

No:

SB180-18

Date:

06/03/18

Issue:

1

Subject:

Elite 1&2 Steer Axle Wheel Bearing Replacement with Merritor Disc Brakes

If you need to replace a wheel bearing on a Dana S75 steer axle fitted with Merritor disc brakes you will also need to replace the brake disc, hub and the mounting bolts.

The disc and hub need to be changed due to the new hub mount having fourteen bolts as opposed to ten on the original mount. Because there are fourteen bolts as opposed to ten the bolt diameter has reduced to M14 x 1.5 which results in a lower torque value, (original bolts were M16 x 1.5)..

The new torque value for the mounting bolts is 236-260 Nm – 174-192 lb ft

Merritor disc brakes are easily identifiable as they have brake actuators with camshaft levers, see Fig. 1 below.

Fig .1

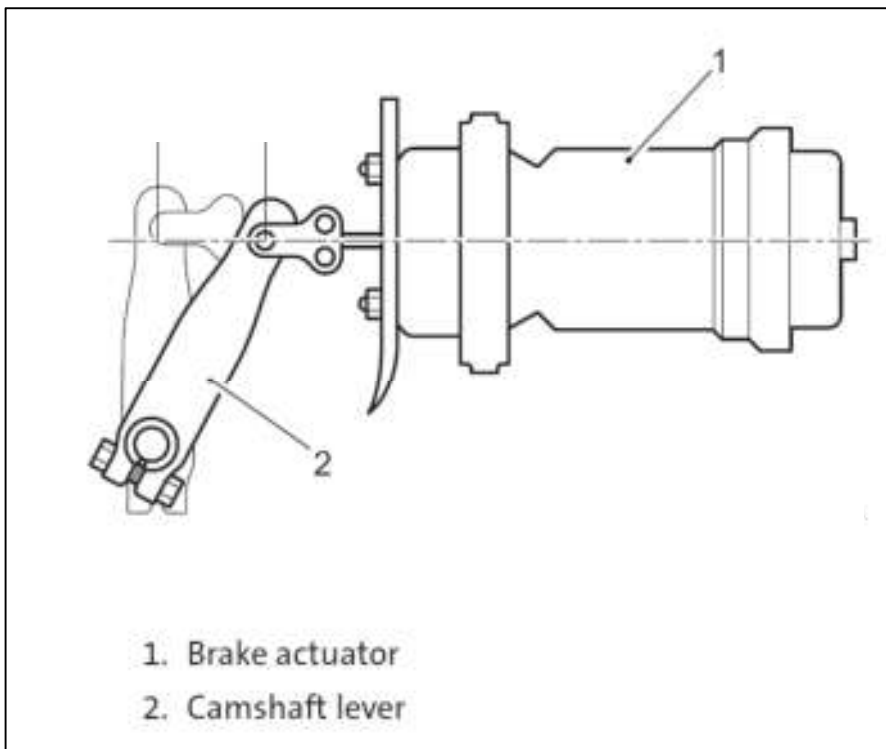


Fig.2 on page two shows the new mounting arrangement with fourteen bolts.

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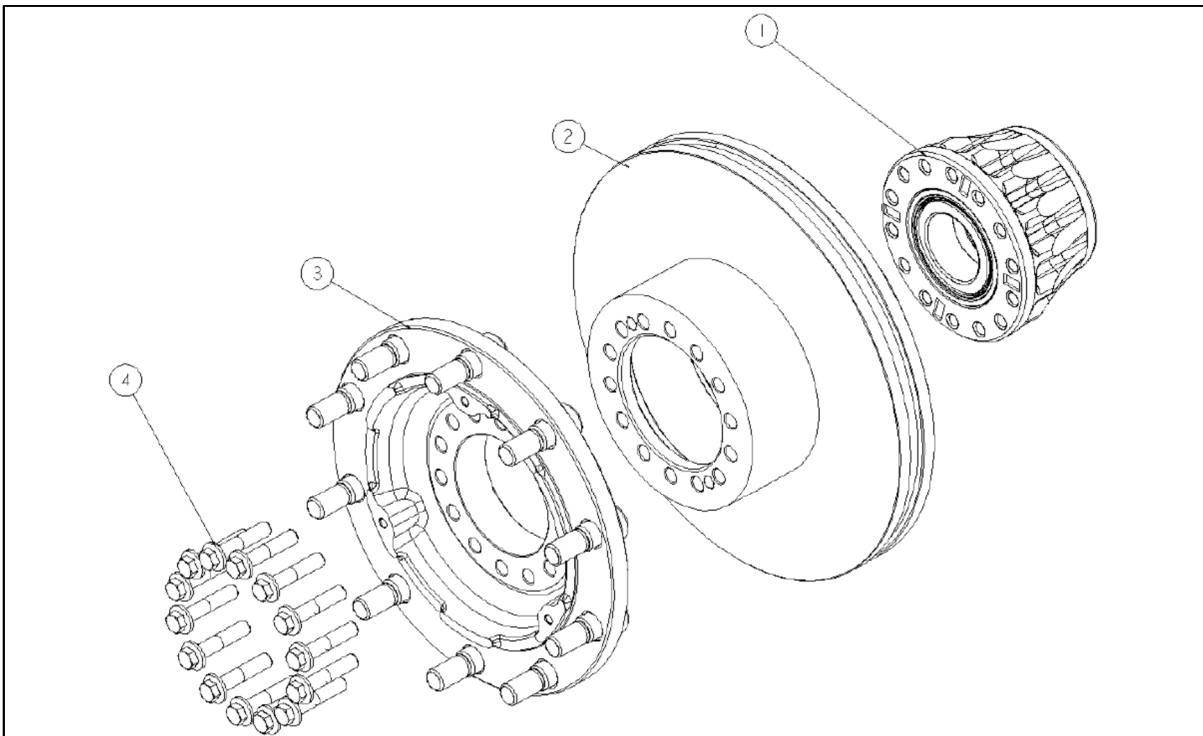
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Fig. 2 Fourteen bolt mounting arrangement.



1. Wheel bearing
2. Brake disc
3. Hub
4. Hub retaining bolts