Preventive Maintenance
Driveshaft inspection should be performed as part of your regular maintenance. Normal vehicle maintenance and recognition of component discrepancies are necessary to prevent serious mechanical problems and avoid driver discomfort. Failure to perform normal maintenance may also void the vehicle warranty.

Routine Inspection Steps
1. Check the output and input end yokes for looseness.
2. Check for excessive radial looseness of output/input shaft.
3. Check for looseness across ends of u-joint.
4. Check the slip spline for excessive radial movement.
5. Check the shaft for damage, bent tubing, or missing balance weights.
6. Check for a loose or missing slip yoke plug.

Failure Analysis
Component failures can result from improper maintenance, installation, or assembly procedures. This quick reference guide assists service technicians in recognizing some possible component failures.

Spicer Driveshaft Components Failure Analysis Guide
Learn how to identify failed driveshaft components.

Tubing
Twisted Tubing
- Excessive torque
- Driving into immovable object under power
- Spinning tires that suddenly grab hold

Failed Tubing
- Shock loads
- Improper welding procedures
- Excessive vibration
- Possible torsional vibration problem

Tube Shafts
Fractured Spline
- Excessive torque loads
- Shock loads
- Improper application

Spicer Parts.
Spicer® service parts deliver the same quality used by major original equipment manufacturers. Each component is engineered to work together to offer quality and reliability. Specify genuine Spicer parts for all of your driveshaft repairs.

For detailed servicing instructions, refer to the Spicer Driveshaft Service Manuals available at www.SpicerParts.com/literature.

Spicer® Ultra-Premium Synthetic Grease
You count on genuine Spicer Life Series u-joints for unparalleled performance. Do not skimp on the grease that keeps everything running smoothly! Spicer Life Series ultra-premium synthetic grease is the only synthetic lubricant that meets the precise standards that have made Spicer the name people everywhere trust. For more information visit us at www.SpicerParts.com/grease.

DANGER
Rotating shafts can be dangerous. You can snag clothes, skin, hair, hands, etc. This can cause serious injury or death. Do not go under the vehicle when the engine is running.
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Universal Joints

- Excessive u-joint operating angles
- Improper assembly procedures
- Sprung or bent yoke
- Lack of lubrication (improper maintenance)

- Water contamination
- Improper lube type
- Lubrication failure

- Excessive torque loads
- Shock loads
- Improper application
- U-joint kit failure

Yoke

- Excessive torque loads
- Shock loads
- Improper application
- U-joint kit failure

- Improper bearing retainer bolt torque
- Improper installation
- Strap was reused instead of replaced

How to Identify Failure and Probable Cause
Spicer Driveshaft Components Failure Analysis Guide

Learn how to identify failed driveshaft components.

**How to Identify Failure and Probable Cause**

**Tubing**

- Excessive torque
- Driving into immovable object under power
- Spinning tires that suddenly grab hold

**Twisted Tubing**

**Failed Tubing**

- Shock loads
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**Tube Shafts**

- Fractured spline

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