



210084-2XR | Exchange and Installation

SPIKER WITHOUT SECRETS: 100% Spicer technical content with 0% complications | How to change the Spicer Central Bearing series 1550, SPL70 and SPL90.

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 above a large red rectangular area that contains white diagonal lines and the text "Substituição do Mancal Central 210084-2XR" and the Dana logo.

**Substituição do Mancal Central
210084-2XR**



INTRODUCTION

Replacing a Spicer Central Bearing is a simple procedure and involves 6 steps: removing the Cardan, disassembling the Fixed End, disassembling the Central Bearing, installing the Bearing and Central Bearing, assembling the Fixed End and installing the Cardan in the vehicle.



TOOLS:

- [Polyurethane Hammer](#) (1)
- [pulley pulley](#) (1)
- [Torquemeter](#) (1)
- [3/8" mouth socket](#) (1)
- [1-5/8" socket](#) (1)



PARTS:

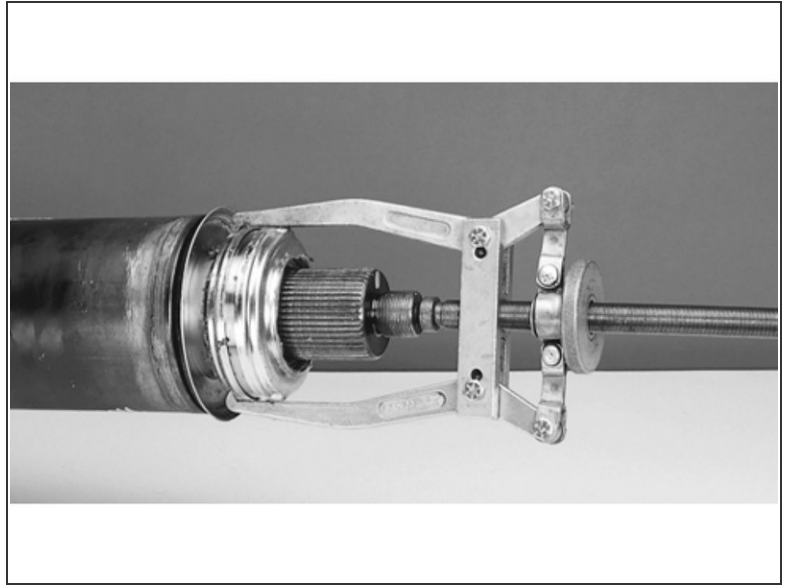
- [Mancal Central 210084-2XR](#) (1)

Step 1 — Cardan Removal



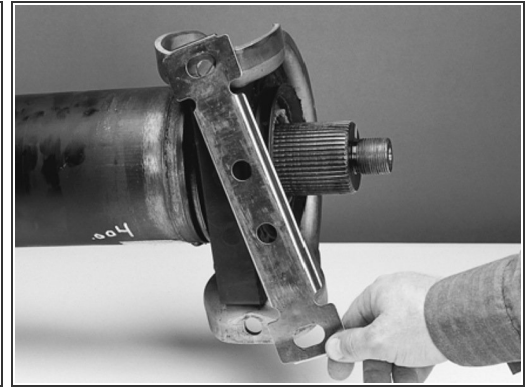
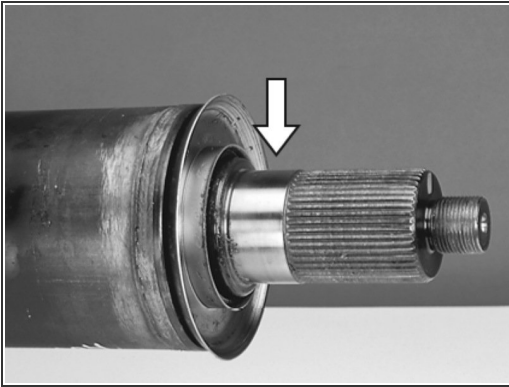
- **Never remove the Cardan without first making sure that the vehicle is braked or chocked;**
- **Before removing the Cardan, mark the components to ensure alignment, use a ruler if necessary;**
- To make the work easier, disassemble the Cardan using the Crosshead closest to the Central Bearing;
- Remove the crosshead clamps;
- Before removing the Bearing, loosen the nut of the Fixed Tip;
- Loosen the screws that fix the Bearing Stand to the chassis;
- Remove the Cross from the other end of the Cardan;
- Remove the Cardan from the vehicle.

Step 2 — Disassembly of the Central Bearing



- With the Gimbal outside the vehicle, do not use hammers or steel mallets to loosen the Gimbal Terminal, impacts can fracture the parts. Use a suitable extractor and, if necessary, use a polyurethane hammer;
- Remove the rubber pad from the Bearing, if necessary use a lever or spatula;
- If it is difficult to remove the bearing, do not use saws or chisels to cut it, impacts can damage the tip or even unbalance the Cardan. The use of torches or heat to dilate the bearing is also not indicated, the variation of heat can generate warping. Use a bearing extractor (pulley bag).

Step 3 — Central Bearing Assembly



- Thoroughly clean the components and housings before assembling;
- Fit the Central Bearing assembly manually, if necessary, use a polyurethane hammer to adjust the bearing positioning. Assemble the central bearing on the Cardan tip using a tubular extension supporting the bearing by the metallic inner ring, taking care not to damage the bearing seal.
- Place the Cardan Terminal;
- Position the nut and washer on the Fixed End.

Step 4 — Reinstallation of Cardan



- **Carefully observe the markings made on the Cardan for correct alignment;**
- Start the assembly from the end opposite the Cardan Bearing;
- Install the Bearing on the Chassis and tighten the Stand screws. Make sure that the central bearing has not been deformed after being fixed. Misalignments can cause damage to the bearing's rubber pad;
- **Apply 644 to 712 Nm of torque to the Fixed Tip nut.;**
- Assemble the Cross. Position the clamps. **Torque the clamp bolts to 162.7 to 183 Nm.**

Step 5 — Final Checks



- CHECK THE MARKINGS TO ENSURE THE ALIGNMENT.

Step 6 — 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 have

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

- Always wear the proper safety glasses when performing any type of maintenance. Failure to wear safety glasses could result in injury and/or partial or complete loss of vision.
- Always be careful when working with products that have sharp edges.
- Inadequate lubrication or reuse of coupling parts or screws can cause the gimbal to fail or even separate the gimbal from the vehicle. A separate vehicle gimbal can cause an accident and even death. Don't take any chances with security.

Step 7 — Respect the Environment



youtube.com/SpicerBrasil

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

