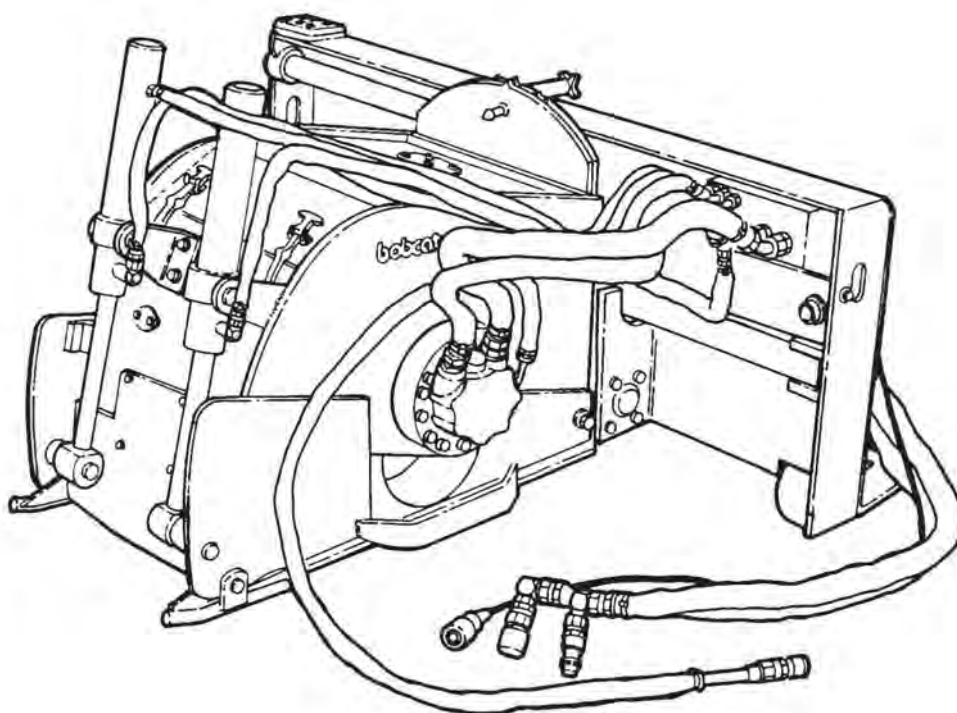




PLANER

(S/N 178100101 & Above)
(S/N 887400101 & Above)
(S/N 052300101 & Above)
(S/N 303600101 & Above)
(S/N 400101001 & Above)
(S/N 400201001 & Above)
(S/N 910200101 & Above)
(S/N 910300101 & Above)
(S/N 341000101 & Above)
(S/N 721700101 & Above)

Service Manual



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MAINTENANCE SAFETY



WARNING

Instructions are necessary before operating or servicing machine. Read and understand the Operation & Maintenance Manual, Operator's Handbook and signs (decals) on machine. Follow warnings and instructions in the manuals when making repairs, adjustments or servicing. Check for correct function after adjustments, repairs or service. Untrained operators and failure to follow instructions can cause injury or death.

W-2003-0903











Safety Alert Symbol: This symbol with a warning statement, means: "Warning, be alert! Your safety is involved!" Carefully read the message that follows.

CORRECT



B-10731a

-  **Never service attachments without instructions. See Operation & Maintenance Manual and Attachment Service Manual.**
-  **Cleaning and maintenance are required daily.**
-  **Never service or adjust attachment with the engine running unless instructed to do so in manual.**
-  **Always lower the attachment to the ground before lubricating or servicing.**
-  **Avoid contact with leaking hydraulic fluid or diesel fuel under pressure. It can penetrate skin or eyes.**
-  **Stop, cool and clean engine of flammable materials before checking fluids.**
-  **Keep body, loose objects and clothing away from moving parts, electrical contacts, hot parts and exhaust.**
-  **Safety glasses are needed for eye protection from electrical arcs, battery acid, compressed springs, fluids under pressure and flying debris or when tools are used. Use eye protection approved for type of welding.**

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MSW30-0805

**Thanks very much for your reading,
Want to get more information,
Please click here, Then get the complete
manual**

JustClickHere 

NOTE:

**If there is no response to click on the link above,
please download the PDF document first, and then
click on it.**

**Have any questions please write to me:
admin@servicemanualperfect.com**



Bobcat®

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**STANDARD
FLOW PLANER**

**HIGH FLOW
PLANER**

**HIGH FLOW 18
AND 24 INCH
PLANER**

**HYDRAULIC
CYLINDER**

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.

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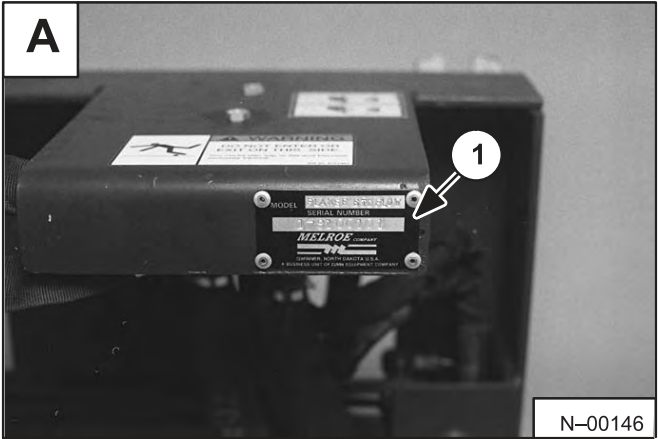
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SERIAL NUMBER LOCATION

(S/N 178199191 & Above)

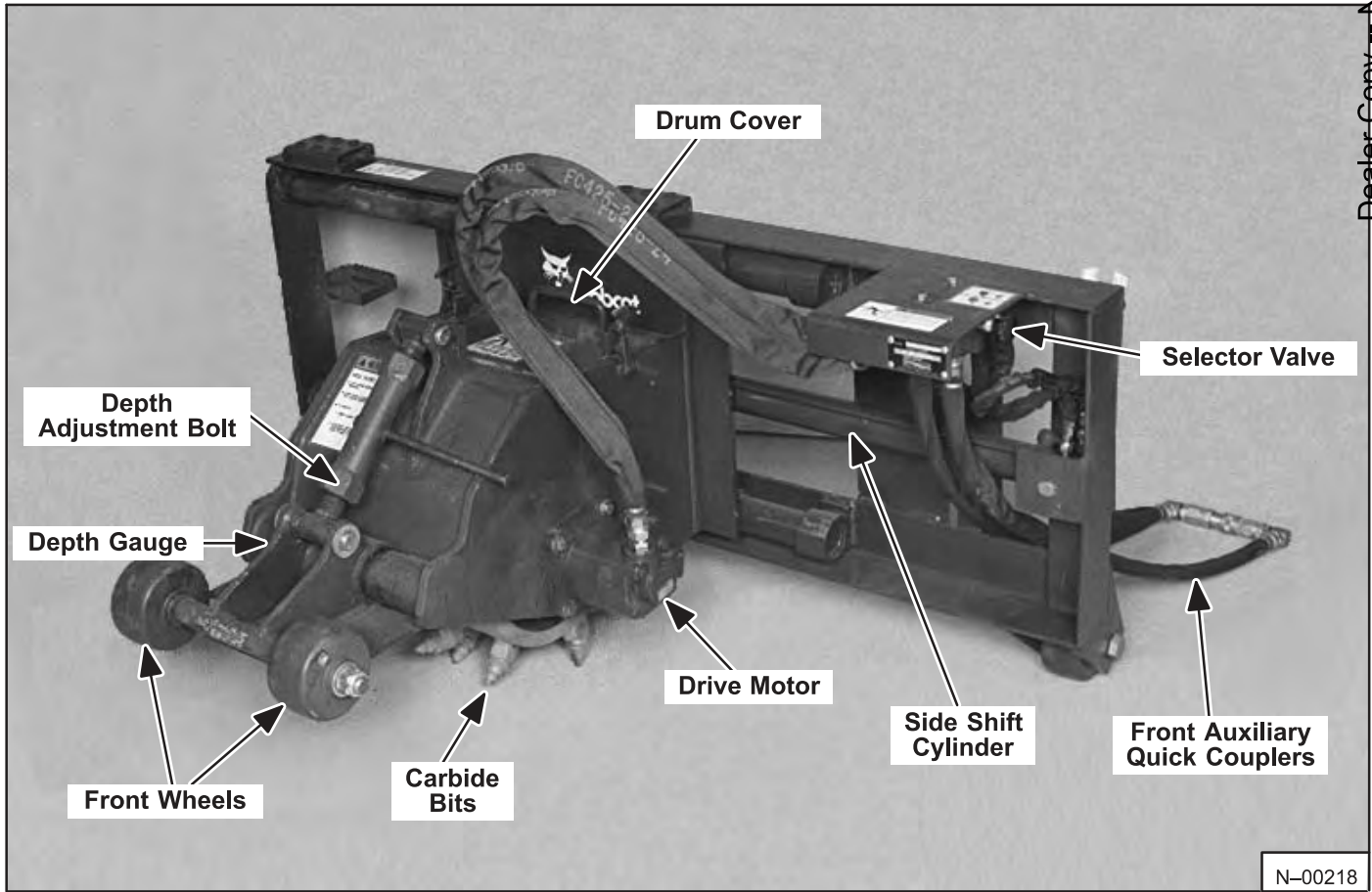
It is important to make the correct reference to the Serial Number of the Bobcat Standard Flow Planer when making repairs or ordering parts. Early or later models (identifications made by serial number) may use different parts, or it may be necessary to use a different procedure in doing a specific service operation **[A]**.

The Standard Flow Planer serial number plate (Item 1) **[A]** is located on the front side of the frame by the selector valve.



PARTS IDENTIFICATION

(S/N 178100101 & Above)



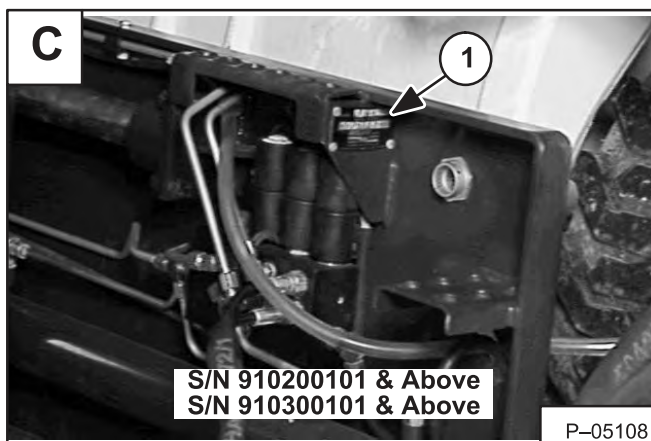
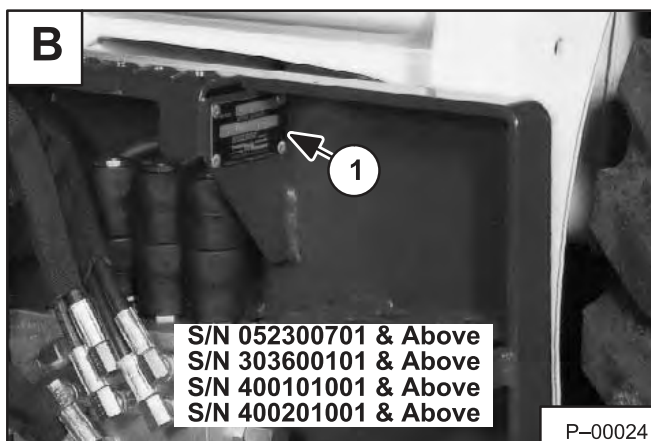
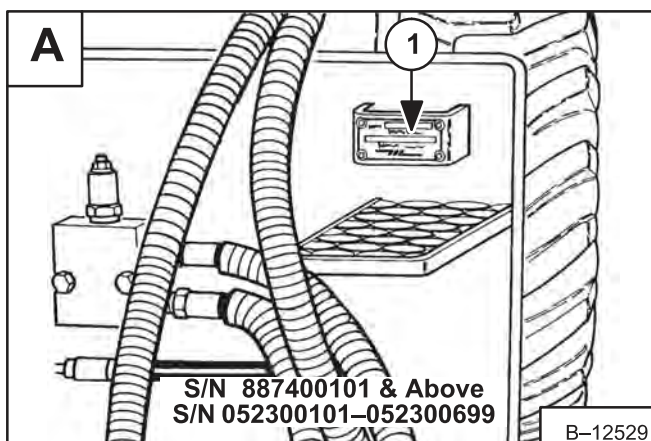
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SERIAL NUMBER LOCATIONS

(S/N 8874001 & Above), (S/N 052300101 & Above), (S/N 303600101 & Above), (S/N 400101001 & Above), (S/N 400201001 & Above), (S/N 910200101 & Above) and (S/N 910300101 & Above)

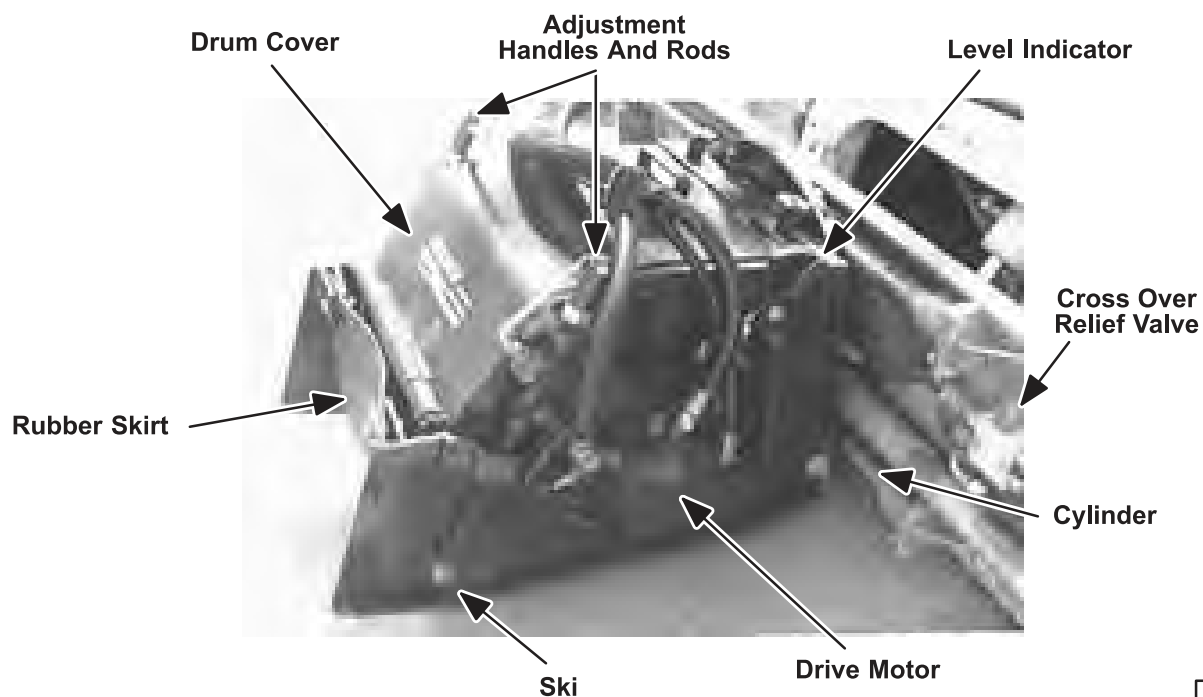
It is important to make the correct reference to the Serial Number of the Bobcat Planer when making repairs or ordering parts. Early or later models (identifications made by serial number) may use different parts, or it may be necessary to use a different procedure in doing a specific service operation [A], [B] & [C].

The Planer serial number plate (Item 1) [A], [B] & [C] is located on the front side of the Planer frame in the upper left corner.



PARTS IDENTIFICATION

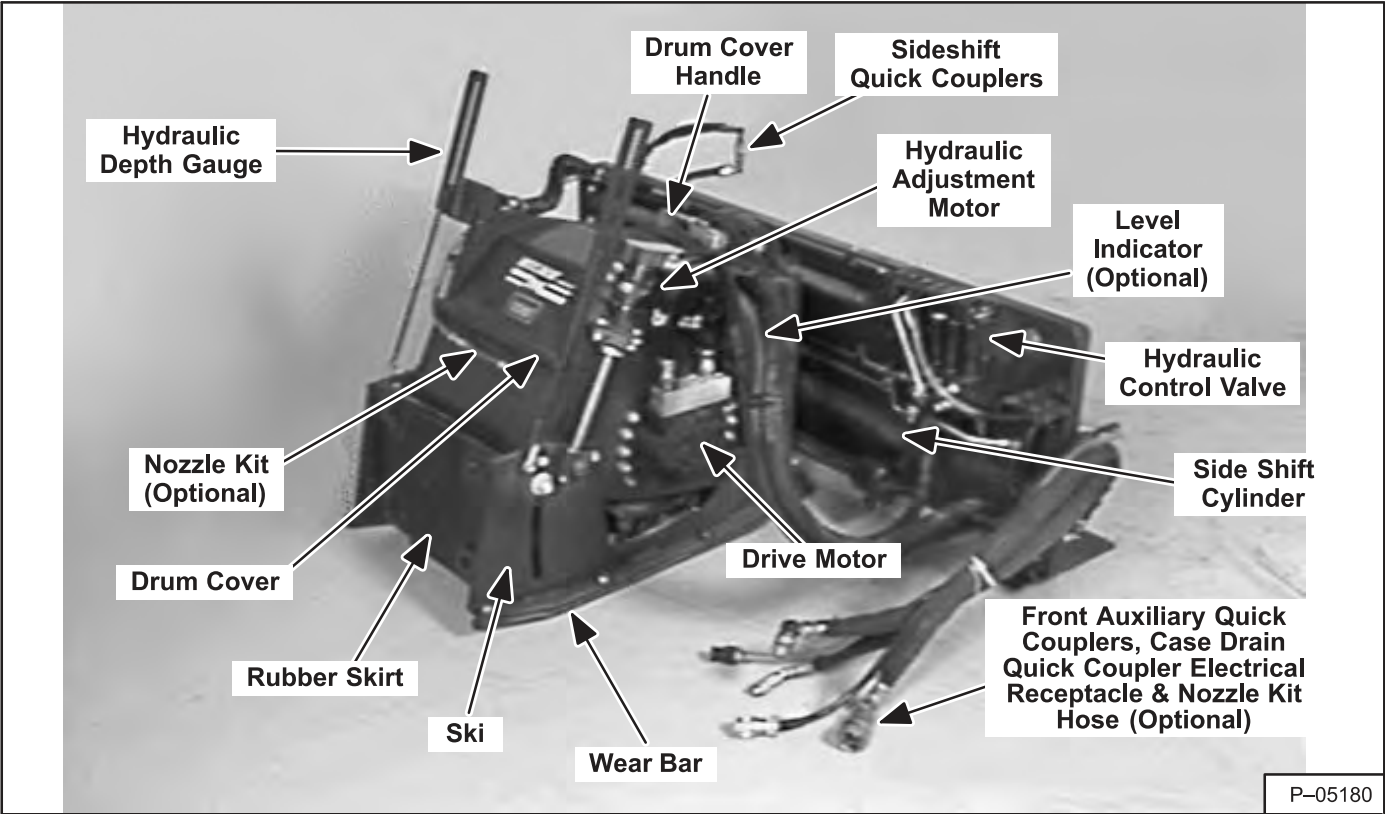
(S/N 887400101 & Above) AND (S/N 052300101–052300699)



PARTS IDENTIFICATION

(S/N 052300701 & Above), (S/N 303600101 & Above), (S/N 400101001 & Above), (S/N 400201001 & Above), (S/N 910200101 & Above) And (S/N 910300101 & Above)

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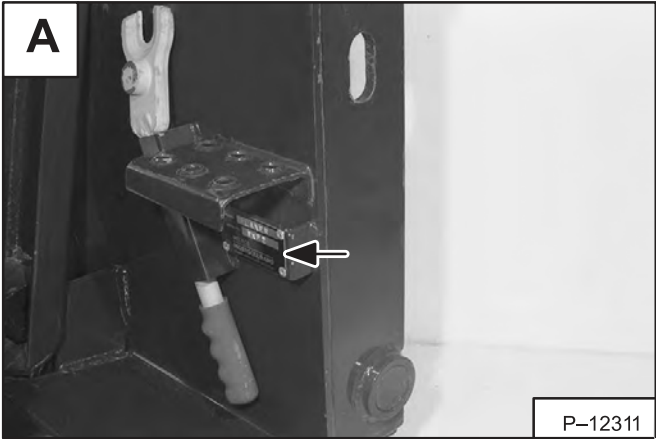


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SERIAL NUMBER LOCATION

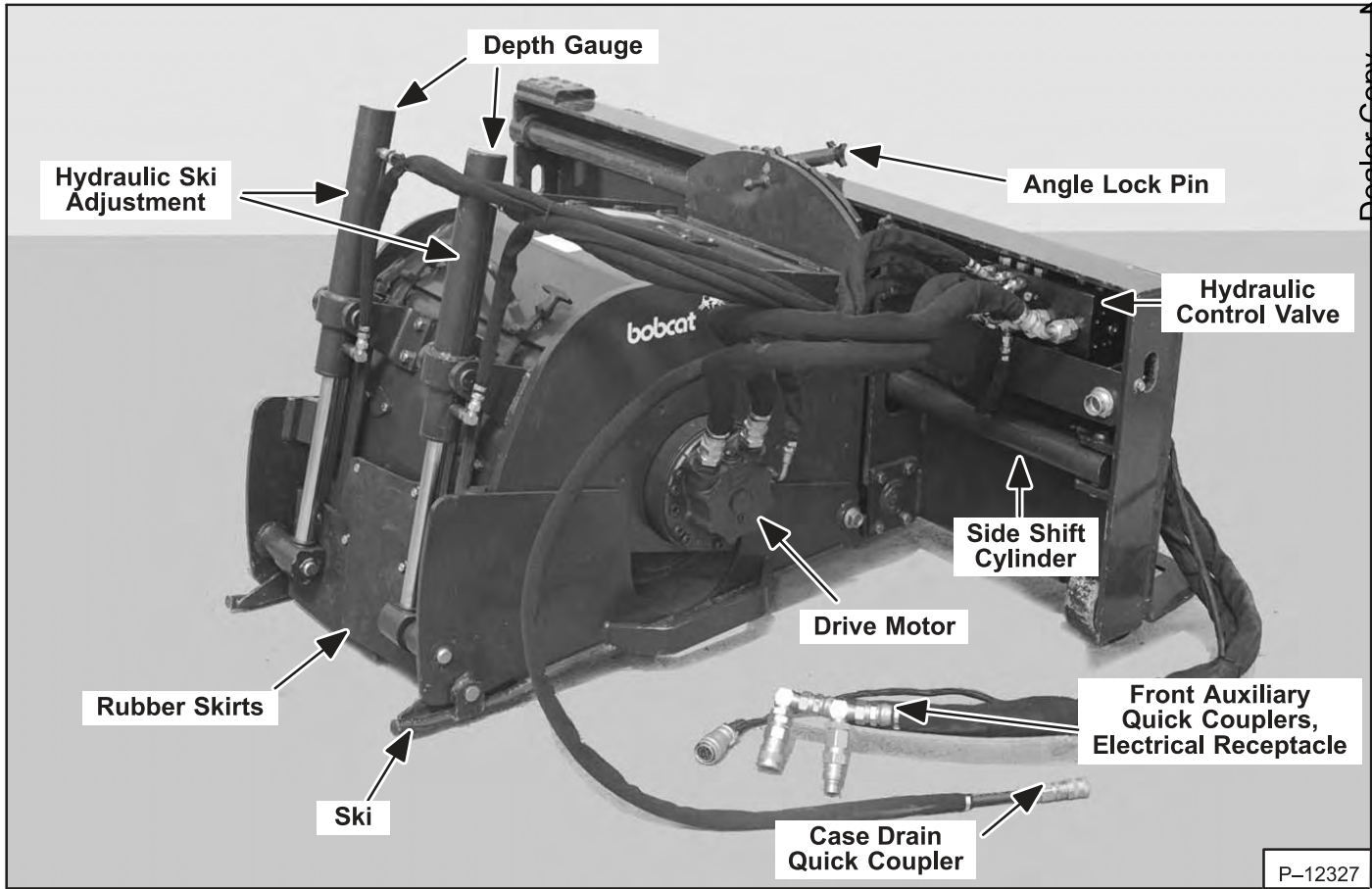
(S/N 341000101 & Above) And (S/N 721700101 & Above)

Always use the serial number of the Planer when requesting service information or when ordering parts. Early or later models (identification made by serial number) may use different parts, or it may be necessary to use a different procedure in doing a specific service operation [A].



PARTS IDENTIFICATION

(S/N 341000101 & Above) And (S/N 721700101 & Above)



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PREVENTIVE MAINTENANCE
STANDARD FLOW PLANER
(S/N 178100101 & Above)

**PREVENTIVE
MAINTENANCE**

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TROUBLESHOOTING



WARNING

Instructions are necessary before operating or servicing machine. Read and understand the Operation & Maintenance Manual, Handbook and signs (decals) on machine. Follow warnings and instructions in the manuals when making repairs, adjustments or servicing. Check for correct function after adjustments, repairs or service. Untrained operators and failure to follow instructions can cause injury or death.

W-2003-0199

If the Planer is not working correctly, check the hydraulic system of the machine thoroughly before making any repairs on the Planer. Planer problems can be affected by a hydraulic system that is not operating to specifications. Connect a flow meter to the loader to check the hydraulic pump output, relief valve setting and tubelines to check flow and pressure. (See your Bobcat loader Dealer or the loader Service Manual for the correct procedure to connect the flow meter.)

Use the following troubleshooting chart to locate and correct problems which most often occur with the Planer.

PROBLEM	CAUSE	CORRECTION
Planer cut is inadequate.	Carbide bits worn or missing. Bits not free to rotate.	Replace the carbide bits. Clean bits shanks.
External oil leaks.	Defective assembly. Damaged O-rings.	Replace O-rings as needed. Check bolt torque.
Planer will not side shift.	Not enough hydraulic flow.	Test loader hydraulics for flow and pressure.
NOISY MOTOR Unloaded Loaded	Leaks.	Check motor
	Vibration; loose bolts.	Check torque.
	Humming; worn bearing.	Replace bearings.
Motor does not rotate.	No flow.	Check pump drive and pump inlet.
	No pressure.	Valves damaged or corroded.
	Excessive leakage.	Check condition of motor.
	Loader hydraulic pump not working.	Repair or Replace as needed.
Planer motor does not turn at normal speed.	Not enough flow.	Check pump flow and rotation speed. Check diverter valve.
Planer motor doesn't turn.	Internal leaks.	Check motor
	Pressure too low.	Check relief valve setting.
Motor turns irregularly.	Leaks	Check motor and selector valve.
	Irregular flow.	Check pump flow.
	Internal leaks.	Check motor.

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LUBRICATING THE PLANER

Lubricate the Planer with a high quality lithium base grease every 8–10 hours of operation at the following locations:

Each front wheel (Item 1) **[A]**.

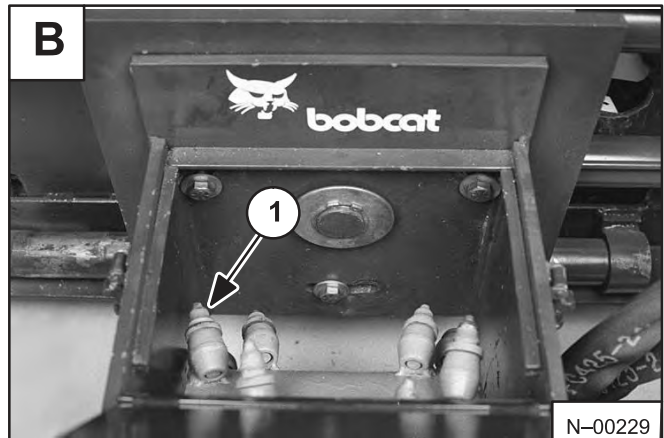
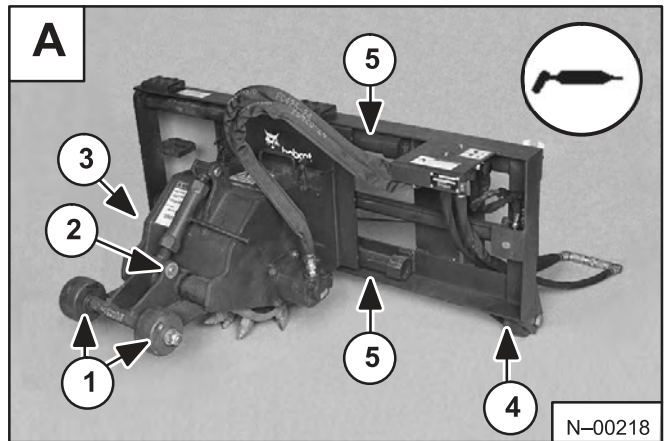
Lower bushing (Item 2) **[A]** on the wheel adjustment bolt.

Cutter wheel idle bearing (Item 3) **[A]**.

Each rear wheel (Item 4) **[A]**.

The side shift rods (Item 5) **[A]**.

Inspect the bits (Item 1) **[B]** every 8–10 hours of operation for wear. The bits must turn freely in the holders.



DRUM

Dozer Blade Mount Inspection

Lower the lift arms fully and tilt the Bob-Tach forward until the Planer rests on the work surface.



WARNING

AVOID INJURY OR DEATH

DO NOT open cover while running. You could be drawn into the machine.

W-2181-0395

Stop the engine and exit the loader.

Lift the rubber latches (Item 1) [A] to open the cover.



WARNING

Wear safety glasses to prevent eye injury when any of the following conditions exist:

- When fluids are under pressure.
- Flying debris or loose material is present.
- Engine is running.
- Tools are being used.

W-2019-1285

If any bit does not rotate freely, tap the holder to loosen dirt or foreign particles from the bit.

The tool listed (which is stored on the Planer frame), is used for the following procedure:

MEL1302 – Bit Removal and Installation Tool

Install the tool on the flange as shown, and use a hammer to free the bit from the holder [B].

Put the tool on the bit as shown, and use a hammer to install the bit in the holder [C].



WARNING

Do not strike the cutter bit with a hammer. The hard bit can shatter and cause serious injury. Use the correct bit installation tool.

W-2114-1191



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