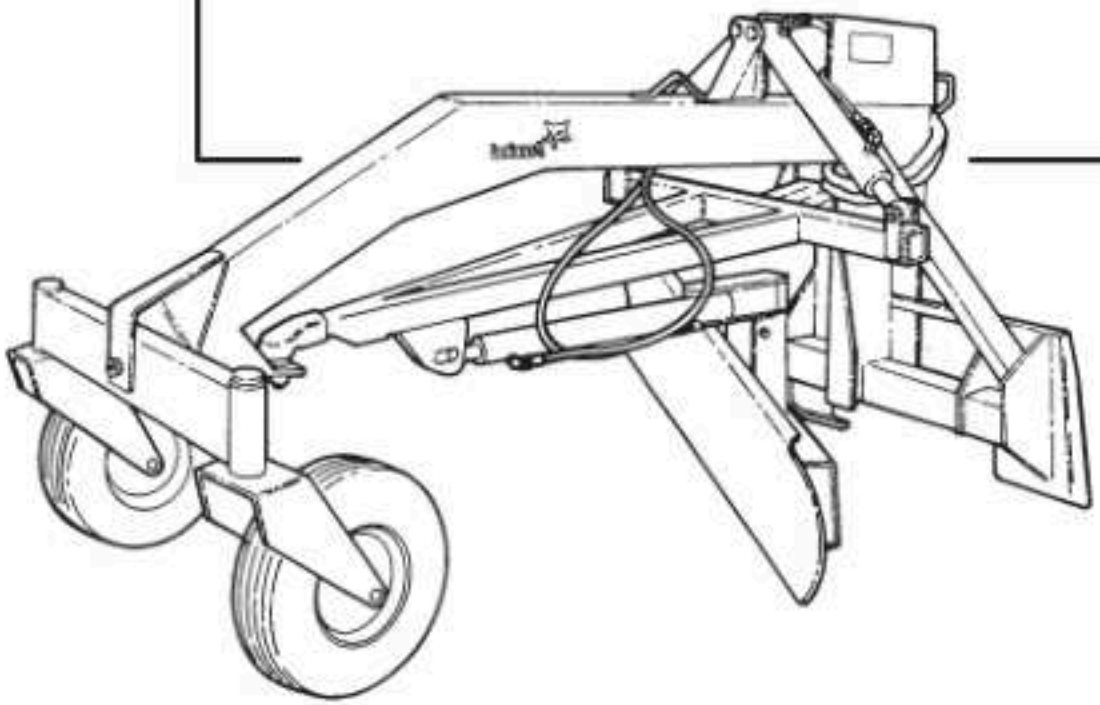
GRADER

Service Manual

S/N 231511101 & Above
S/N 378700101 & Above
S/N 802700101 & Above



Bobcat

6900885(7-00)

Printed in U.S.A.

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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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Torque Specifications

Always clean and dry the threads on the cylinder rod and the piston nut. ***Do not oil the threads***. Use a new piston nut when available. Always use the correct nut part number shown below. When a nut is reused, thoroughly clean the pre applied locking agent from the nut. Apply thread adhesive (LOCTITE 242).

To determine the proper tightening torque, find the piston nut part number or thread diameter, shaft diameter and piston material. Measure the thread diameter to find the nut part number.

When servicing an older cylinder that uses a pre–torque nut, clean the threads and apply thread adhesive (LOCTITE 242).

Torque Chart

Thread Diameter	Nut Wrench Size	Shaft Diameter	Piston Material	Torque Ft.–lbs.	Torque Nm
0.625	15/16	1.000/1.250	Iron/Steel	Aluminum 90	122
90.750	1–1/8	1.000	Iron/Steel	Aluminum 105	142
0.750	1–1/8	1.250/1.500	Iron/Steel	Aluminum 180	244
0.875	1–5/16	1.250	Iron/Steel	300	407
0.875	1–5/16	1.375	Aluminum	250	339
0.875	1–5/16	1.750	1.375/1.500 Iron/Steel	350	475
1.000	1–1/2	1.500	Iron/Steel	400	542

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CASTER WHEEL (S/N 378700101 & Above)

Removal And Installation

To remove the caster wheel assembly, use the following procedure:

Lower the moldboard to the ground so the caster wheel is about 10 inches off the ground.

Engage the parking brake.

Remove the dust cap **[A]**.



Remove the cotter pin **[B]**.



Remove the castle nut and washer **[C]**.

Remove the caster wheel assembly.

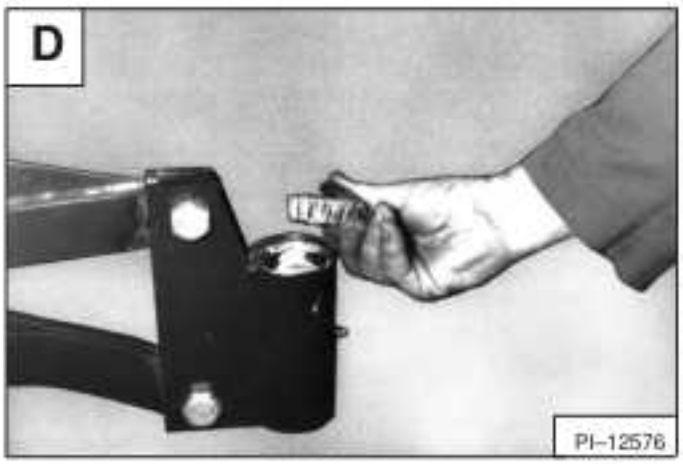


Remove the washer and top bearing **[D]**.

Remove the bottom seal and bearing.

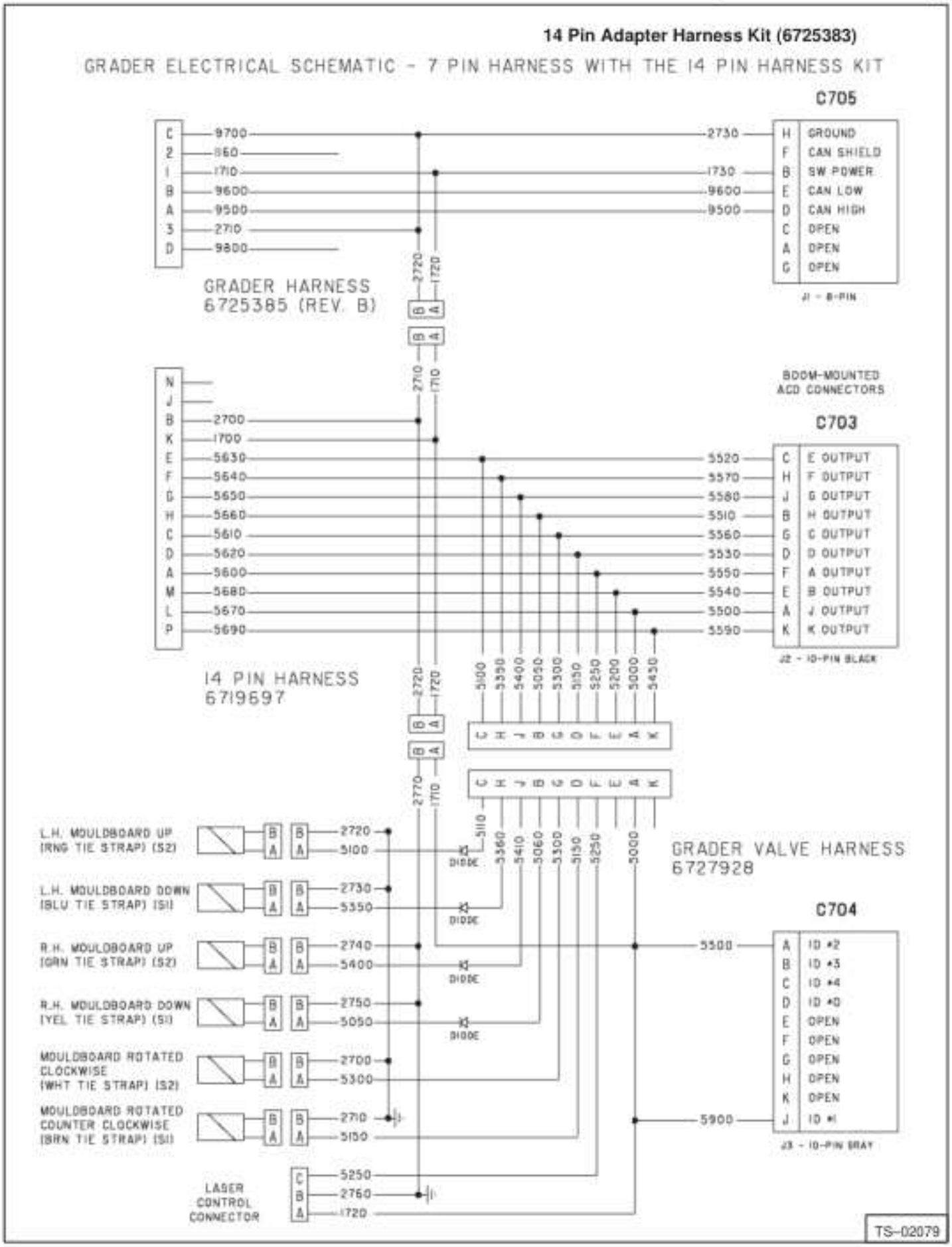
Clean and check all the parts for wear and replace as needed.

Always install a new seal before installing the caster wheel assembly.



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