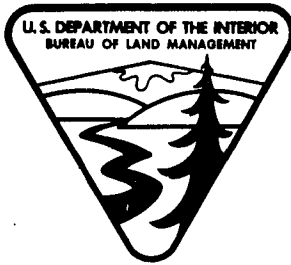


TIN-50

DSC

Filing Code 1525 (P-401)

Date Issued July 1971



TECHNICAL NOTE

U.S. DEPARTMENT OF THE INTERIOR - BUREAU OF LAND MANAGEMENT

1970 AND 1971 INTERNATIONAL HARVESTER
CLASS 105 CARRYALL STEERING DEFICIENCY

Steering difficulties are being experienced on Class 105, IHC, carryall trucks.

The prime cause appears to be inadequate spring capacity. They deflect excessively under light loads, thereby upsetting the castor and camber positions of the front axle.

The Willamette National Forest has made a step-by-step check of the problem. Their effort has resulted in the development of a satisfactory fix. The fix consists of the following modifications:

1. Add two 1/4" x 2-1/2" x 45-1/2" spring leaves to each rear spring. These leaves are to be positioned immediately below the main leaf.
2. Add one 1/4" x 2-1/2" x 45-1/2" leaf to each front spring. Position this leaf immediately below the main leaf.
3. Replace front shocks with heavy duty action shocks. Monroe shock, #6062, works effectively.
4. Set steering worm gear with slight preload (no end play).
5. Set sector shaft (pullover should read five pounds on steering wheel scale).
6. Set front axle as follows:

<u>Setting</u>	<u>LH Side</u>	<u>RH Side</u>
Camber	+3/8°	0°
Castor	+1-1/2°	+1-1/2°

Those offices having this model equipment on assignment from the General Services Administration should contact the appropriate Motor Pool Chief for advice and assistance.

Courtesy USDA-FS