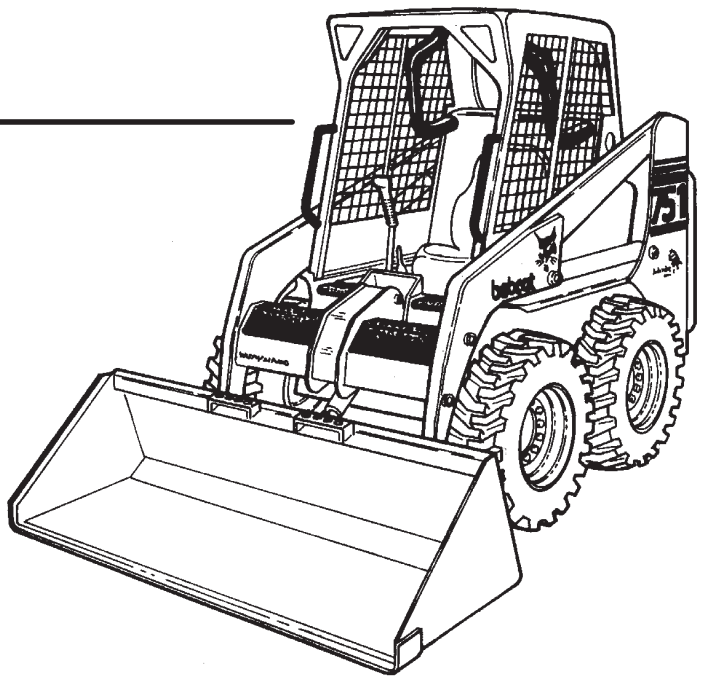
751

Bobcat®

Operation & Maintenance Manual

S/N 515730001 & Above
S/N 515620001 & Above

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EQUIPPED WITH BOBCAT INTERLOCK CONTROL SYSTEM (BICS™)

6900967 (9–00) Revised (6-12)

IR Bobcat

Printed in U.S.A.

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FEATURES AND ACCESSORIES

Model 751 Bobcat loaders are equipped with the following standard items:

Bob–Tach
Spark Arrestor Muffler
Lift Arm Support Device
Operator Cab (with ROPS & FOPS Approval)
Bobcat Interlock Control System (BICS™)
Seat Belt
Seat Bar
Parking Brake
Gauges/Warning Lights
Automatically Activated Glow Plugs
Tires, 10–16.5, 8PR Bobcat Heavy Duty
Adjustable Cushion Seat

Below is a list of some equipment available from your Bobcat Loader dealer as Dealer and / or Factory Installed Accessories. See your Bobcat dealer for other available options, accessories and attachments.

Tires

10–16.5, 8PR Bobcat Heavy Duty
(machine Width – 60 or 66 inches)
31 x 15.5–15, 8PR Ultra Grip Tread
7.50 x 15 Air Boss Segmented Tires
10 x 16.5 Air Boss Segmented Tires
6.5–16 Solid Tires

Operator Cab

Front and Rear Lights
Deluxe Cab Kit
FOPS Kit (Level II)
Top and Rear Cab Windows
Rear Window Wiper
Side Windows
Cab Door
Vinyl Cab Enclosure
Heater Kit
Deluxe Suspension Seat (Cloth or Vinyl)
Horn
Back–up Alarm
Cover Kit (Pedals Area)
Fire Extinguisher
Strobe Light or Rotating Beacon
Flasher Lights Kit
Seat Belt with 3–Point Restraint
3” Seat Belt
Special Applications Kit*

*Includes Lexan Front Door; Top & Rear Windows.

Instrumentation

Deluxe Instrumentation Panel (Includes Keyless Start)
Automatic Shutdown Feature

Hydraulics

Rear Auxiliary Hydraulics
Hydraulic Bucket Positioning (Includes On/Off Selection)

Other

Catalytic Exhaust Purifier
Engine Block Heater
Single Point Lift
Radiator Screen Kit
Tailgate Lock
Tool Box
Counterweight Kit
Dual Attachment Control Kit
G–Series 7–Pin Attachment Control Kit

Specifications subject to change without notice

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HYDRAULIC CONTROLS

Put your feet on the pedals (or footrests) and KEEP THEM THERE any time you operate the loader.

Two foot pedals (or hand controls) (Item 1) **[A]** and **[B]** control the hydraulic cylinders for the lift and tilt functions.

Foot Pedals

Lift Arm Operation [A]
The left pedal controls the lift arms.

Push on the bottom (heel) (Item 2) **[A]** of the pedal to raise the lift arms.

Push on the top (toe) (Item 3) **[A]** of the pedal to lower the lift arms.

Lift Arm Float Position [A]
Push the top (toe) (Item 3) **[A]** of the pedal all the way forward until it locks into the *float* position.

Use the *float* position of the lift arms to level loose material while driving backward.

Push the bottom of the left pedal to unlock from the *float* position.

Tilt Operation [B]
The right pedal controls the bucket.

Push the bottom (heel) (Item 2) **[B]** of the pedal to tilt the bucket backward.

Push the top (toe) (Item 3) **[B]** of the pedal to tilt the bucket forward.

Advanced Hand Controls (If Equipped)

Lift Arm Operation [A]
The left hand lever controls the lift arms.

Move the left hand lever away from the operator (Item 4) **[A]** to raise the lift arms.

Move the left hand lever toward the operator (Item 5) **[A]** to lower the lift arms.

Lift Arm Float Position [A]
Move the left hand leverall the way toward the operator (Item 5) **[A]** until it locks into the *float* position.

Later AHC Models With Float Button
- Press anbd hold the Float Button (Item 6) **[A]** before moving the lever.
- Press again to disengage.

Use the *float* position of the lift arms to level loose material while driving backward.

Move the left hand lever upward to unlock from the *float* position.

Tilt Operation [B]
The right hand lever controls the bucket.

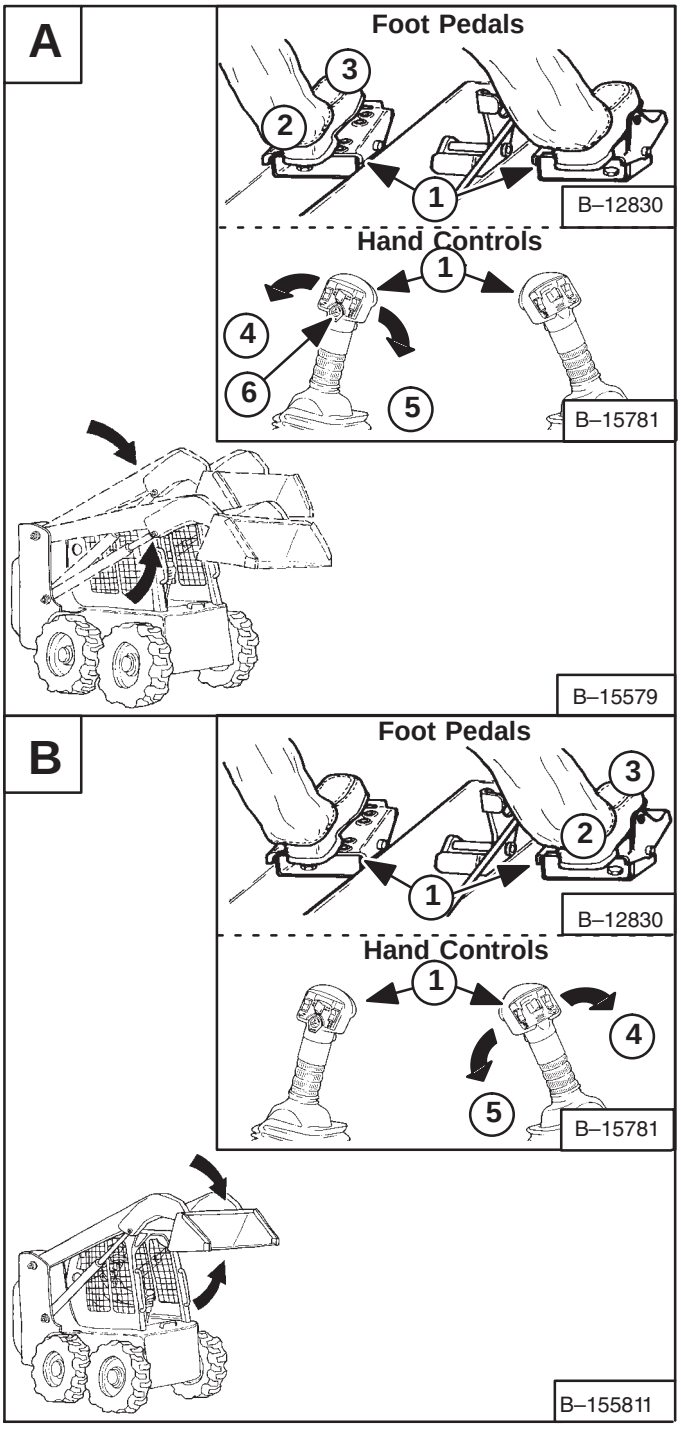
Move the right hand lever toward the operator (Item 5) **[B]** to tilt the bucket backward.

Move the right hand lever away from the operator (Item 4) **[B]** to tilt the bucket forward.

⚠ WARNING

Keep both feet on pedals or footrests while operating machine. Failure to do so can cause serious injury.

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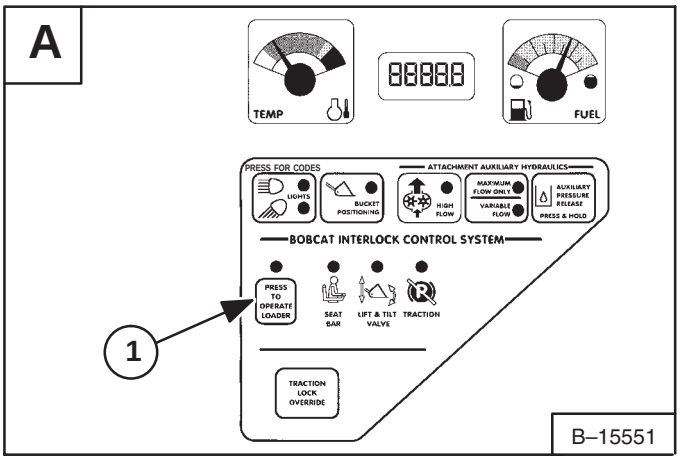
STARTING THE ENGINE (Cont'd)

Deluxe Instrument Panel (Cont'd)

Release the START Button when the engine starts.

Press the PRESS TO OPERATE LOADER Button (Item 1) **[A]** to activate the BICS system and to perform hydraulic and loader functions.

See *Cold Temperature Starting*, Page 22.



⚠ WARNING

AVOID INJURY OR DEATH

- **Engines can have hot parts and hot exhaust gas. Keep flammable material away.**
- **Do not use machines in atmosphere containing explosive gas.**

W–2051–1086

⚠ WARNING

When an engine is running in an enclosed area, fresh air must be added to avoid concentration of exhaust fumes. If the engine is stationary, vent the exhaust outside. Exhaust fumes contain odorless, invisible gases which can kill without warning.

W–2050–1285

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PARKING THE BOBCAT LOADER

Stop the Bobcat loader on level ground.

Lower the lift arms fully and put the attachment flat on the ground **[A]**.

Pull the engine speed control lever all the way backward. Turn the key switch to STOP (*Standard Panel*) *OR* press the STOP Button (*Deluxe Panel*).

⚠ WARNING

Before you leave the operator's seat:

- **Lower the lift arms, put the attachment flat on the ground.**
- **Stop the engine.**
- **Engage the parking brake.**
- **Raise seat bar.**
- ***(Foot Pedal Controls)* Move pedals until both lock.**
- ***(Advanced Hand Controls)* Move the hand controls to the NEUTRAL POSITION to make sure that both lift and tilt functions are deactivated.**
  The seat bar system must deactivate the lift and tilt control functions when the seat bar is up. Service the system if hand controls do not deactivate.

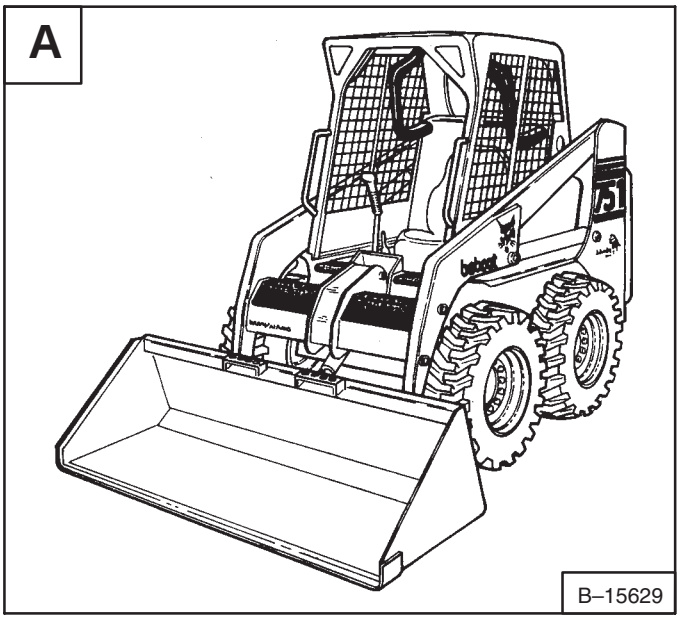
W–2327–0798

Engage the parking brake.

Lift the seat bar and make sure the lift and tilt functions are deactivated.

Unbuckle the seat belt.

Remove the key from the switch (*Standard Panel*) to prevent operation of the loader by unauthorized personnel.



LIFT ARM SUPPORT DEVICE (Cont'd)

Disengaging The Lift Arm Support Device

Remove the pin from the lift arm support device.

Connect the spring (Item 1) **[A]** from the lift arm support device to the bracket below the lift arms.

With the operator in the seat, seat belt fastened and seat bar lowered, start the engine.

Press the PRESS TO OPERATE LOADER button.

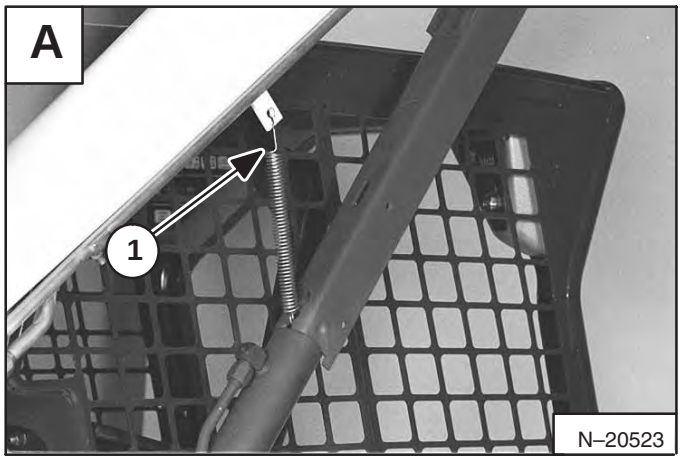
Raise the lift arms a small amount and the spring will lift the support device off the lift cylinder rod. Lower the lift arms. Stop the engine.

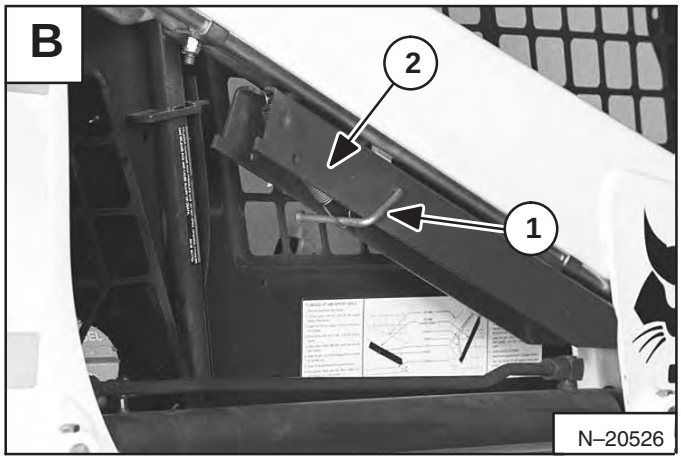
Raise the seat bar. Move the hand controls (if equipped) to neutral position. Move pedals (if equipped) until both pedals lock.

Disconnect the spring from the bracket.

Raise the support device into storage position and insert pin (Item 1) **[B]** through lift arm support device (Item 2)**[B]** and bracket. Connect spring to pin.

Remove jackstands.





HEATER

Filter Cleaning and Maintenance

The heater filters require regular inspection and maintenance. (See *SERVICE SCHEDULE*, Page 39 for intervals.)

Filters

The *Fresh Air Filter* is located below the rear window of the cab (Item 1) **[C]**.

Remove the bolts and remove the filter housing.

Shake the filter or use low air pressure to remove dirt.

Reinstall the filter and housing.

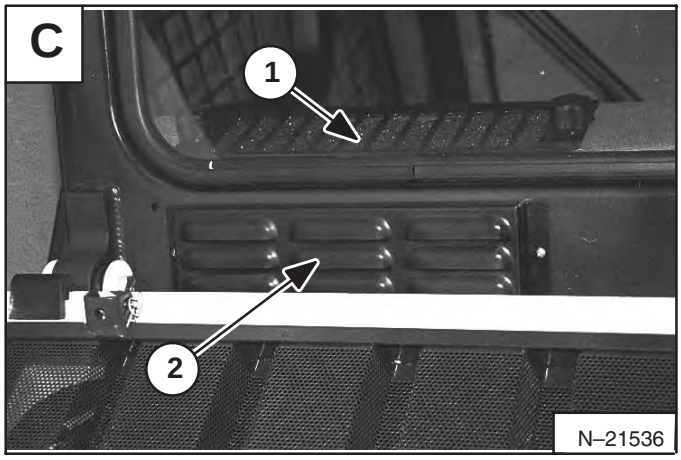
The *Recirculation Filter* is located in front of the rear window inside the cab (Item 2) **[C]**.

Remove the clamping knobs, grill and filter.

Clean the filter with water and mild detergent. Reinstall the filter.

Troubleshooting

If the fan does not run, check the fuse. (See *ELECTRICAL SYSTEM*, Page 56.)



AIR CLEANER SERVICE (Cont'd)

Replacing Filter Element (Cont'd)

Inner Filter

Only replace the inner filter element (Item 1)**[A]** under the following conditions:

- Replace the inner filter element every *third* time the outer filter is replaced.
- After the outer element has been replaced, start the engine and run at full RPM. If the HOURMETER / CODE DISPLAY shows [**01–17**] **(Air Filter Plugged)**, replace the inner filter element.

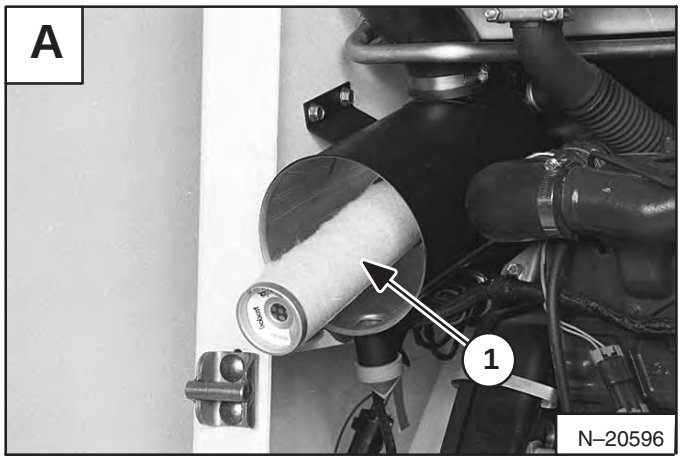
Remove the wing nut and remove the inner filter element (Item 1) **[A]**.

NOTE: Make sure all sealing surfaces are free of dirt and debris.

Install the new inner element.

Install the outer element.

Install the dust cover and the wing nut **[B].**





Removing And Installing The Battery

⚠ WARNING

Batteries contain acid which burns eyes and skin on contact. Wear goggles, protective clothing and rubber gloves to keep acid off body.

In case of acid contact, wash immediately with water. In case of eye contact get prompt medical attention and wash eye with clean, cool water for at least 15 minutes.

If electrolyte is taken internally drink large quantities of water or milk! DO NOT induce vomiting. Get prompt medical attention.

W–2065–1296

Open the rear door.

Disconnect the negative (–) battery cable (Item 1) **[A]**.

Remove the battery hold down clamp (Item 2) **[A]**.

Disconnect the positive (+) battery cable (Item 1) **[B]**.

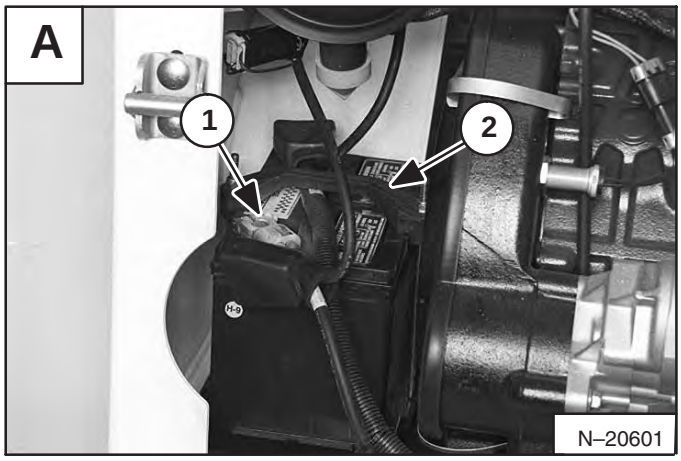
Remove the battery from the loader.

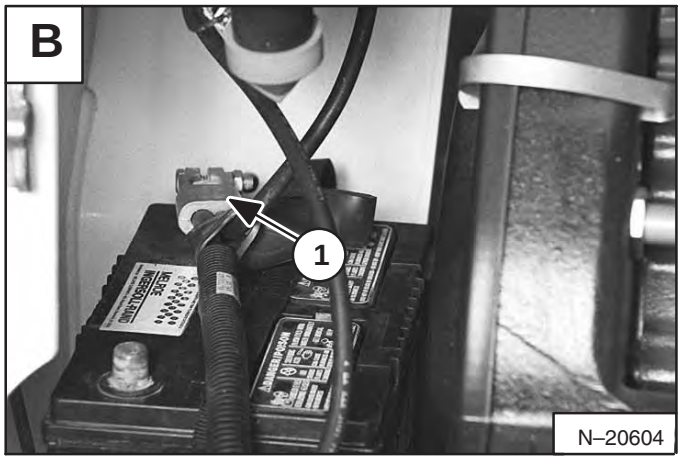
Always clean the battery terminals and cable ends when installing a new or used battery **[C]**.

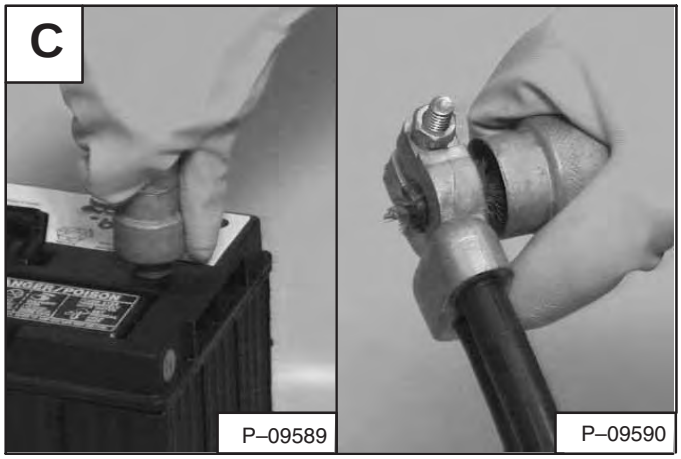
When installing the battery in the loader, do not touch any metal parts with the battery terminals.

Connect the negative (–) cable last to prevent sparks.Connect and tighten the battery cables.

Close the rear door before operating the loader.







BOB–TACH

Inspection and Maintenance

Move the Bob–Tach levers to engage the wedges **[A]**. The levers and wedges must move freely.

The wedges must extend through the holes in the attachment mounting frame (Item 1) **[A]**.

⚠ WARNING

Bob–Tach wedges must extend through the holes in attachment. Levers must be fully down and locked. Failure to secure wedges can allow attachment to come off and cause injury or death.

W–2102–0588

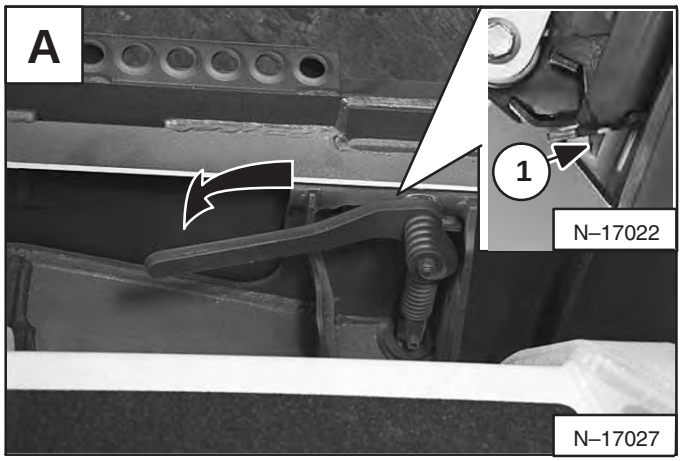
The spring loaded wedge (Item 1) **[A]** must contact the lower edge of the hole in the attachment (Item 1) **[B]** and **[C]**.

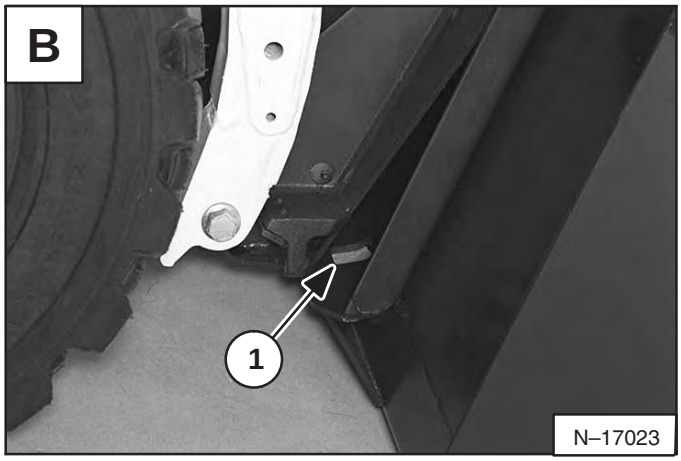
If the wedge does not contact the lower edge of the hole **[B]** and **[C]**, the attachment will be loose and can come off the Bob–Tach.

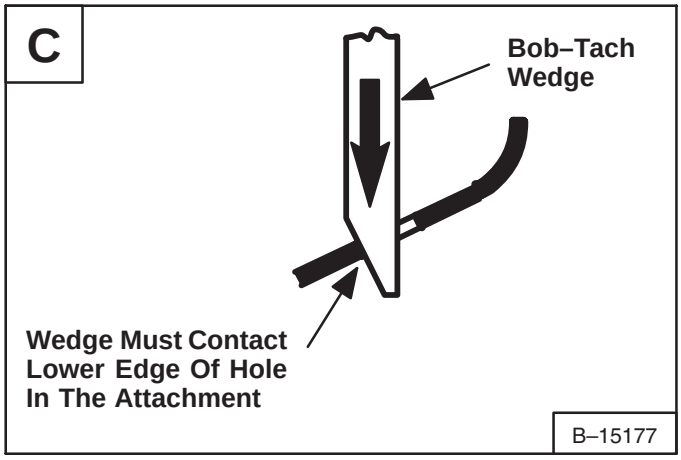
Inspect the mounting frame on the attachment and the Bob–Tach, linkages and wedges for excessive wear or damage **[D]**. Replace any parts that aredamaged, bent, or missing. Keep all fasteners tight.

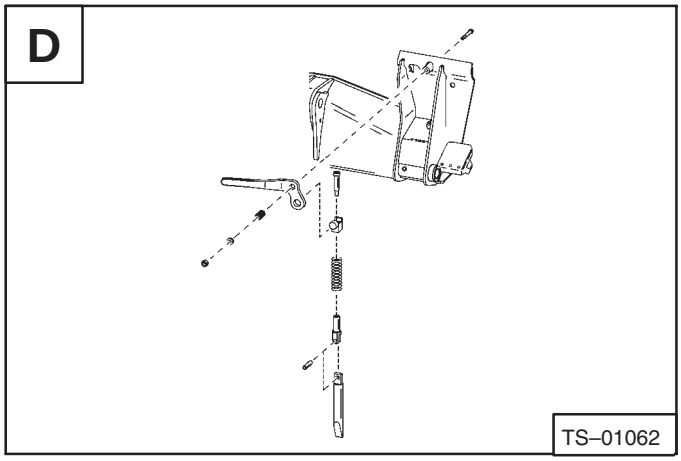
Look for cracked welds. Contact your Bobcat dealer for repair or replacement parts.

Lubricate the wedges (See *SERVICE SCHEDULE*, Page 39 and *LUBRICATION OF THE BOBCAT LOADER*, Page 69).









IMPORTANTE (SPANISH)

ESTA MAQUINA EST A EQUIPADA PORLA FABRICA CON UN AMOR TIGUADOR DE CHISPAS DEL SILENCIADOR, APROBADO POR EL SER VICIO DE SILVICULTURA DEL U.S.D.A. (DEP ARTMENTO DE AGRICULTURA DE LOS ESTADOS UNIDOS).

ES NECESARIO LIMPIAR ESTE AMOR TIGUADOR DE CHISPAS DEL SILENCIADOR PARA MANTENERLO EN BUEN ESTADO. HAY QUE DARLE SER VICIO AL AMORTIGUADOR, VACIANDO LA CAMARA DE CHISPAS CADA 100 HORAS DE FUNCIONAMIENTO.

SI ESTA MAQUINA ESTA DESTINADA PARA TRABAJAR EN BOSQUES, MATORRALES O EN PASTOS QUE PUEDAN INCENDIARSE, ENTONCES TIENE QUE ESTAR EQUIPADA

CON UN AMOR TIGUADOR DE CHISPAS EN EL SISTEMA DEL ESCAPE Y TIENE QUE MANTENERSE EN PERFECTAS CONDICIONES DE TRABAJO. ES NO HACER ESTO CONSTITUYE UNA INFRACCION DE LA LEY ESTATAL DE CALIFORNIA, SECCION 4442, PRC.

REFIERASE A LAS LEYES Y REGULACIONES LOCALES EN CUANTO A LOS REQUISIT OS DEL AMORTIGUADOR DE CHISPAS.

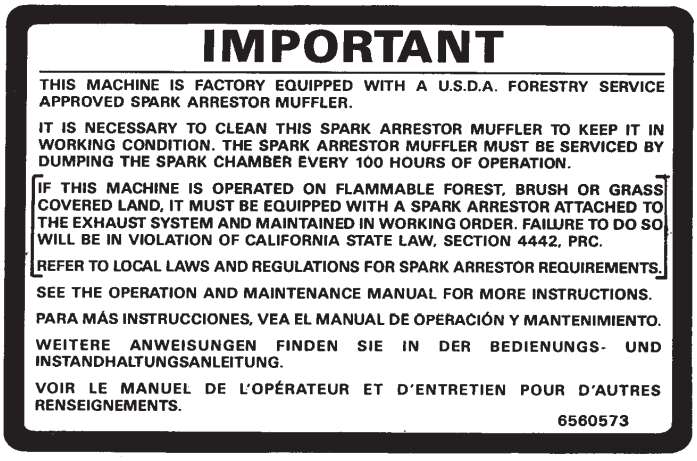
IMPORTANT (FRENCH)

CETTE CHARGEUSE EST EQUIPPEE A LA SORTIE DE L'USINE D'UN SILENCIEUX P ARA–ETINCELLES APPROUVE PAR LE SERVICE DES EAUX ET FORETS DES ETATS–UNIS.

IL EST INDISPENSABLE D'EFFECTUER UN ENTRETIEN REGULIER DE CE P ARE–ETINCELLES AFIN DE LE GARDER EN BON ET AT DE MARCHE. L'ENTRETIEN CONSISTE A VIDER LA CHAMBRE A ETINCELLES TOUTES LES 100 HEURES DE MARCHE.

SI CET ENGIN EST UTILISE SUR UN TERRAIN COUVERT D'ARBRES, DE BROUSSAILLES, OU D'HERBAGES INFLAMMABLES, IL F AUT INSTALLER LE PARE–ETINCELLES ET LE GARDER EN BON ETAT DE MARCHE.

CONSULTER LES REGLEMENT ATIONS LOCALES APPLICABLES.



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