Abex CORPORATION FRICTION PRODUCTS

HEAVY DUTY SERVICE BULLETIN

BULLETIN NO. 28

New - Thick Block Drilling for FMVSS 121

Rockwell 16-1/2 'P' Series Cam Brakes

Because of FMVSS 121 rigid performance requirements and shorter stopping distances, vehicles need more effective braking. This has caused higher stress levels and a general upgrading of the brakes including an improvement in the lining to shoe attachment.

All front, non-driving and/or drive axles and all new series 4000 and 6000 trailer axles equipped with 16-1/2 'P' Series cam brake shoe and lining assemblies are now using 1/4 inch shank diameter rivets. These are designated as 10-8 rivets. (The 16-1/2 x 6 and 16-1/2 x 7 shoes now have FOUR (4) extra holes per block.)

For illustrative purposes only we are showing the older 12 hole 4515D which uses a .200 inch diameter rivet (Fig. 1). These rivets are designated as 20-8. The new 16 hole block is identified as 4515ED and uses 1/4 inch diameter rivets (Fig. 2).



FIGURE 1

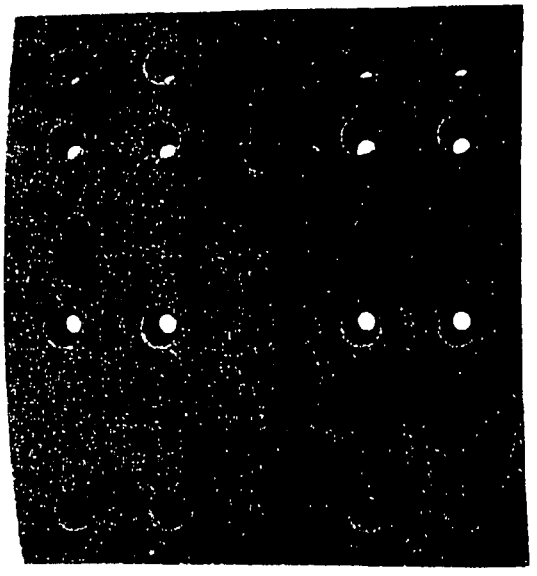

FIGURE 2

CAUTION:

The old style shoes will be in the field for some time along with the new shoes.

Before ordering replacement blocks, check shoes for correct size and number of holes.

Rivet holes are slightly smaller on the earlier shoes. If it is necessary to increase the size of the hole in the linings and/or the shoes use a No. H drill (.266 diameter).

Follow service instructions for riveting (Refer to Bulletin No. 26).

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