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**Alignment Device for Truck and Trailer Brakes
Tru Shu**

A common problem identified with heavy truck and trailer brakes is the misalignment of brake shoes resulting in the brake shoes protruding marginally outside of the brake drum. At on-road enforcement and during safety inspections a regular cause of failure is the misalignment.

I was requested to examine and provide comment on a device recently developed that is intended to prevent the misalignment. This device is called Tru Shu. The standard device is suitable for the typically standard US type brake shoes and there is a version available that is suitable for BPW brake shoes. In both cases attachment does not require any modifications to the standard brake shoes.

I have examined these devices on and off a trailer brake system. Based on my examination it is my opinion that the device will not reduce the brake effectiveness and will ensure longer alignment of brake shoes resulting in longer brake lining life, less down time and less expense to operators.

It is essential that when being installed the repairer ensures that all components retain adequate clearances. The devices as sighted appears to ensure that clearances are maintained.

R G Edwards

SA Recognised Engineering Signatory/Authorised Vehicle Examiner

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