



Aftermarket

Commercial Vehicle Spicer ReadyShaft™ Dana EZ-ID™ Tool User Guide



For EZ-Access, Bookmark Your Desktop:
danaaftermarket.com/Dana-EZ-ID



Easily Identify Driveshaft Assemblies – *even without part numbers*

The new Spicer ReadyShaft™ Dana EZ-ID™ Tool at DanaAftermarket.com is an easy-to-use visual pathway, offering quick identification of driveline assembly part numbers that are missing product tags or other identifiers.

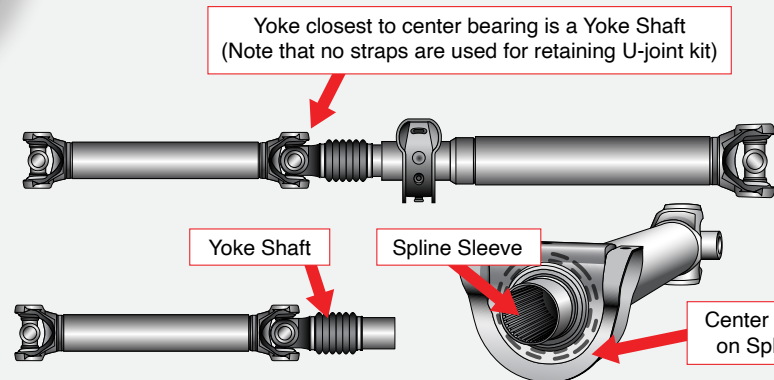
NO PART NUMBER? NO PROBLEM!



Uptime is critical!

When a truck is down with a broken driveshaft, you need simple identification of the broken part for fast repairs.

Our visual pathway guides you to the right part if you don't know the part number or which part you need. With visual driveshaft assembly identification, techs don't waste time determining the correct replacement part.



Spicer® SPL® Lite Series driveshafts

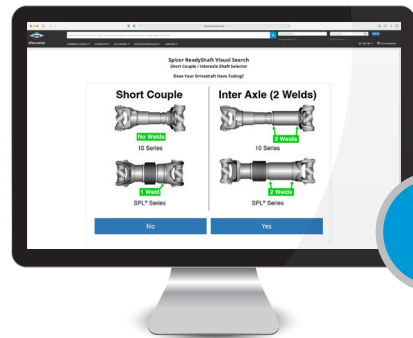
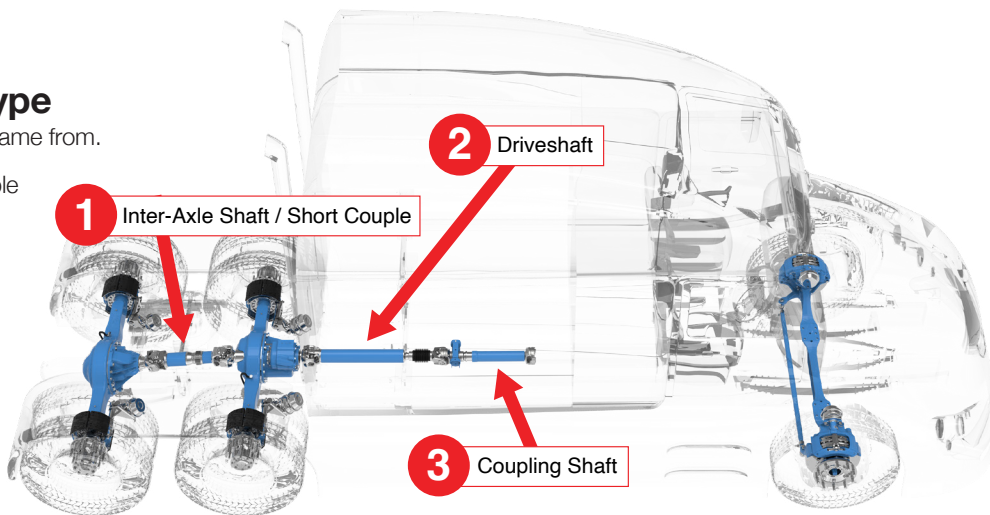
If your driveshaft assembly is configured like the assembly to the left, you will need to contact your local dealership to identify both the driveshaft and coupling shaft part numbers. These must be ordered as a matched set.

• Refer to bulletin **JOI-TEC-083** for additional information.

1 Select ReadyShift™ Type

Identify where on the truck the shaft came from.

- (1) Inter-Axle Shaft or Short Couple
- (2) Driveshaft
- (3) Coupling Shaft



2

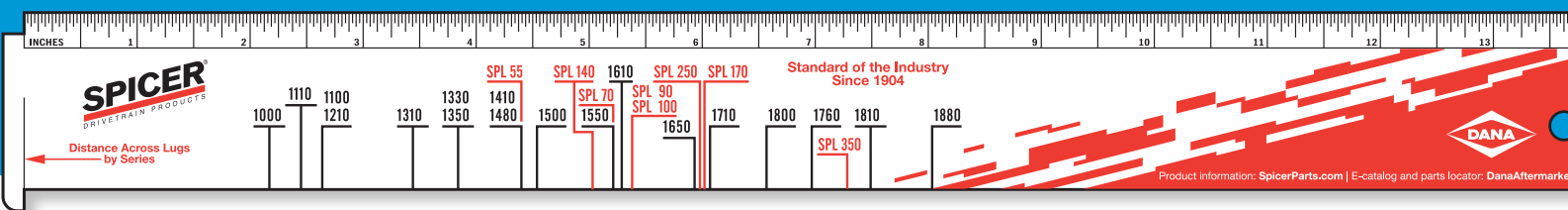
Short Couple / Inter-Axle Shaft Selector

- Short couple shafts do not include tubing.
- If tubing is present, this indicates an Inter-Axle shaft.
- Inter-Axle shafts will also have 2 welds.

Dana Legal Disclaimer

Purchaser is responsible for all measurements and parts selection

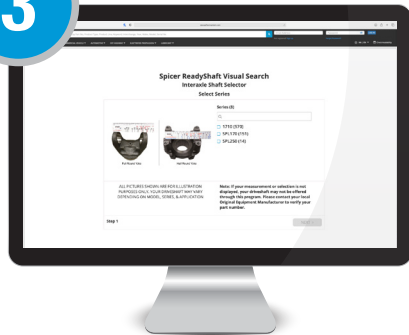
ALL PICTURES SHOWN ARE FOR ILLUSTRATION PURPOSES ONLY. YOUR DRIVESHAFT MAY VARY DEPENDING ON MODEL, SERIES & APPLICATION



Yoke Identification

Use the Spicer Ruler (Part#: RULER-SPICER-32020) to determine the type and series of yoke.

3



Half Round Yoke



Full Round Yoke



Scan to get your Spicer Ruler

Note: Bolts and straps must be replaced every time a half round yoke is serviced.

4

Select U-Joint Style



Full Round
4 Bearing Plates

10 Series

Grease Zerk Between Caps

Half Round
2 Bearing Plates
2 Bearing Cups Without Plates

SPL® Series

Dual Grease Zerk in Center

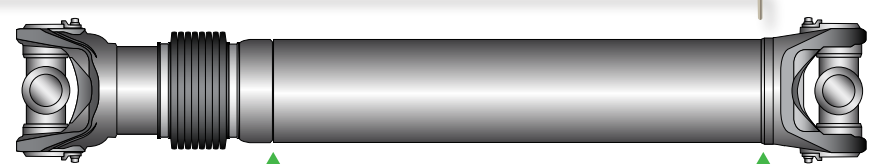
Greaseable
4 Bearing Cups
with Grease Zerk

Service Free
4 Bearing Cups
Without Grease Zerk

5

Determine Tubing Length

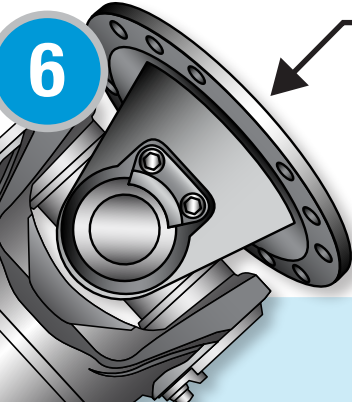
Measure from the center of weld to the center of weld.



Measure Collapsed Length

Once completely collapsed, measure appropriately.

- Center of U-joint to center of U-joint
- Flange face to flange face
- Center of yoke to center of flange face



Compress both ends to collapse the shaft.

- There will be some physical feedback.
- An audible "click" will signal that the shaft is collapsed.
- **Take measurements now!**



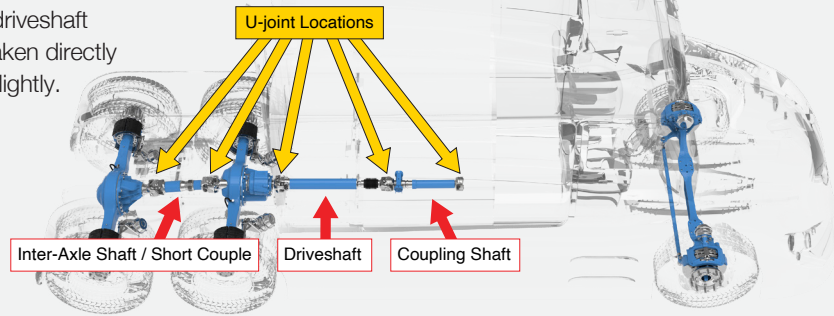
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Measuring Installed Length

This is an effective way to determine the length of a driveshaft that is damaged or missing. These dimensions are taken directly off the truck. Your installed measurement may vary slightly.

- Center of U-joint to center of U-joint
- Flange face to flange face
- Center of yoke to center of flange face

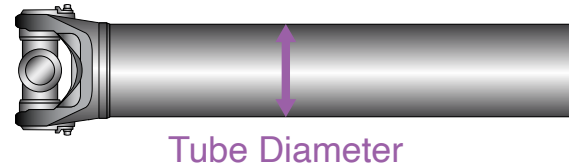


8

Calculate Tube Diameter

Measure your tubing diameter in either inches (in) or millimeters (mm)

- Note: If your measurement or selection is not displayed, your driveshaft may not be offered through this program. Please contact your local Original Equipment Manufacturer to verify your part number.

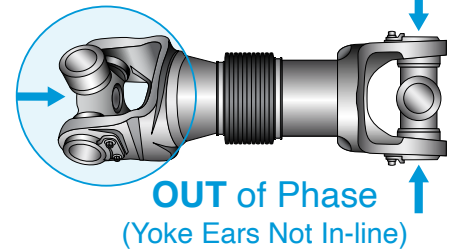
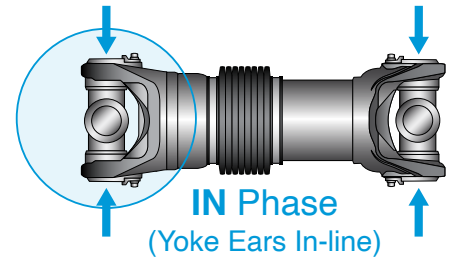


9

Select Phasing

Phasing refers to how the ears of the yoke are oriented to each other. Phasing is calculated and implemented at the OE level to counteract vibrations in the driveline.

- Note: We do not recommend taking a driveshaft apart and rewelding it so that it's in phase or out of phase from the original factory specifications.

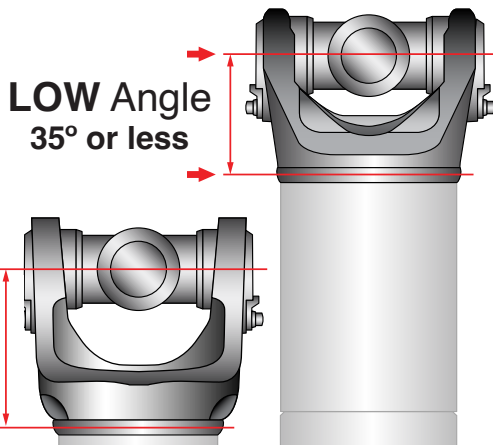


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Determine Yoke Angle

Calculate high/low angle by measuring from point of weld to center of U-joint at tube/weld yoke. **See red arrows.**

- **LOW ANGLE** = 35° or less
- **HIGH ANGLE** = 38° or more



A Spicer ReadyShaft™ part number has been generated using the Dana EZ-ID™ Tool and nothing but dimensional data.

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