

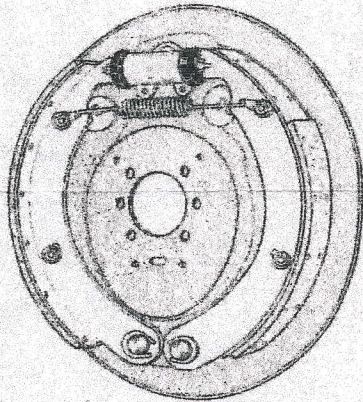
# INDUSTRIAL BRAKE & CLUTCH

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## LOCKHEED TYPE BRAKE-TIMKEN "H" SERIES

This is a two shoe, light duty brake with shoes mounted to a backing plate which also serves as a dust shield. Anchors are adjustable to provide a means of centering the shoes on the drum. Adjust-

ments for wear are made by rotating eccentric cams that bear on the brake shoe flange or a pin in the shoe web.



TIMKEN 'H' SERIES BRAKE

FIG. 1

### DISASSEMBLY

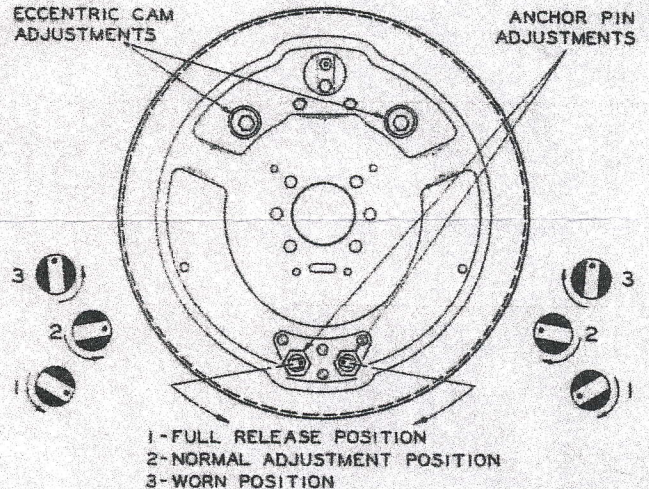
- A. Disconnect brake shoe return spring.
- B. Remove anchor pin "C" washers and guidepin locks and washers.
- C. Remove brake shoe and lining assemblies.
- D. Remove anchor pin lock nuts, lock washers and anchor pins.
- E. For complete disassembly remove cap screws, washers and wheel cylinder assembly.

### REASSEMBLY

- A. Position wheel cylinder, install cap screws and lock washers and tighten securely.
- B. Insert anchor pins and install washers and lock nuts.
- C. Position shoe and lining assemblies and install washers and lock rings. Back off anchor pins to full release position.
- D. Back off adjusting cams and position shoes through guides into wheel cylinder.
- E. Hook shoe return spring in brake shoe web holes.

### ADJUSTMENT

After an overhaul or reline each shoe must be centered to provide maximum contact between lining and drum and to correctly locate curvature of lining to that of the drum.



TIMKEN 'H' SERIES BRAKE ADJUSTMENT

FIG. 2

1. Back off completely on both the anchor pins and adjusting cams.
2. While rotating wheel, adjust cam until drum drags on lining.
3. Rotate anchor pin until drag is relieved.
4. Repeat steps 2 and 3 until rotation of anchor pin will no longer relieve drag.
5. Tighten anchor pin lock nut and back off on cam until wheel is just free.
6. Repeat at other shoe.

### MINOR ADJUSTMENT

(To compensate for lining wear)

1. Rotate cam until drum drags.
  2. Back off until drum is just free.
  3. Repeat at other shoe.
1. Thoroughly clean, but do not lubricate shoe adjustment mechanism or other parts of brake assembly.
  2. When wheel cylinder connecting tube is removed, note position of tube and fittings on the brake to avoid error in reassembling. Difficulty may be encountered in bleeding system if tube is assembled in wrong location.