



5,000 psi Blind Shear Ram Bolting

Safety Notice

SN - Safety Notice - used to notify the customer of recent or potential for field incidents. They may involve safety or environmental concerns, operational changes and maintenance revisions that GE believes requires immediate attention.

Scope

This safety notice addresses several field occurrences, of which GE has been made aware, of fractured 5,000psi (5K) Blind Shear Ram (BSR) blade to block attachment bolts. This safety notice supersedes EB16-001, where the torquing process was identified as a primary contributing factor.

Background

In addition to the incidents discussed in EB16-001, and CAL 16-009, GE has been made aware of two additional field events reported on 18 3/4" – 15,000 psi (18-15) Ram Blowout Preventers (BOP) where the 5K Blind Shear Ram blade 1 1/4" attachment bolts (P/N 3149078 and/or 3165670) were found fractured.

As part of the ongoing RCA, and based upon information gathered from the new incidents, GE has continued lab testing. While the RCA is ongoing, and torquing continues to be identified as a contributing factor, findings of these continued tests suggest that the actions below are appropriate to minimize the potential of any future occurrence.

Issue

To ensure the fleet is informed, GE is issuing this Safety Notice.

Actions

Bolts

- Discontinue the use of P/N 3149078 and P/N 3165670. Refer to Figure 1.
- Install new upper front attachment bolts P/N 3165650 (thicker flange).

Torquing

- Comply with the blade to bolt torquing procedure (X-1007757 Rev F or later).

T-Seals

- Install a new lateral T-seal P/N 3133293.
- Install a new T-seal each time the shear blade is removed or serviced per IMP-BOP-001, whichever occurs sooner.

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APPROVED BY: Randy Green

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Contact your local GE Sales Representative for further assistance to obtain bolts. New bolts (P/N 3165650) and T-seals (P/N 3133293) can be obtained by opening a warranty claim (Figure 3) through <https://www.engagedrilling.com/>.

The actions in this Safety Notice are considered complete when the upper front bolting and the T-seal are replaced and installed per X-1007757 Rev. F or later and re-tested as necessary. Refer to Figure 2 and Table 1.

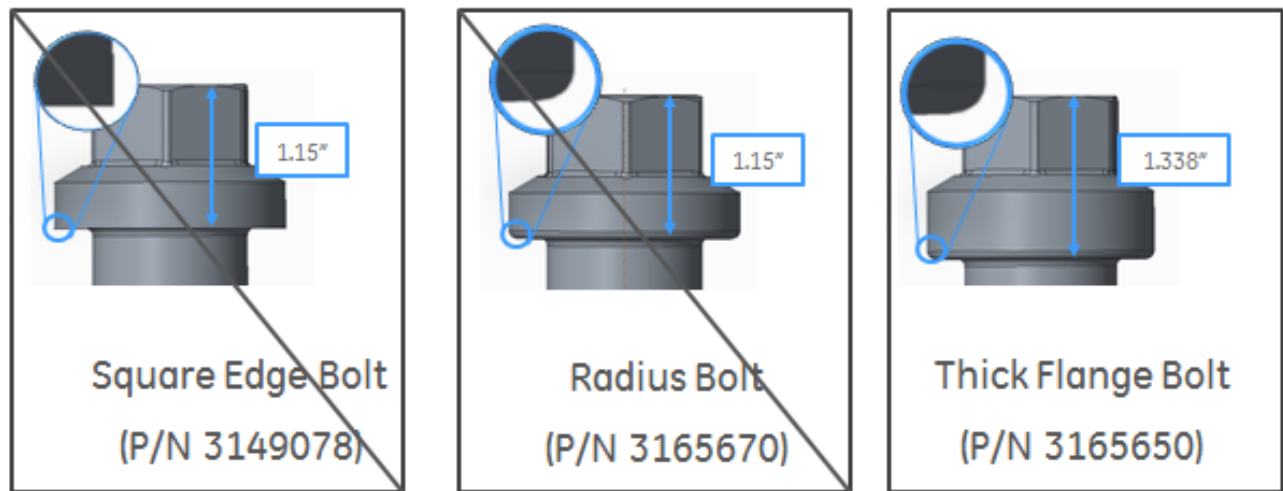


Figure 1. Bolt identification

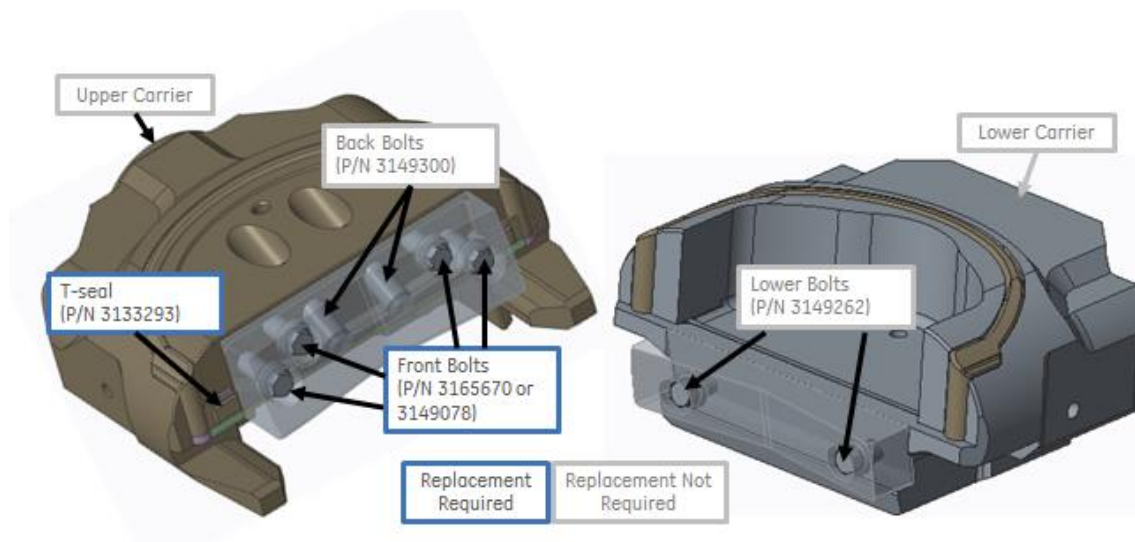


Figure 2. For reference: 5K BSR Assembly

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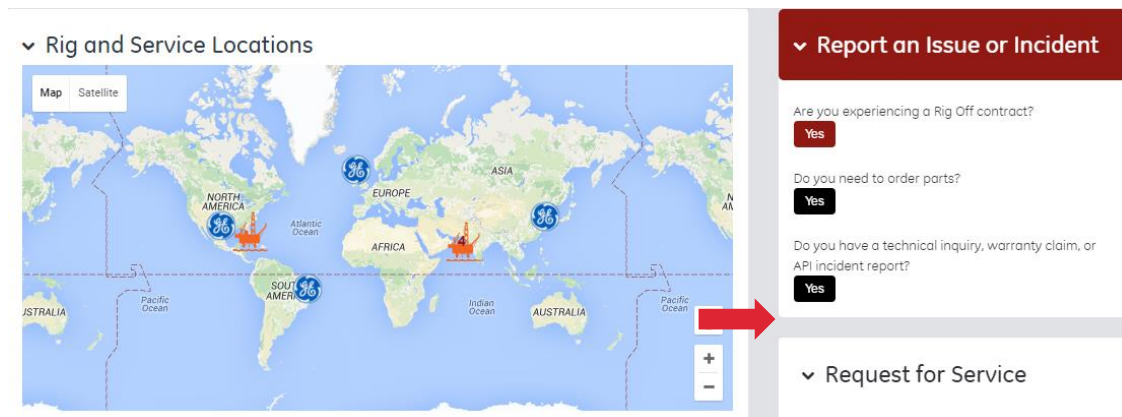


Figure 3. Warranty claim submission in engageDrilling.

	Part number	Quantity	SN16-001 Recommended action
Upper front bolt	P/N 3149078	4	Discontinue
Upper front bolt (Radius)	P/N 3165670	4	Discontinue
Upper back bolt (Existing)	3149300	2	No action
Upper front bolt (New Thick Flange)	3165650	4	Install new bolt
T-Seal (Existing)	3133293	1	Install new t-seal

Table 1. For reference: 5K BSR Assembly Bolting and T-seal part numbers

Shear Ram Assemblies Affected

- 3149285
- 3149285-01
- 3149285-02
- 3149285-03
- 3149285-04
- 3149286
- 3149286-01
- 3149286-02
- 3149286-03
- 3149286-04

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Contacts

For technical questions or application and commercial requests please contact GE Drilling Services 24/7:

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Email oilandgas.support@ge.com

View all Bulletins and Notifications On-Line at www.engagedrilling.com

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