

SAMURAI SPRING OVER AXLE KIT

111253-3-K

KIT CONTENTS





RECOMMENDED TOOLS

	Wrenches	Sockets
Welder		
Angle Finder	10mm	10mm
Grinder	12mm	12mm
	14mm	14mm
	17mm	17mm
	19mm	19mm
		7/8"

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.

INSTALL INSTRUCTIONS (CONT'D.)



STEP 1

Unbolt front driveline and check the pinion angle at ride height (should be about 8°).



STEP 2

Remove front axle.



STEP 3

Place the axle level on 2 jack stands. Place another stand under the pinion. Rotate the pinion to the angle measured in step 1.

STEP 4

Using the stock perches as a reference, place the new perches above the stock perches. The new perches will be welded on at 0° (level). Perch width pin to pin should be 28 1/2".



STEP 4 CONTINUED

STEP 5

Unbolt the rear driveline, brake line, e-brake cable, and remove rear axle. You do not need the pinion angle.



INSTALL INSTRUCTIONS (CONT'D.)



STEP 6

Using the same method as step 3, set the pinion angle between 12° and 15°.



STEP 7 CONTINUED

STEP 7

Repeat step 4 for the rear perches. Perch width pin to pin should be 37 1/2".



STEP 8

Place axles under the vehicle and install new u-bolt flip kits. Note: 1 pair of U-Bolts will be wider than the other three pairs. These will be used on the passenger side of the front axle. Torque u-bolts to 100 ft lbs.



STEP 9

Install the new brake lines and clips. Note: 88.5-95 models only require one rear brake line. 86-88.5 models will require both provided rear brake lines.



STEP 9 CONTINUED



INSTALL INSTRUCTIONS (CONT'D.)



STEP 9 CONTINUED



STEP 10

Reinstall the e-brake assembly.



STEP 11

Install the driveline spacers. The front driveline spacer will be mounted at the t-case. The rear spacer will be mounted at the pinion. Note: For 86-89 Samurai's use provided 8mm hardware, 90-95 will require provided 10mm hardware.



STEP 11 CONTINUED

