



5-275XS | Exchange and Installation

SPIKER WITHOUT SECRETS: 100% Spicer technical content with 0% complications | How to change Spicer 5-275XS crossheads

Written By: Spicer

The Spicer logo, consisting of the word "SPICER" in a bold, black, sans-serif font, with a red horizontal line underneath it. The logo is positioned on a white background that is part of a larger red graphic element.

Instalação de Cruzetas 5-275XS



INTRODUCTION

Changing a Spicer Series 10 crosshead is quite simple, and involves 3 activities: removing the old crosshead and analyzing the crosshead and gimbal; install the new cross, re-evaluating the cardan assembly and finally, lubricate.



TOOLS:

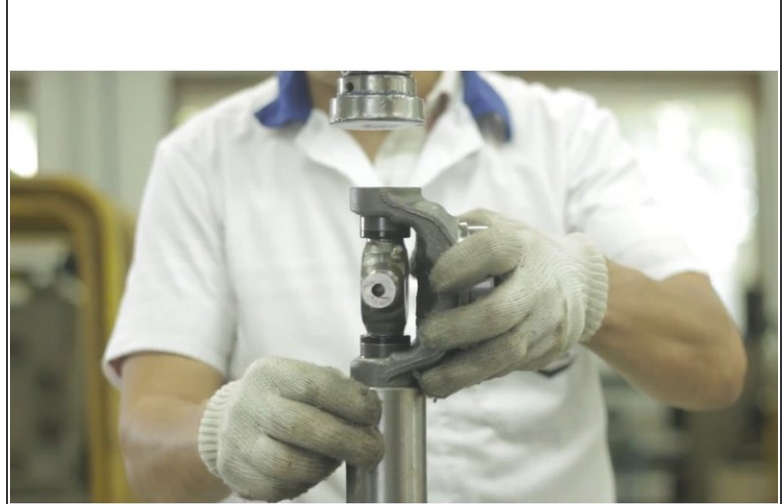
- [grease](#) (1)
- [Fixed Wrench \("mouth"\) 8](#) (1)
- [Polyurethane Hammer](#) (1)
- [Torno de mesa \(Vice\)](#) (1)
- [Hydraulic press](#) (1)
- [various shims](#) (1)
- [Support for the cardan](#) (1)
- [Inner ring pliers](#) (1)



PARTS:

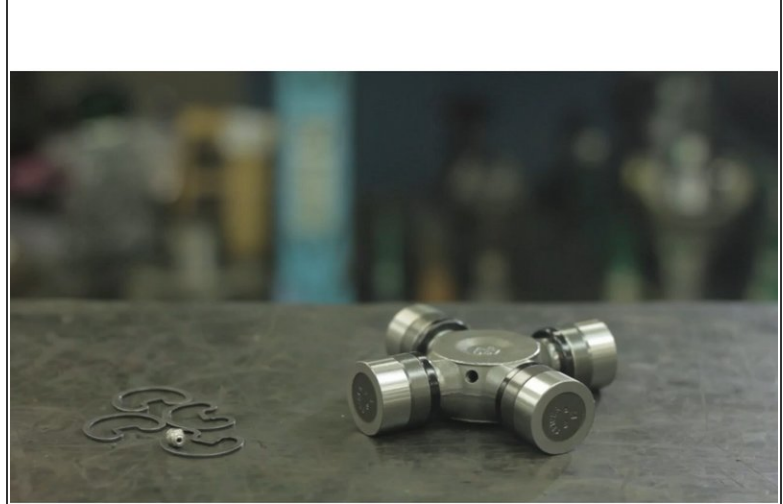
- [Spicer 5-275XS Crosshead](#) (1)

Step 1 — Disassembling the 5-275XS crosshead



- Use extractor pliers to remove the snap rings from the covers;
- Using a press, press the covers until the crosshead body touches the inside of the eyelet. **Pay attention to the leveling and alignment of the press so as not to harm the sleeve, flange or terminal, use a support that allows the cover to pass through;**
- The cover seals may prevent them from coming loose easily, after pressing, use pliers to remove them;
- Repeat the operation on the opposite side;
- When removing the covers, check that all the rollers are contained, and examine the crosshead body for marks or excessive wear. These signs indicate other problems with the Cardan, such as misalignment or lack of lubrication.

Step 2 — Mounting the new cross



- Do not reuse covers or locking rings. The Spicer Kit provides all necessary accessories; Check that there are no impurities or oxidation in the sleeve fixing eyes, flanges or terminals;
- Remove the crosshead covers carefully so as not to misalign or remove the rollers;
- Position the crosshead with the grease fitting facing the pipe and the ends of the grease fitting facing the sides, never towards the eyelet; Position the cover on the bottom eyelet perpendicularly, do not use oil or grease on the eyelets;
- With the cover pre-fitted, use shims to press the covers until the channel is free to place the lock ring. **In this process, as well as in disassembly, it is essential to pay attention to the leveling and alignment of the assembly;**
- Before assembling the cover on the opposite side, check that the locking ring is correctly positioned;
- Check that the crosshead moves freely and without noise;

Step 3 — Final Checks



- SPICER RECOMMENDS USING LITHIUM SOAP-BASED GREASE WITH EP ADDITIVES AND NLGI 2 CONSISTENCE GRADE.
- BEFORE REMOVING THE GARDAN, MAKE MARKINGS TO ENSURE ALIGNMENT.

Step 4 — Safety is the result of the work of all of us.

**Segurança SEMPRE
em primeiro lugar**



- Under no circumstances should you attempt any repair or maintenance for which you are not

trained or if you do not have the tools and equipment to perform the repair.

- Always wear proper safety glasses when performing any type of maintenance. Failure to wear safety glasses may result in injury and/or partial or complete loss of vision.
- Always be careful when working with products that have sharp edges.
- Improper lubrication or reuse of coupling parts or screws can cause the driveshaft to fail or even separate from the vehicle. A driveshaft that is separated from the vehicle can cause accidents and even fatalities. Do not take risks with safety.

Step 5 — Respect the Environment



- An important part of your workshop's work and operation is the correct disposal of products that will be replaced. Do your part and together we can contribute to a sustainable future.
- Find out more at <http://www.spicer.com.br/danatureza>

After installing the universal joint on the driveshaft, follow the lubrication procedures as per the specific guide for the 10 series available at [5-275XS | Lubrication](#)