

SERVICE BULLETIN

DECEMBER 22, 1977

T

No. Q93 under BRAKES

PLAINTIFF'S EXHIBIT

MAC-76

FOR BRANCHES, DISTRIBUTORS AND CUSTOMERS.

CHASSIS AFFECTED ALLENTOWN ☒ HAYWARD ☒ OAKVILLE ☒

CAM BRAKE ASSEMBLIES

(All Highway Models With SW56C, 57C Series Bogies and FAW5361C, 5371C Series Front Axles)

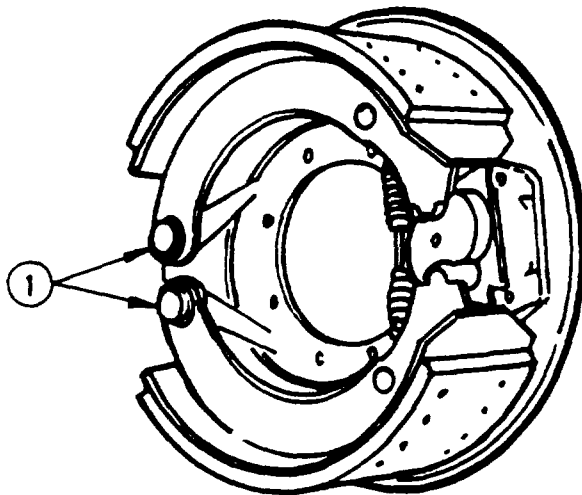
PURPOSE To inform the field of changes in cam brake usage and to describe means of identifying the various brake assemblies involved.

RECOMMENDATION Advise service personnel of these changes in brake application to eliminate possible errors with respect to service procedure and replacement parts.

INFORMATION

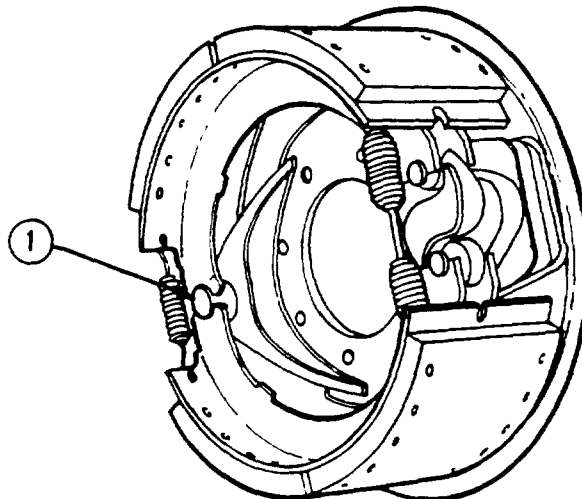
Bogie Brakes - The SW56C (34,000 lb.) and SW57C (38,000 lb.) bogies will be built with either of two cam brake assemblies. The brake used will depend on vehicle model and application, not bogie model. This is in contrast to past practice whereby a particular bogie model would be equipped with one standard brake assembly.

Brake assemblies that will be installed are Rockwell "P" series 16 1/2 x 7 and Eaton 16 1/2 x 7 cam brakes. The Rockwell brake is shown in Figure 1, the Eaton brake in Figure 2. Note from the illustrations that these assemblies can be identified by the number of anchor pins; two are used on the Rockwell brake and one is used on the Eaton brake.



1. ANCHOR PINS (TWO)

FIGURE 1
ROCKWELL BOGIE BRAKE ASSEMBLY



1. ANCHOR PIN (ONE)

FIGURE 2
EATON BOGIE BRAKE ASSEMBLY

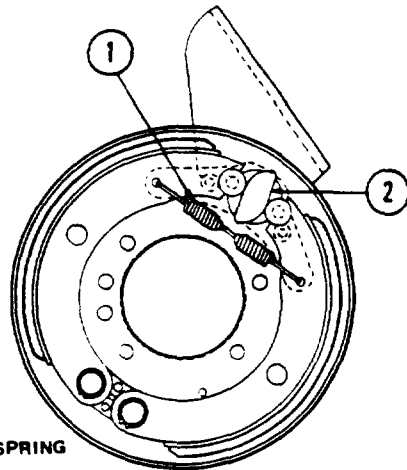
CIRCULATING

Service Manager
Shop Foreman
Night Foreman
Night Foreman
Inspector Leadman
Inspector Leadman
Inspector Leadman
Unit Overhaul Room
Shop Office

Front Axle Brakes - Front axles FAW5361C and FAW5371C will be built with 15 x 4 cam brakes supplied by either Rockwell or Wagner. They will be used interchangeably; actual usage depending on availability and production requirements. Subject axles are used on F, R and U model six-wheel tractors.

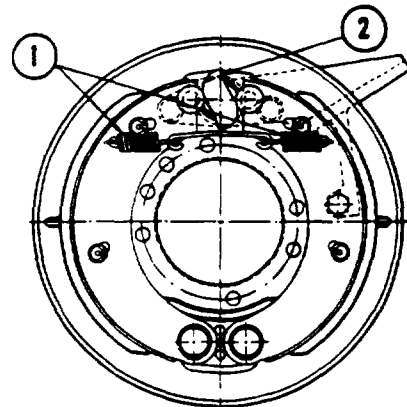
These brakes are illustrated in Figure 3 for Rockwell and Figure 4 for Wagner. The easiest method of identification is by shoe return spring arrangement. Rockwell assemblies utilize a single spring whereas Wagner assemblies have two springs connected by a link.

A second means of identification is by cam configuration. The Rockwell cam has a relatively flat surface opposite the cam face. The Wagner cam is similar but has more of a hook shape at the tip. Another identifying feature is brake chamber bracket construction. Rockwell brackets are fabricated, Wagner brackets are cast.



- 1. SHOE RETURN SPRING
- 2. CAM

FIGURE 3



- 1. SHOE RETURN SPRING
- 2. CAM

FIGURE 4

ROCKWELL "T" SERIES FRONT WHEEL CAM BRAKE ASSEMBLY WAGNER FRONT WHEEL CAM BRAKE ASSEMBLY