

Carter Ground Fueling

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**APPLICABLE TO UNIVERSAL (D3) SWIVEL JOINTS FOR
UNDERWING FUELING NOZZLES PART NUMBERS:**

**47566, 64201N, 64349N ALL SERIAL NUMBERS
PRODUCED TO DATE**

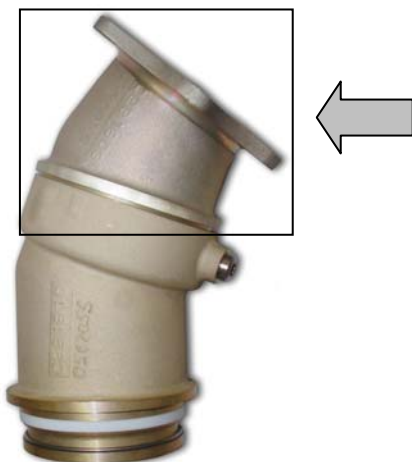
**SB017051147566
May 11, 2007**

UNIVERSAL (D3) SWIVEL JOINT FAILURE REPORTED

The 47566 Universal (D3) Swivel Joint was designed to provide additional flexibility primarily for the military users that were using D1 and D2 component elbows on their Underwing Nozzles. This Swivel Joint is made of two halves, each a 22½° elbow that swivels to provide for either a 45° elbow or a straight fitting. This Universal Joint allows for safe fueling into either the fuselage or underwing depending on the configuration of the aircraft being fueled.

It has come to our attention that one fracture failure has occurred as the result of an accidental dropping of the nozzle assembly after the completion of a refueling. The distance of the drop was less than 3 feet and should not have resulted in a failure of this nature. Inspection of our inventory revealed that a combination of a casting problem and a machining problem provided for an uneven/thin wall thickness on the half that incorporated the MS33786-40 flange. The resulting wall thickness gives us cause for concern and all units presently in service need to be recalled and replaced.

See the picture below showing the half to be replaced.



Carter will replace, free of charge, the flanged half of these Universal Swivel Joints in a kit with the necessary seals and a set of instructions outlining how to remove and replace the suspect part. New parts will be marked "Rev. B", so if your inspection does not show this mark, they need to be replaced.

The repair will take only a few minutes and it can be completed with simple hand tools. The entire repair will take less than 15 minutes. To get the "no charge" replacement parts please provide your local Carter Distributor with the serial number of the nozzle assembly on which it is installed and order one each of part number KD47558 for everyone you have to replace.

If you do not feel comfortable doing this work locally, please call our Costa Mesa office (949) 764-2200 for a Return Goods Authorization (RGA) number. Return the Universal Swivel Joint to us and we will replace the necessary parts and return it to you.

Timing is a small problem. The first 50 replacement parts are due by May 29, 2007 and another batch by mid June. Enough parts to replace all units currently in the field will be available by the end of July.

Prior to the receipt of the replacement parts, we recommend a visual inspection of each Universal Swivel Joint before each use. Any crack or fracture noted in the area where the elbow meets the MS flange is cause for discontinued use. Additionally, operators are warned that rough handling or dropping of the nozzle and/or Universal Swivel Joint may lead to damage as reported above.

Carter apologizes for any inconvenience this problem has caused and is in the process of reviewing our procedures under ISO9001 to ensure that it does not happen again.

Should you have any questions concerning the information in this Safety Bulletin, please feel free to contact your local Carter Distributor or any Regional Sales Manager listed on our website or the Costa Mesa, CA Manufacturing plant at the following phone numbers:

Phone: (949) 764-2200

Fax: (949) 631-2673