



# NISS2-SAS-KIT

## INSTALLATION MANUAL

### Recommended parts

This list is comprised of recommended parts that can assist in completing a solid axle swap project with the use of Shadow Wolf Manufacturing Nissan Gen 2 Frontier/Xterra SAS kit part# NISS2-SAS-KIT. Customers are not obligated to use the parts list but rather use this list as a guide and/or reference to buy parts that will fit their own setup needs. Included in this list is the parts that will come in the kit as a reference.

#### KIT INCLUDED PARTS

- Lower Radius Arms
- Upper Radius Arms
- Track Bar
- Axle Brackets
- Front Chassis Cradle
- Front Crossmember
- Shock Hoops
- Transmission Crossmember
- Transmission Skid Plate
- Center/Mid Crossmember
- Front steering drag link
- Hardware
- transfer Case Adapter
- Power Steering universal adapter

#### Options:

- Transfer Case Skid Plate
- Rear Bump stop extensions (Xterra)
- Sterling 10.5 Rear U-Bolt Kit
- Rear Adjustable Shackles
- SUA kit for Xterra (Welding required)

#### FRONT AXLE

- 2005-2016 FORD SD F-250/F-350 FRONT DANA 60 RADIUS ARM BASE AXLE (69" WMS)

#### REAR AXLE

- 99-2004 FORD SD F-250/F-350 REAR STERLING 10.5 w/ REMOVABLE SHOCK MOUNTS (68.5" WMS)
- 2005-11 FORD SD F-250/F-350 REAR STERLING 10.5 w/ REMOVABLE SHOCK MOUNTS (68.5" WMS)
- 2011-16 FORD SD F-250/F-350 REAR STERLING 10.5 w/O REMOVABLE SHOCK MOUNTS & HUB BASED WHEEL SPEED SENSORS (68.5" WMS) (RECOMMENDED)

#### FRONT DRIVE SHAFT

- (HIGH STRENGTH) 99-CURRENT FORD F-250/F350 FRONT CV STYLE DRIVESHAFT (NEEDS TO BE SHORTENED)
- (HIGH STRENGTH) 2016-2019 NISSAN TITAN XD FRONT CV STYLE DRIVESHAFT
- (STANDARD STRENGTH) OEM GEN 2 FRONT DRIVESHAFT w/ 1310-TO-1350 COMBINATION U-JOINT



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### REAR DRIVESHAFT & PINION YOKE COMBINATION

- 2005-2019 FRONTIER 4WD KING CAB/ CREW CAB REAR DRIVESHAFT (NEEDS TO BE SHORTENED FOR XTERRA)
- PINION YOKE 1350 SERIES FORGED U-BOLT STYLE FITS 1993-2007 FORD F-250/F-350 10.25 & 10.5 (PART#9870041) W/ COMBINATION U-JOINT 1330-1350 (NEAPCO PART#2-3050) (ADAPTS NISSAN DRIVESHAFT TO FORD AXLE)

### POWER STEERING

- 99-2004 NISSAN FRONTIER/XTERRA 4WD STEERING GEAR BOX W/OEM PITMAN ARM
- 99-2004 NISSAN FRONTIER/XTERRA STEERING GEAR BOX STEERING SHAFT (GEAR BOX TO FLEX COUPLING)
- 2005-11 FORD F-250/F-350 LEFT & RIGHT LOWER TIE RODS W/ CENTER TIE ROD TUBE
- HYDRAULIC HOSE WITH AN FITTINGS OR HYDRAULIC HARD LINE

### BRAKES

- CALIPER BANJO FITTING (REF PART# SUM-220328)
- SS BRAKE LINES -3AN 24IN LENGTH FOR 10" SHOCKS (REF PART#EAR-63010124ERL)
- METRIC BRAKE LINE ADAPTER (REF PART# EAR-989545ERL)
- M10-1.0 TO M12 BRAKE FITTING ADAPTER
- 12IN 3/16" BRAKE LINE W/ BUBBLE FLARE & M10-1.0 FITTINGS

### REAR LEAF SPRINGS

- 3" ADD-A-LEAF PACK
- CUSTOM ALCAN OR DEEVER
- ADJUSTABLE REAR SHACKLES

### FRONT SHOCKS

- 10" COILOVER SHOCKS
- 10" AIR SHOCKS

### REAR SHOCKS

- 3-4" LONGER SHOCKS OVER STOCK

### RING & PINION GEAR OPTIONS

- 3.73
- 4.10 (RECOMMENDED FOR 37" TIRES)
- 4.56 (RECOMMENDED FOR 37" TIRES)
- 4.88
- 5.38



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### **LOCKER OPTIONS**

- ARB AIR LOCKER**
- YUKON ZIP AIR LOCKER**
- OX AIR LOCKER**
- EATON E-LOCKER**
- YUKON GRIZZLY MECHANICAL LOCKER**
- DETROIT MECHANICAL LOCKER**
- LOCRITE MECHANICAL LOCKER**

### **REAR BUMPSTOP**

- 2-5" LONG BUMP STOPS**