

# 1050



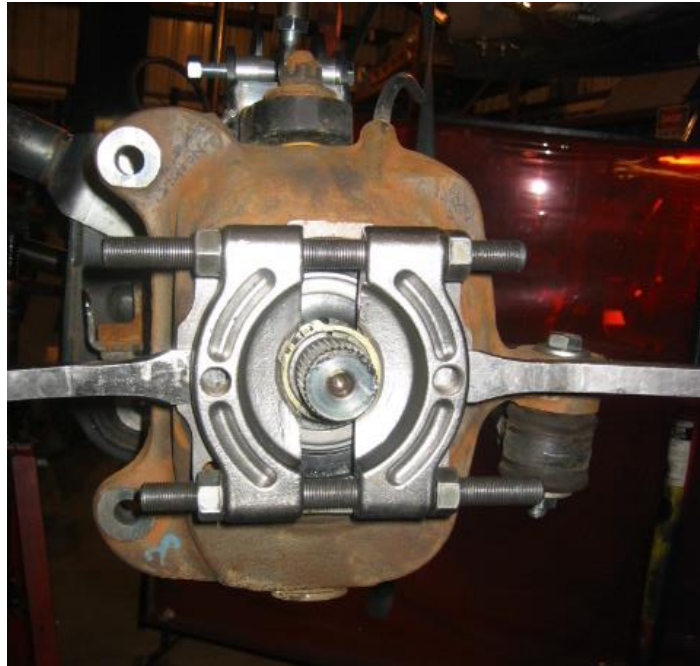
## 2005-2013 FORD F250/350 CROSSOVER STEERING KNUCKLE KIT

### FRONT SUSPENSION INSTRUCTIONS

1. Disconnect the negative terminal on the battery. With the vehicle on level ground, set the emergency brake and block the rear tires. Jack up the front end of the truck and support the frame rails with jack stands. NEVER WORK UNDER AN UNSUPPORTED VEHICLE! Remove the front tires.

2) Working front the passenger side of the vehicle, remove the brake caliper, rotor, locking hub assembly, remove inner snap ring on axle.

3) Remove inner axle with a 2 jaw puller or suitable puller.



4) Remove tie rod nut, use a hammer strike the knuckle to dislodge the tie rod from the steering knuckle, careful not to hit the tie rod .

5) Remove upper and lower ball joint nuts, lightly tap on the knuckle to remove knuckle.

6) Press the factory ball joint out of the factory steering knuckle, Careful not to damage the ball joints they will be reused on FTS crossover steering knuckle.

7) Press the factory ball joint into the FTS crossover knuckle.

8) Install the FTS crossover steering knuckle on the truck and torque the ball joint to factory specs.

9) Reinstall axle hub, locking hub, rotor and caliper to factory torque specs.

10) The kit supplies you with 2 tie rods and 2 jam nuts and 1 steering coupler assemble the jam nuts onto the tie rods then into the coupler. Use anti seize on the threads.

- 11) On 10" and 12" kit it requires you to use a factory pitman arm.
- 12) On 14" to 16" kit you will be supplied a drop pitman arm with the kit.
- 13) Install the steering tie rod into the knuckle then into the factory pitman arm.
- 14) Grease tie rods.
- 15) Center the steering wheel and road test.
- 16) This kit is designed to work with FULL THROTTLE SUSPENSION cross over track bar kit.

#### Product Warranty and Warnings-

FTS provides a Limited Lifetime Warranty to the original retail purchaser who owns the vehicle, on which the product was originally installed, for defects in workmanship and materials.

The Limited Lifetime Warranty excludes the following FTS items; bushings, bump stops, ball joints, tie rod ends, limiting straps, cross shafts, heim joints. These parts are subject to wear and are not considered defective when worn. They are warranted for 60 days from the date of purchase for defects in workmanship.

Reservoir shocks are considered a serviceable shock with a one year warranty on leakage only. Service seal kits are available separately for future maintenance. All other shocks are covered under our Limited Lifetime Warranty.

FTS does not warrant any product for finish, alterations, modifications and/or installation contrary to FTS instructions. Alterations to the finish of the parts including but not limited to painting, powder coating, plating and/or welding will void all warranties. Some finish damage may occur to parts during shipping which is considered normal and is not covered under warranty.

FTS products are not designed nor intended to be installed on vehicles used in race applications or for racing purposes or for similar activities. (A "RACE" is defined as any contest between two or more vehicles, or any contest of one or more vehicle against the clock, whether or not such contest is for a prize). This warranty does not include coverage for police or taxi vehicles, race vehicles, or vehicles used for government or commercial purposes. Also excluded from this warranty are sales outside of the United States of America.

Installation of most suspension products will raise the center of gravity of the vehicle and will cause the vehicle to handle differently than stock. It may increase the vehicle's susceptibility to a rollover, on road and off road, at all speeds. Extreme care should be taken to operate the vehicle safely at all times to prevent rollover or loss of control resulting in serious injury or death.

FTS makes every effort to ensure suspension product compatibility with all vehicles listed in the catalog, but due to unknown auto manufacturers production changes and/or inconsistencies by the auto manufacturer,

FTS cannot be responsible for 100% compatibility, including the fitment of tire and wheel sizes listed. The Tire and Wheel sizes listed in FTS' catalog are only a guideline for street driving with noted fender trimming. FTS is not responsible for damages to the vehicle's body or tires.

FTS' obligation under this warranty is limited to the repair or replacement, at FTS option, of the defective product only. All costs of removal, installation or re-installation, freight charges, incidental or consequential damages are expressly excluded from this warranty. FTS is not responsible for damages and/or warranty of other vehicle parts related or non related to the installed FTS product. This warranty is expressly in lieu of all other warranties expressed or implied. This warranty shall not apply to any product that has been subject to accident, negligence, alteration, abuse or misuse as determined by FTS.

FTS suspension components must be installed as a complete system including shocks as shown on our current website. All warranties will become void if FTS parts are combined and/or substituted with other aftermarket suspension products. Combination and/or substitution of other aftermarket suspension parts may cause premature wear and/or product failure resulting in an accident causing injury or death. FTS does not warrant products not manufactured by FTS.

Installation of FTS product may void the vehicles factory warranty; it is the consumer's responsibility to check with their local vehicle's dealer for warranty disposition before the installation of the product.

It is the responsibility of the distributor and/or the retailer to review all warranties and warnings of FTS products with the consumer prior to purchase.

FTS reserves the right to supercede, discontinue, change the design, finish, part number and, or application of parts when deemed necessary without written notice. FTS is not responsible for misprints or typographical errors within the catalog or price sheet.

Full Throttle Suspension has a no refund return policy. Under special circumstances, returns might be accepted with prior written approval. All returned product will be shipped freight prepaid. Product returned is subject to a 40% restocking fee. No returns will be accepted after 30 days upon receipt of product.

Thank You for choosing Full Throttle Suspension  
Tech support 559-271-8685 or send email to [fts.dwgs@gmail.com](mailto:fts.dwgs@gmail.com)