

BIRRANA FRONT WHEEL END INSTALLATION TO SUIT CAT 785 / 789 / 793 TRUCKS

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.

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1. Flush all brake lines with a strong solvent to remove brake material and debris.
 2. Clean out the hydraulic brake reservoir tank and clean the screens.
 3. Rekit or fit an exchange roto chamber and slack adjustor.
 4. Thoroughly clean all mounting surfaces and check for burrs before installing the wheel goup. Ensure that all rust inhibitor is removed from the wheel studs and the wheel flange to ensure the correct bolt torques are achieved.
 5. Fit the wheel end and torque all mounting bolts to specification.
 6. Inspect all oil lines for serviceability and cleanliness prior to use and fit brake fittings from the former wheel end. Use new o-ring seals on all fittings and connect the lines and hoses to the front brake.
 7. Fill wheel end with appropriate oil.
 8. Install the rims and tyre and check that the tyres are inflated to the appropriate pressure.
 9. With the temperature of the brake cooling oil between 80°C and 95°C, check the brake inlet cooling ressure. With the engine at low idle the pressure must ot be below 2 psi (14kPa), and at high idle must not be above 25 psi (172 kPa). If the presssure is exceeded, seal damage will result.

*If you require any further assistance with this procedure please contact your local Birrana representative.
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