

8HTM2000 BRAKE SERVICING NOTICE

8HTM2000 Lighting Towers fitted with Drum Brakes.

All early model Pit Master 8HTM2000 Series LED Lighting Towers fitted with drum brakes require testing and adjustment where necessary.

After a period of time there will be brake shoe wear and cable stretching. This will be evident in the travel of the hand brake lever. The brake rod that connects the hand brake lever to the individual brake cables can be adjusted by undoing the lock nut and winding it in to create more tension on the rod and cables. Once the travel of the hand brake is back to about half way along the locking notches on the tow hitch, retighten the lock nut. Adjustment is now complete.



Full Testing and Adjustment Procedure

To test apply hand brake and ensure it pulls on hard to about half way along the locking tabs on the tow hitch
OR

1. Jack the trailer completely off the ground by using the hydraulic stabiliser legs and place jack stands (X2) under the axle on each side. Then lower trailer onto the jack stands by retracting the hydraulic stabilizer legs. This action must be completed so that trailer weight is placed back onto the springs ensuring correct brake adjustment.
2. Rotate each wheel and check for drag on the drum from the brake shoes. There needs to be a minimal amount of drag to ensure the brake shoes are as close as possible to the drum face to ensure short travel giving optimal performance. This adjustment can be made by the adjusting bolt at the inside bottom of the brake housing which either extends or retracts the brake shoes from the drum face.
3. The brake rod cable now needs to be adjusted. This rod connects the hand brake handle to the individual brake cables. Undo the lock nut at the end of the brake rod and wind any slack up. Do not over adjust as the final adjustments are made on the individual brake cables. Rotate each wheel to ensure no tension has been applied to the individual brake cables and the wheels spin as in step 2.
4. Each Brake cable can be individually adjusted. To do this undo the lock nut and wind in to tighten or unwind to loosen. The cable needs to be firm BUT have no reaction to the brake shoes. This can simply be checked by rotating the wheel and feeling for minimal drag.
5. Pull hand brake lever on and set locking tab. The hand brake lever should travel to at least half way on the locking notches on top of the tow ball or pintle ring hitch.
6. With hand brake applied manually try and rotate wheels. Wheels should be completely locked.
7. Raise trailer up by lowering the stabiliser legs and remove jack stands.
8. Road test and ensure inertia brake system operates correctly.

Service Interval	Service Procedure
1 st 100 hours	Check all cables and adjustment rod for security. Jack wheels off the ground and rotate wheels checking that brake shoes are not dragging on brake drum. Check hand brake adjustment by pulling back on the hand brake lever. Make adjustments by following instruction in the Operation and Service manual.
Every 500 hours	Check all braking components and adjust or replace components where necessary.

Refer to 8HTM2000 Operation and Maintenance Manual for further servicing details.