

SPICER®



DA032011

DIFF LOCK READY 170 SERIES AXLES

SERVICE/TECHNICAL

DATE: 11/7/2011

TO: All service & parts departments

Dana Corporation's Commercial Vehicle Systems Group has upgraded its Spicer D170 tandem axle lineup to provide differential lock ready axles as standard equipment. Availability for vehicle manufacturers is planned for the third quarter of 2011. This upgrade covers popular tandem axle models D46-170 and D50-170 rated at 46,000 and 50,000 pounds respectively.

Spicer axle carriers will come machined for driver controlled wheel differential lock, and the internal components have been upgraded to allow easy, low cost conversions at the dealership. A conversion kit is available through normal OEM service parts channels available now. The kit will include the necessary mechanical components and installation instructions. See below for conversion kit part numbers and axle shaft information.

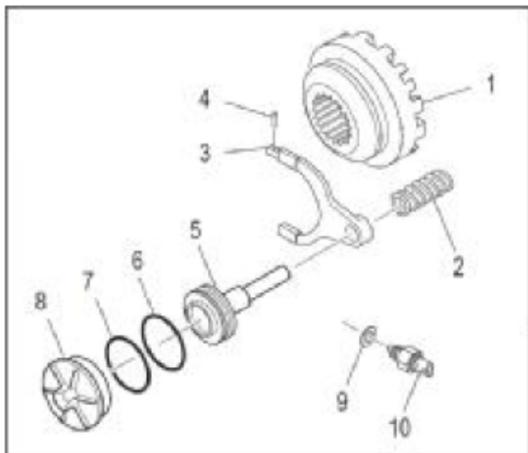
This product feature enhances the appeal of Dana's axle lineup for construction fleets and other heavy duty vocational customers, who represent a large segment of the market using diff lock. For Australian dealers it also enhances the value of a stock truck order with the ability to move their trucks into multiple market segments.

For truck owners, the option to convert to a differential lock is appealing due to the lower cost of installation and the speed with which the conversion can now take place.

Conversion Kit part Numbers. (Kit includes items 1 to 10)

512946 For Ratios 3.07, 3.20 and 3.91 to 7.17

512947 For Ratios 2.53 to 2.93 and 3.31 to 3.73



DRIVE AXLE INFO



Axle Shafts.

In 2009 Dana Australia commonised axle shafts in our axle assembly's so that all D170 axles would be fitted with diff lock axle shafts.

To determine if axle shafts are required the axle shafts currently in the vehicle would need to be identified. Please refer to the table below for correct part numbers.

Note: One of each axle shaft is required per axle.

Axle Model	Non Diff lock Axle Shaft	Diff lock Axle Shaft
D170/R170	131428	131246
D170/R170	131429	131245

New Carrier Part Numbers.

Old Part Number	Model & Ratio	New Part Number	Model & Ratio
512525	D170P - 3.73	514762	D170DP - 3.73
512526	D170P - 3.91	514763	D170DP - 3.91
512527	D170P - 4.10	514764	D170DP - 4.10
512528	D170P - 4.30	514765	D170DP - 4.30
512529	D170P - 4.56	514766	D170DP - 4.56
512530	D170P - 4.78	514767	D170DP - 4.78
512531	D170P - 5.25	514768	D170DP - 5.25
512308	R170 - 3.73	514783	R170D - 3.73
512309	R170 - 3.91	514784	R170D - 3.91
512310	R170 - 4.10	514785	R170D - 4.10
512311	R170 - 4.30	514786	R170D - 4.30
512312	R170 - 4.56	514787	R170D - 4.56
512313	R170 - 4.78	514788	R170D - 4.78
512314	R170 - 5.25	514789	R170D - 5.25

D170P = Front carrier No Diff Lock with lube pump.

R170 = Rear Carrier No Diff Lock.

D170DP = Front carrier With Diff Lock with lube pump.

R170D = Rear Carrier with Diff Lock.

Current literature can be downloaded from www.spicerparts.com. Click on the Literature button or The EXPERT[®] icon, and navigate to the literature needed.

Should you have any queries on the above or require further information, please contact Dana Australia on 1300 00 DANA

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DRIVE AXLE INFO