

**Fig. 40—Incorrect Tooth Contact Pattern (Increase Spacer Thickness)**

made during disassembly. Tighten clamp screws to 170 inch-pounds (22 Newton-metres).

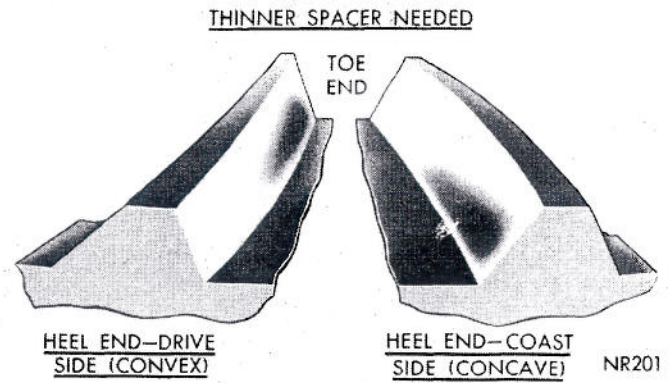
(6) On 7-1/4 inch axles install new axle shaft inner oil seals using Tool C-3734. Position new gaskets on brake support plates and carefully slide axle shafts into housing. Install and tighten retainer plate nuts to 35 foot-pounds (49 Newton-metres).

(7) On 8-1/4 inch and 9-1/4 inch axles carefully slide axle shafts in place, install the "C" washers in recessed grooves of axle shafts, pull outward on each shaft so "C" washers seats in counterbore of differential side gear.

(8) Install differential pinion shaft through case and pinions, aligning hole in shaft with lock screw hole. Install lock screw and tighten to 100 inch-pounds (12 Newton-metres).

(9) Scrape any gasket material from housing cover and thoroughly clean surface with mineral spirits or equivalent and dry completely. Apply a 1/16 inch to 3/32 inch bead of MOPAR Silicone Rubber Sealant, Part No. 3683829 or equivalent (Fig. 13) along the bolt circle of the cover.

Allow sealant to cure while cleaning carrier gasket flange with mineral spirits or equivalent. Dry surface completely. Install cover on axle and torque cover screws to 250 inch-pounds (32 Newton-metres). Be-



**Fig. 42—Incorrect Tooth Contact Pattern (Decrease Spacer Thickness)**

neath one of the cover screws, install the ratio identification tag.

If for any reason cover is not installed within 20 minutes after applying sealant, old sealant should be removed and new bead installed.

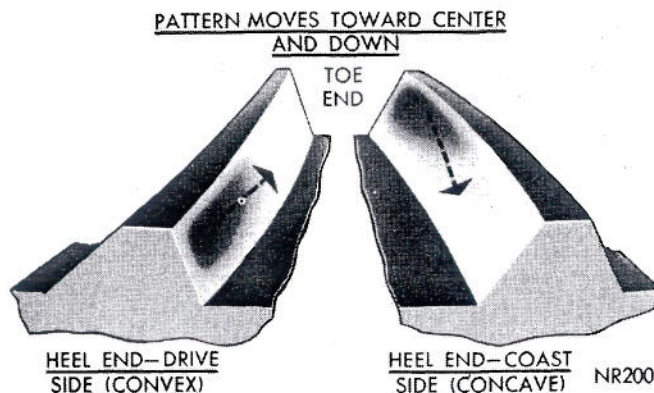
(10) Install brake drums and wheel and tire assemblies. Tighten wheel nuts to 85 foot-pounds (115 Newton-metres) in proper sequence (Fig. 14). Remove block from brake pedal.

(11) Raise rear hoist and remove stands. Raise or lower hoist so vehicle is in a level position.

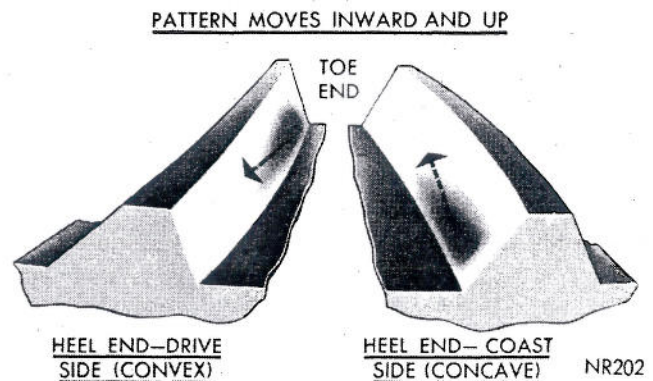
(12) On 7-1/4 inch axles remove fill plug and fill rear axle with 2.1 pints (.99 litres) of rear axle lubricant or until lubricant is between the bottom of the filler plug opening and a point 3/8 inch (9.5 millimetres) below the filler plug opening. Replace fill plug.

On 8-1/4 inch axles remove fill plug and fill rear axle with 4.4 pints (2.08 litres) or until lubricant is between the bottom of the filler plug opening and a point 1/2 inch (12.7 millimetres) below the filler plug opening. Replace fill plug.

On 9-1/4 inch axles remove fill plug and fill rear axle with 4.5 pints (2.13 litres) or until lubricant is between the bottom of the filler plug opening and a point 1/2 inch (12.7 millimetres) below the filler plug opening. Replace fill plug.



**Fig. 41—Effect on Tooth Contact Pattern as Spacer Thickness is Increased**



**Fig. 43—Effect on Tooth Contact Pattern as Spacer Thickness is Decreased**