LONGFIELD™ 30 SPLINE SUPER SET

RECOMMENDED TOOLS

17mm Socket and Ratchet
Floor Jack
Jack Stand
Grinder

CAUTION

1. Read all instructions completely and carefully before you begin.

2. Check to make sure the kit is complete and that no parts are missing (refer to the Kit Contents List on the first page of these instructions). If anything is missing, please contact Trail-Gear at 559.252.4950.

3. Park vehicle on a clean, dry, flat, level surface and block the tires so the vehicle can not roll in either direction.

INSTALLING BIRFIELD

STEP 1

Clean all the grease out of your knuckle the best you can.

STEP 2

Take the birfield without the inner shaft. Put it in the spindle; bolt it to the knuckle with 2 bolts. Try and spin the birfield by hand or with vice grips. Turn the knuckle left and right if it hits inside the housing spray paint inside the ball joint housing and try turning it again this way you can see where it is hitting.

STEP 3

After you see where it is hitting most of the time on the bottom you will see a little high ridge around the trunion bearing area that might have to be ground down.
Here are a couple of tools that work great. After grinding I use a little magnet to clean it up.

STEP 4

After you're sure the birfield fits, tap the inner axle in the birfield, you will see a snap ring on the inner axle, there is a snap ring groove in the birfield. Your birfield is already packed with grease.

STEP 5

Now you're ready to put the birfield and inner shaft in the housing. Make sure you put grease around the spindle bushing area on the birfield and the seal area of the shaft this helps the bigger shaft to slide into the seal with out damaging it. You have to slide the shaft in push down and inward on the birfield and at the same time turn your drive shaft back and forth to line up the splines. After everything is installed pull the square plug out of your knuckle and pump about a 1/2 tube of grease in each side.