

# INSTALLATION INSTRUCTIONS



## LONGFIELD™ LAND CRUISER GUN-DRILLED 30-SPLINE SUPER SET

301712-1-KIT 24-SPLINE (1990-1997 TOYOTA LAND CRUISER FJ80 4WD, 1995-1997 LEXUS LX 450 4WD)

301720-1-KIT 30-SPLINE (1990-1997 TOYOTA LAND CRUISER FJ80 4WD, 1995-1997 LEXUS LX 450 4WD)

305794-1-KIT (1999-CURRENT TOYOTA LAND CRUISER LC79)

## KIT CONTENTS



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303730-1-INS

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## RECOMMENDED TOOLS

Ratchet & Socket Set

Torque Wrench

Snap Ring Pliers

54mm Spindle Lock Nut Socket, TG P/N 140157-1-KIT

Arbor Press (For vehicles equipped with ABS only)

Floor Jack

Jack Stand

Flat Head Screwdriver

Knuckle Pull Scale, TG P/N 170004-KIT (For Bearing Preload)

## CAUTION

1. Read all instructions completely and carefully before you begin. If anything is not clear, please call our tech support line at 1.877.4X4.TOYS or 559.252.4950 before proceeding.
2. Check to make sure the kit is complete and that no parts are missing (refer to the Kit Contents Section on the first page of these instructions). If anything is missing, please contact Trail-Gear at 1.877.4X4.TOYS or 559.252.4950.
3. Park vehicle on a clean, dry, flat, level surface and block the tires so the vehicle cannot roll in either direction.
4. This kit is for off-road use only. It is recommended that the installation steps below be performed by a competent mechanic. Buyers and users of this product hereby expressly assume all risks associated with the installation and use of this kit.
5. This installation is typical for most Toyota FJ80/Lexus LX 450 vehicles. Some years or models may vary. If necessary, refer to the proper Factory Service Manual for the year and model of your FJ80/LX 450.

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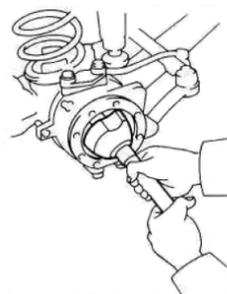
## LONGFIELD™ LAND CRUISER GUN-DRILLED 30-SPLINE SUPER SET

### Installation Note:

The birfields supplied in this kit will work all FJ80 model years. However, if your vehicle is equipped with short drive flanges (1990-1993 model years), you will not be able to reinstall the stock hub cap back onto the drive flange. You will need to discard the stock hub cap and use the extended hub caps provided in this kit. If your vehicle is equipped with tall drive flanges (1994-1997 model years), you may reuse your stock hub caps or the extended hub caps provided in this kit.

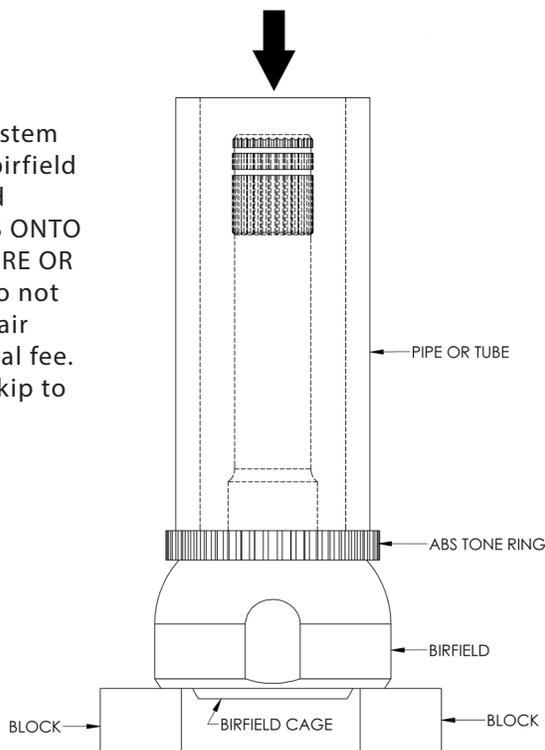
### STEP 1

Loosen the lug nuts securing the wheel to the axle. Raise the front end with a floor jack and place a jack stand under the frame. Remove the lug nuts and remove the wheel from the axle. Following the procedure outlined in the Toyota Land Cruiser FJ80 Factory Service Manual, disassemble the front axle until the axle & birfield can be removed. Make sure that the flat on the side of the birfield is facing up. Remove & discard the stock axle & birfield.



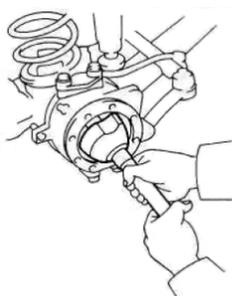
### STEP 2

If your vehicle has an Anti-Lock Braking System (ABS), install the ABS tone rings onto the birfield as shown using an arbor press, tubing, and blocks. DO NOT HAMMER THE TONE RINGS ONTO THE BIRFIELD. DO NOT APPLY ANY PRESSURE OR FORCE ONTO THE BIRFIELD CAGE. If you do not have an arbor press, many automotive repair shops will install the tone ring for a nominal fee. If your vehicle is not equipped with ABS, skip to Step 3.



### STEP 3

Insert the axle shaft securely into the birfield. Apply wheel bearing grease to the lip of the inner axle seal. Rotate the birfield until the flat on the side of the birfield is facing up. Insert the new axle/birfield assembly into the axle housing.



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### STEP 4

Following the procedure outlined in the Toyota Land Cruiser FJ80 Factory Service Manual, reassemble all components back onto the front axle. Reinstall the wheel and lug nuts.

### STEP 5

Lower the vehicle. Torque the lug nuts to the torque specified in the Toyota Land Cruiser FJ80 Owner's Manual. Repeat Steps 1-5 for the other side of the vehicle.

### STEP 6

Take the vehicle for a short test drive. After the test drive, check the torque on all hardware and tighten as necessary.

## REPLACEMENT PARTS

