



Description:
Z-CAM PRODUCT WARNING

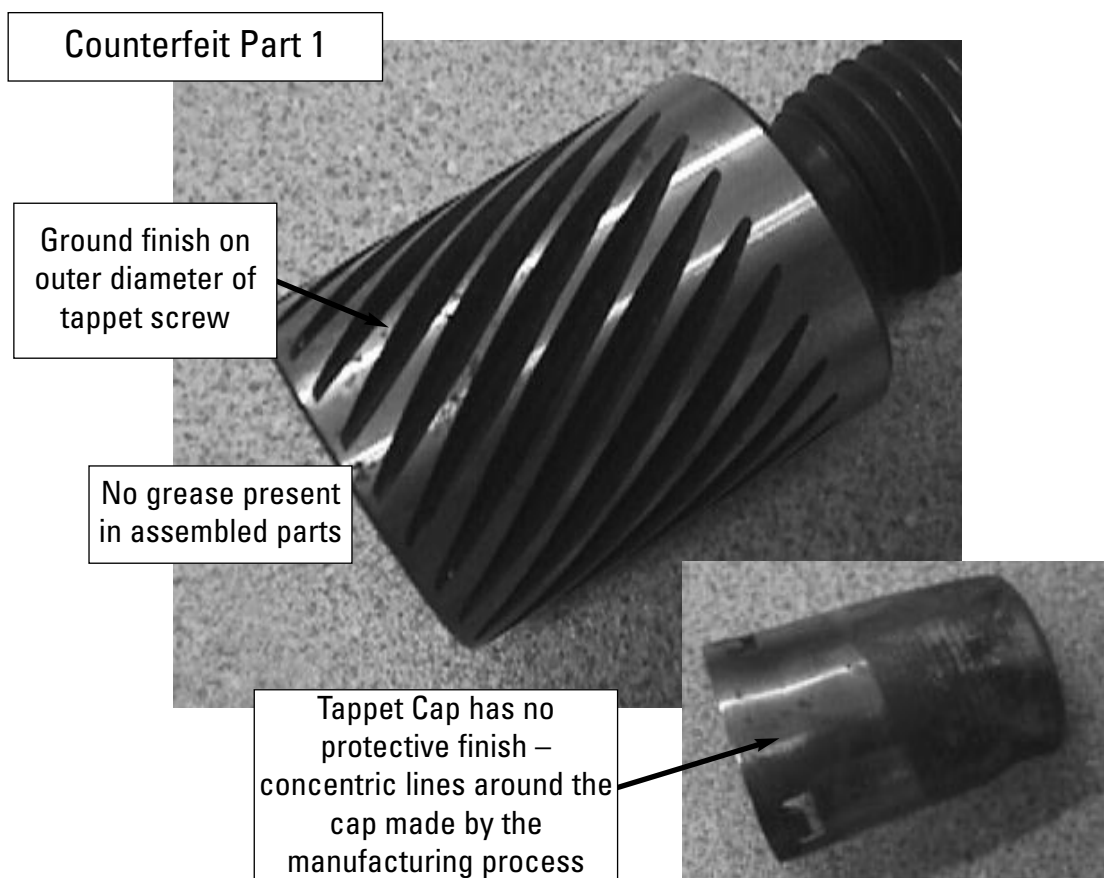
Ref./Date: TBC UK.3

Responsible component manufacturers such as ArvinMeritor, make substantial investment in design and research and development and as part of the ArvinMeritor production monitoring process, non-genuine components are regularly obtained and tested. The engineering reports, all too often, express concern regarding material quality, machining tolerances, inappropriate assembly and durability

As part of this process, ArvinMeritor has made a detailed examination of various 'pirated' components, the latest of which were Z cam tappet assemblies, and a significant number of manufacturing inaccuracies which could lead to major problems with the operation of the brake were reported. These non-ArvinMeritor parts, carry inherent dangers of adjustment problems, significantly reduced life, component failure or even complete brake failure.

There have been various technical improvements to this brake since its original introduction, and all genuine ArvinMeritor branded parts are built to latest design standards, incorporating the vehicle manufacturer's agreed quality requirements. Manufacturers of spurious products do not have to adhere to these standards, and the components examined do not reflect these changes.

In the interests of safety and customer satisfaction, please take note of the following important comments, and seriously consider the potential risks involved.



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- Whilst it is possible that both of these components could be assembled into the brake assembly without any apparent problems, in particular, the outside diameter of the tappet screw is undersize which could lead to premature wear in the tappet bore.
- Tappet heads and screws which should have been hardened and tempered, are case hardened. This is not good engineering practice due to the brittle nature of the case, as cracks can be introduced at the route of the threads. In short, the parts are produced from inferior quality material and then case hardened in an attempt to produce a reasonable surface property. Whilst significantly reduced endurance life is the most likely outcome, it is possible that a 'catastrophic failure' could occur if the brake is subjected to very high input loads, such as an emergency stop.
- Both assemblies were supplied in an un-greased condition. This is particularly important on the assembly where a tappet stop is fitted, as this will prevent disassembly to facilitate correct greasing. Lack of grease will lead to premature wear and failure of the adjuster mechanism.
- The tappet stop pin, which is designed to prevent the tappet assembly locking when the brake is de-adjusted, is incorrectly fitted. This pin will perform no function whatsoever.
- The tappet cap has no protective finish. This will rapidly corrode and deteriorate, allowing ingress of water and dirt into the tappet assembly



MERITOR[™]
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Selling inferior products can mean risking your reputation. Parts which appear to be good value for money, can prove to be a more expensive option for your customer longer term. Behind all ArvinMeritor branded products is the engineering expertise and technical support of a leading manufacturer of original equipment products and all ArvinMeritor kits come complete with full fitting instructions to enable safe and correct fitment of all parts.

Braking products are safety critical parts. A failure endangers the lives of the driver and other road users.

ArvinMeritor now offers genuine original equipment parts at genuinely competitive prices and you can feel safe in the knowledge that you are selling the safest and the best to your customers

Part No	Description	ERF	Seddon	Volvo	Dennis SV	Dennis Eagle	Steyr
ST4013	Adjuster Kit	147280-9	3348784R91	8550977	653996-12	613859-11	1892003407221
ST4014	Adjuster Kit	149405-5	3348783R91	8550978	653996-13	613859-13	1892003407231
68192115	C Spring	139802-3	3346437R1	3097092	653996-19	613859-19	1892003407951
SP8540	Cross Shaft Kit	142282-9	3346443R91	272910	653996-21	613859-7	18920034007351
68191511	Pinion	135089-0	3346449R1	169925	653997-5	613860-6	1892003407941
68191510	Pinion	135088-4	3346448R1	169924	653996-25	613859-29	1892003407931

These are very common brakes fitted by all of the above Vehicle Manufacturers. For exact vehicle applications see 'Meritor Truck Brake Spares' catalogue - Publication no 4.83.1

