

# HUDSON MOTOR CAR COMPANY DETROIT, MI., U. S. A.

## TECHNICAL SERVICE BULLETIN

CABLEADDRESS  
HUDSONCAR

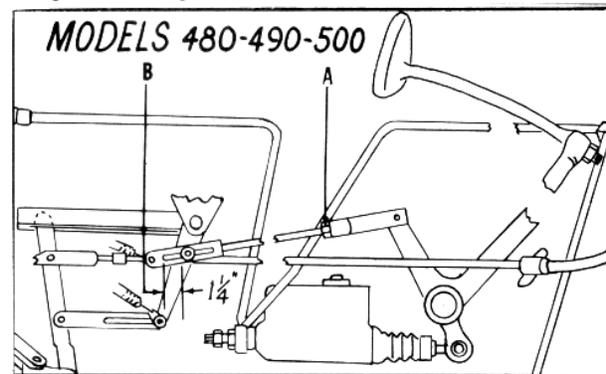
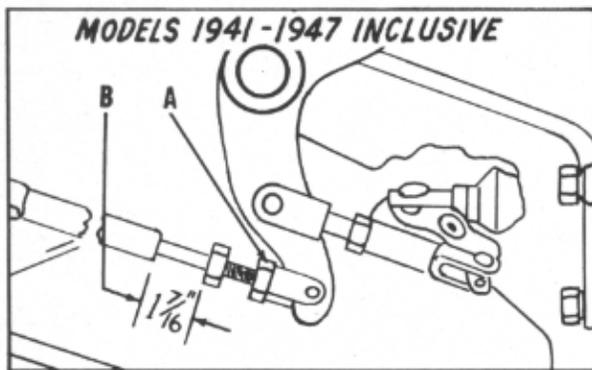
TS 77-7  
File Under: TIRES,  
WHEELS, HUBS  
BRAKE SYSTEM  
March 1977

### ALL HUDSON OWNERS HUDSON DOUBLE SAFE HYDRAULIC BRAKES

One of the exclusive Hudson safety factors for many years has been a brake design that brings the mechanical brake into operation when the brake pedal has been depressed beyond the point where the hydraulic brakes become effective. In order that this mechanical follow up becomes effective properly when the brake pedal has reached a predetermined point, it is necessary that the mechanic who makes the final brake adjustment knows definitely where to check and what the proper adjustment should be.

When the brakes are relined or taken up (at which time the hand brake should always be reset) the mechanical safety follow up clearance should be carefully checked and the necessary correction made very accurately. When the clearance at the point of "take up" as shown in the following sketches is accurately made and should the hydraulic brakes fail for any reason the mechanical brakes will function in a normal manner as the brake pedal movement and pressure are continued downward.

All mechanics who have to do with brake work should understand how to this adjustment properly. Complete instructions will be found in the Hudson Mechanical Procedure Manuals.



It will be noted that the adjustment for mechanical brake engagement shown in the sketches above differs somewhat due mainly to the change in design of various models. Adjust at "A" to obtain clearance at "B".

In addition to checking the mechanical follow up it is imperative that the brake lines be chocked periodically. There is danger of sudden leakage of brake fluid if the lines rust out or are otherwise damaged.

If the condition of the brake system is unknown it should be checked over at the first opportunity. A complete check-up would include the wheel cylinders, brake drums, brake lining, flexible and steel hydraulic lines, master cylinder, and the mechanical linkage and cables to the rear wheels.

It is recommended that the hydraulic brake system be checked for damage or leakage whenever the car is lubricated.

Yours very truly

A. E. Adams  
Technical Service Editor