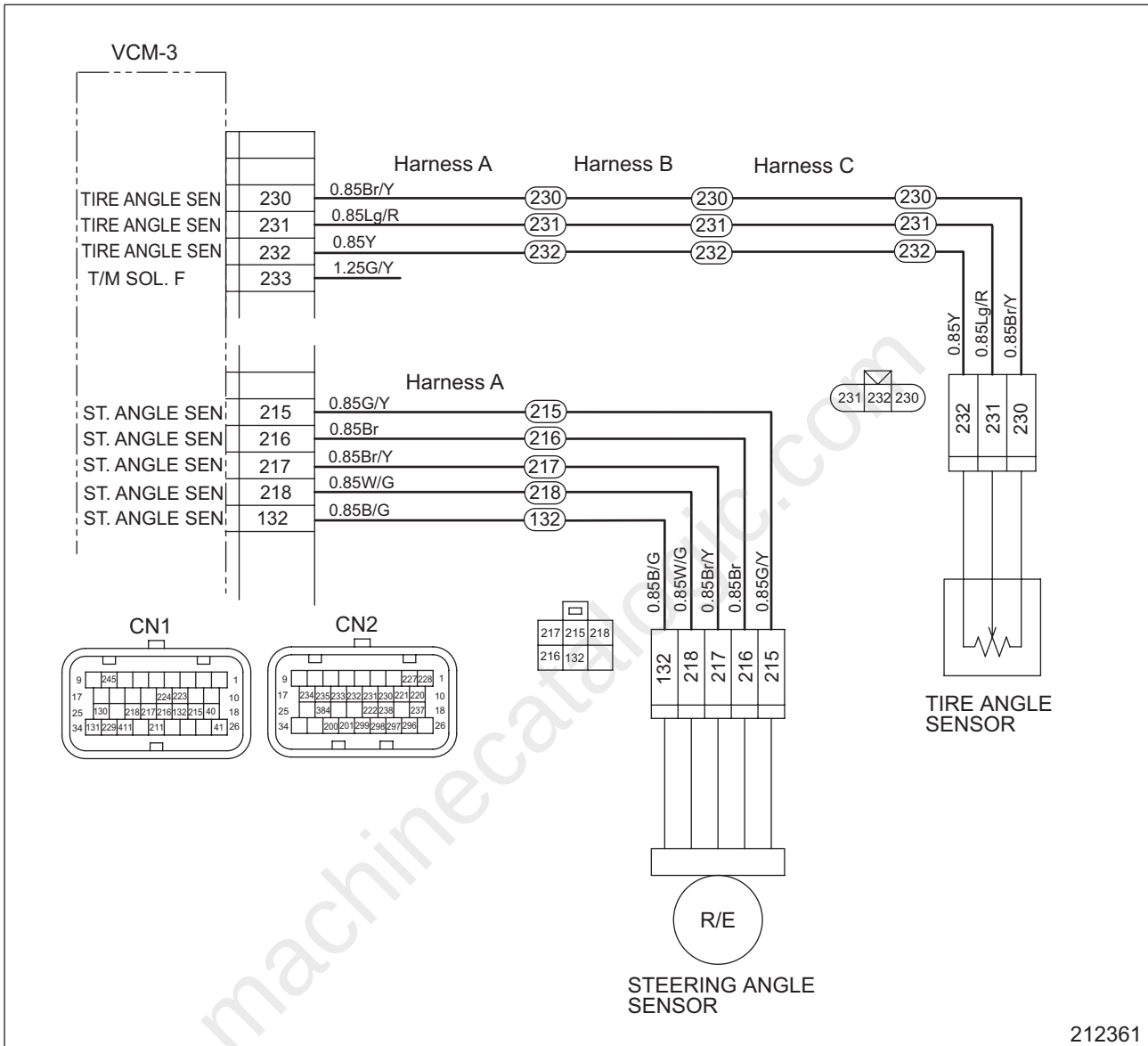




Service Manual

Chassis, Mast & Options

DP100N	T36A-10011-up
DP120N	T37A-10011-up
DP135N	T38A-10011-up
DP150N	T39A-10011-up
DP160N	T40A-10011-up



(3) Tapered roller bearing

Do not remove the outer race unless it is to be replaced with a new one.



When replacing the tapered roller bearing, the outer race and the inner race should be replaced as a set.

(4) Lower cover of the steering knuckle

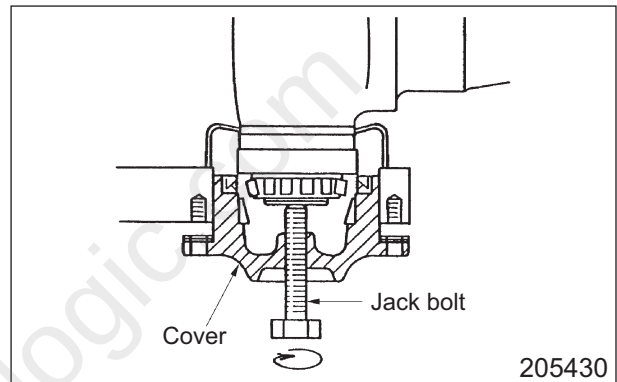
(a) Prepare a jack bolt.

Jack bolt	Nominal diameter	16 mm (0.63 in.)
	Pitch	1.5 mm (0.059 in.)
	Thread length	100 mm or more (3.94 in. or more)

(b) Remove the plug at the center of the cover.

(c) Remove six (6) cover fixing bolts.

(d) Drive-in the jack bolt into the plug hole to pull the cover out.



4.3 Reassembly

To reassemble, follow the disassembly sequence in reverse and observe the following.

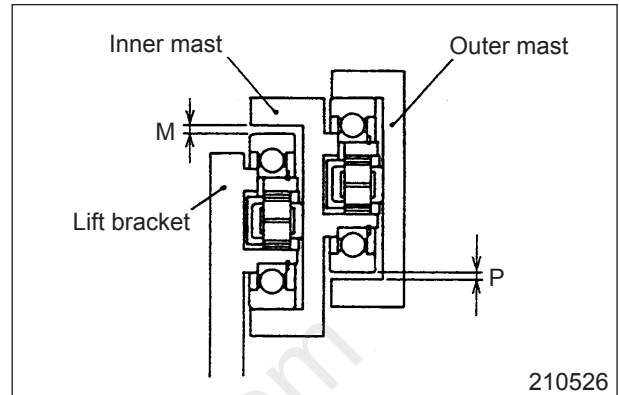
1. Front and rear clearance between mast and lift bracket

- (1) Select and assemble the main roller in an appropriate manner in order that the clearances P and M are within the dimensions as shown below throughout the height range.

P and M, clearances between main roller and rolling surface	0.5 to 2.8 mm (0.02 to 0.11 in.)
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If the specified value can not be achieved, replace the main roller.

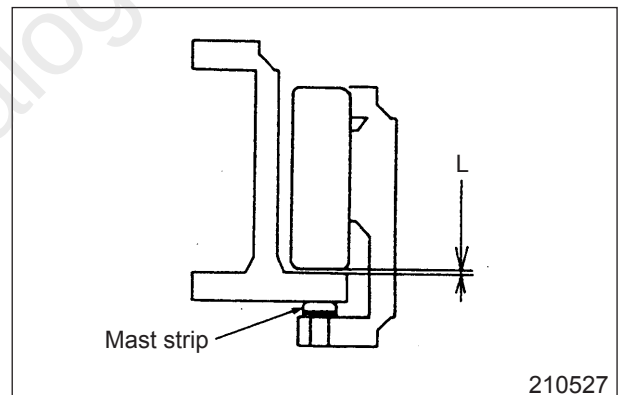
Main roller size	S	203 mm (7.99 in.)
	M	205 mm (8.07 in.)
	L	207 mm (8.15 in.)



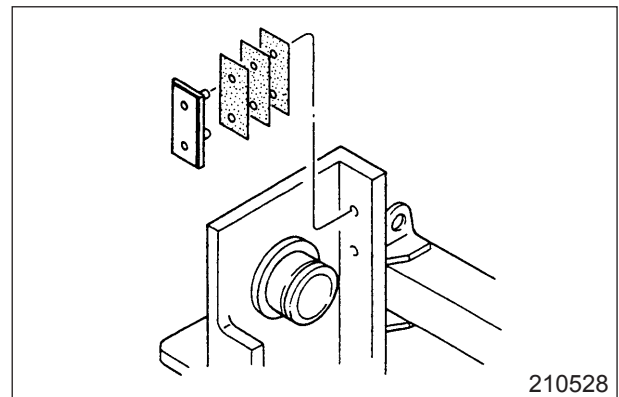
2. Installing mast trip

- (1) Install to make the front and rear clearance between outer and inner masts within the specified dimension at the maximum height range.

Clearance L	0.5 to 1.5 mm (0.02 to 0.06 in.)
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- (2) If the clearance of mast strip (L) is not within the specified value, adjust with the shims.



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Caterpillar DP100N Forklift Service Manual (99799-63100)

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