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# SERVICE BULLETIN

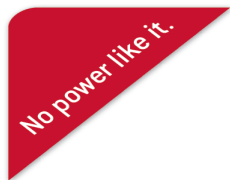
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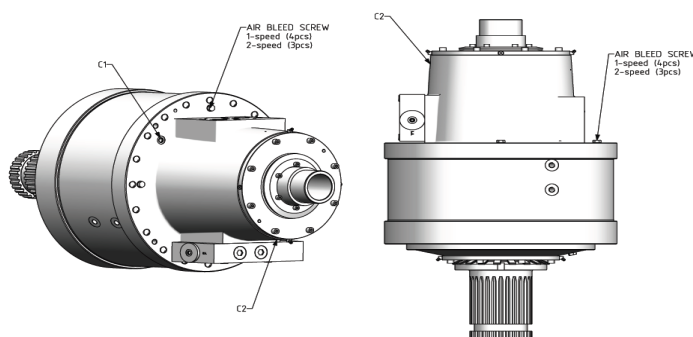
## #23 How To Air Bleed A Black Bruin Drill Motor



### Black Bruin product bulletin

#### Air bleeding procedure for SD motor, vertical mounting

When air bleeding a vertically mounted SD motor (output shaft down), it is important to bleed the air out by opening one of the bleed screws in the rear cover (see below). If the screws aren't completely even, use the topmost screw. Due to motor's construction, failure to bleed through one of these screws will leave an air pocket into motor's housing cavity and can cause a catastrophic failure.



#### Air bleeding procedure (Operating Manual 2014-12-05)

Air bleeding procedure is carried out to fill the housing of the motor completely with hydraulic fluid. Air is removed from the housing with air bleeding screws as follows:

Connect the port C2 to a drain line and feed hydraulic fluid into the motor via port C1 throughout the air bleeding procedure.

- Locate the topmost air bleed screw of the housing.
- Unscrew the air bleeding screw by half a turn and let air escape from the housing.
- Close the screw when only hydraulic fluid is pouring through it.
- Tighten the screw to a torque of  $39 \pm 3$  Nm.

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