

# SERVICE BULLETIN

## CAB SERVICE & PARTS CORPORATION

#15

SUBSIDIARY OF  
CHECKER MOTORS  
CORPORATION

NEW YORK \* BROOKLINE  
CHICAGO \* DETROIT

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Subject: STEERING - MODEL A-9

Description: STEERING GEAR MAINTENANCE

The following are suggested maintenance procedures for the new type Gemmer Gear Steering Assembly.

### 1. PRELIMINARY INSPECTION

- a. Jack up front of car.
- b. Inspect for looseness (ball joints, tie rods, etc.). This may be the cause of steering complaints.

### 2. WORM BEARING ADJUSTMENTS

- a. Disconnect drag link.
- b. Remove steering worm cover shim by loosening 1/8" cover screws.
- c. Remove one steering worm shim at a time between inspections to remove end play. (Use a knife to separate top shim.)
- d. Revolve steering wheel to check for stiffness in post. (If stiffness exists, too many shims have been removed or gear is misaligned in car.)

### 3. CORRECTION OF GEAR MISALIGNMENT

- a. Loosen frame bracket bolts to allow gear box to shift in frame to line up with steering column bracket.
- b. Retighten frame bracket bolts.
- c. Loosen steering column bracket under dashboard to allow column to shift and line up with gear box position.
- d. Retighten steering bracket under dashboard.

continued. . . . .

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4. INSPECTION FOR PROPER MESH OF SHAFT ROLLER WORM

- a. With column adjustment and gear alignment correct, center steering post.
- b. Bring center steering wheel spoke straight down at nearest center position of the steering post's turning limits.
- c. Free play should not exceed 1/32" at pitman arm.

5. ADJUSTMENTS OF ROLLER SHAFT MESH IN WORM

- a. Center steering post, remove roller shaft adjustment screw lock nut.
- b. Slide lock plate far enough to clear lock boss on roller shaft cover. (Drag link previously disconnected.)
- c. Tighten roller shaft adjustment screw to remove play between roller shaft, roller tooth and worm gear. (1/32" play at pitman arm should be left.)
- d. Reposition slide lock plate and reinstall adjusting screw lock nut.

6. LUBRICATION

- a. Remove oil filler plug and vent hole cover.
- b. Fill with approved lubricant.
- c. Replace oil filler plug and vent hole cover.

By: NEW YORK SERVICE DEPARTMENT