

BIRRANA A8640 CONTROL ROD PIN TO SUIT CAT 785/789 TRUCKS

ASSEMBLY INSTRUCTIONS

Most accidents involving machine operation or maintenance are caused by failure to observe basic safety rules or safety precautions. Read and understand all safety precautions and warnings, before attempting installation and operation of this component.

Birrana Engineering cannot anticipate every possible circumstance that may involve a potential hazard. You must comply with all mine-specific safety procedures, and satisfy yourself that any procedure, tool or operation method used is safe for yourself and others.

Refer to the truck manufacturer's repair and maintenance instructions in conjunction with these instructions where applicable. Obey all recommended safety instructions or warnings.

Before working on any equipment make sure that the work area is safe, and that the equipment is tagged and locked out in accordance with mine safety procedures.

1. Remove the original pin as per manufacturer's instructions.
2. Ensure that the pin components, the chassis and axle housing bores, and the surrounding areas are clean. The chassis and axle housing bores must measure $\varnothing 101.76/101.56$. If the bores do not measure within specification, the bores must be reworked.
3. Assemble the pin through the bearing.
4. Loosely fit the collets to the chassis and axle housing bores. Tap the collets inwards, using a soft-faced hammer to engage the taper on the pin.
5. Apply Loctite 262 to the bolt thread. Install bolt with shields and washer. Fit the nut, and tighten finger tight only.
6. Ensure the pin is positioned centrally in the bearing, and tighten the 7/8" nut to a torque of 450 ft lbs (610 Nm).
7. Fit the grease nipples into the ends of the collets.
8. Use the grease nipples to slowly fill the collets with grease, until the grease can be seen at positions illustrated.
9. Check the bolt torque is 450 ft lbs (610 Nm) at the next service interval, and re-torque if required.

It is essential that an anti-seize compound (ie "Never-seize" or similar product) is used on the collet bores and tapers of the pin.

Do NOT use "Never-seize" on the outside of the collets, or in the chassis and axle housing bores. These surfaces must be clean and dry.

Note: The purpose of the grease is not to lubricate the pin, but simply to prevent corrosion, and make disassembly at a later stage easier.

*If you require any further assistance with this procedure please contact your local Birrana representative.
Adelaide (08 8445 7755) Perth (08 9370 5048) Mackay (07 4952 5422) Singleton (02 6571 4488)*

DISASSEMBLY INSTRUCTIONS

Most accidents involving machine operation or maintenance are caused by failure to observe basic safety rules or safety precautions. Read and understand all safety precautions and warnings, before attempting installation and operation of the brake wear gauge.

Birrana Engineering cannot anticipate every possible circumstance that may involve a potential hazard. You must comply with all mine-specific safety procedures, and satisfy yourself that any procedure, tool or operation method used is safe for yourself and others.

Refer to the truck manufacturer's repair and maintenance instructions in conjunction with these instructions where applicable. Obey all recommended safety instructions or warnings.

Before working on any equipment make sure that the work area is safe, and that the equipment is tagged and locked out in accordance with mine safety procedures.

Note: If the collets are undamaged, they may be used again. However, it is advisable that they are replaced with new ones. The old pin should not be reused and should always be replaced with a new pin.

10. Undo the 7/8" nut, and remove the bolt from the centre of the pin.
11. Use either the three 5/8" UNF jacking holes, or the central 1" UNS extraction hole to extract one collet from it's bore.
12. Extract the remaining collet from it's bore, using either the jacking holes, or central extraction hole.
13. Note: If when attempting to remove the collet, the pin moves instead of the collet, remove the pin. If the existing collets are to be reused, the second collet can then be left in it's bore.
14. If not previously removed, remove the pin.
15. Remove the control rod assembly as per manufacturer's instructions.
16. If the second collet was not successfully removed previously, and the collet is to be replaced, it can now be removed with a soft drift.

