

INSTALLATION INSTRUCTIONS

Part #TOY-BBK-001



Notice to Dealer / Consumer

Important! Read all instructions before attempting any work on the vehicle.

Disclaimer Notice: Installing this suspension system on any vehicle implies that you are in agreement with the following term and conditions with respect to that vehicle, the vehicle owner, and any or all occupants of said vehicle at any time:

- Sky's Offroad Design is not responsible, and cannot be held responsible for any conditions of said vehicle including, but not limited to the following: 1) Any and all adverse behavior, premature failure, or breakage caused by oversized tires and wheels, improper installation, failure to follow instructions, or any general negligence caused by installer or owner of said vehicle. 2) Any breakage or premature failure caused by racing or driver negligence. 3) Any incident determined to be caused by an increase height in said vehicle's center of gravity. 4) Any incident determined to be caused by improper installation. 5) Any incident determined to be caused by a failure of materials.
- Sky's Offroad Design is to be held harmless by the installer of this suspension component, owner of said vehicle, and any parties related directly or indirectly to said vehicle or owner of said vehicle. Sky's Offroad Design is to be held harmless by all parties mentioned during the course of any and all circumstances or incidence resulting from the installation of this suspension component.
- It is not the intention of Sky's Offroad Design that said vehicle be modified for use on public highways sanctioned by the Department of Transportation, or any state or local governing body. Vehicle owner accepts sole responsibility for ensuring that said vehicle is not in violation of local, state, or federal laws or vehicle code. Please check local vehicle laws and regulations before modifying your vehicle.

By installing this kit or having this kit installed on your vehicle, you are implying that you agree to the above terms and conditions. Please do not install this system if you do not agree.

WARNING:

Vehicle modified for Off-road use may handle differently and vehicle may roll-over.

Vehicles modified for off-road are generally not designed to improve cornering or maneuverability on the highway, therefore it is imperative to familiarize yourself and all operators of the vehicle of the special driving characteristics of the vehicle. Failure to operate vehicle in a safe and conservative manner may cause you, your passengers and third parties to suffer serious injury or even death if control is lost and vehicle overturns.

Always wear your seatbelt and shoulder harness. Seatbelts not only help to protect occupants from injury but also keep the driver behind the wheel and in control when operating in rough terrain. Always remain on trails and observe conservation techniques while operating your vehicle.

Straight Axle Conversion Kit –TOY-BBK-001 Bill of Materials

Kit Contents	
2	Brake Caliper Brackets
8	Grade 10.5 M10-1.25x35mm JIS Bolts

INSTALLATION NOTES:

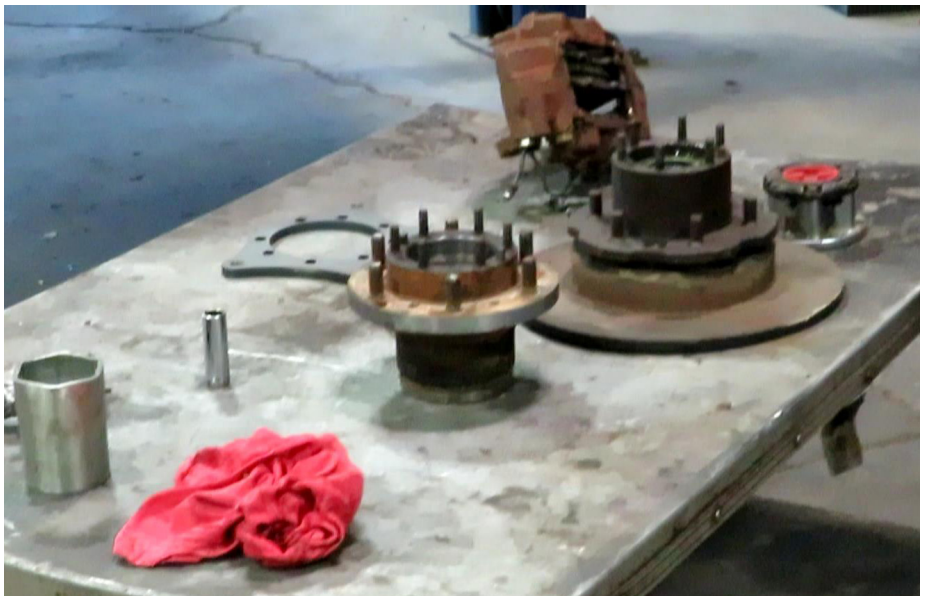
- Inspect the contents of the kit and read the entire instructions before proceeding.
- We recommend this installation be performed by a qualified technician
- Torque all hardware to factory specifications
- When removing wheels, support vehicle with jack stands
- Use only factory approved fluids

Tools needed for proper installation:



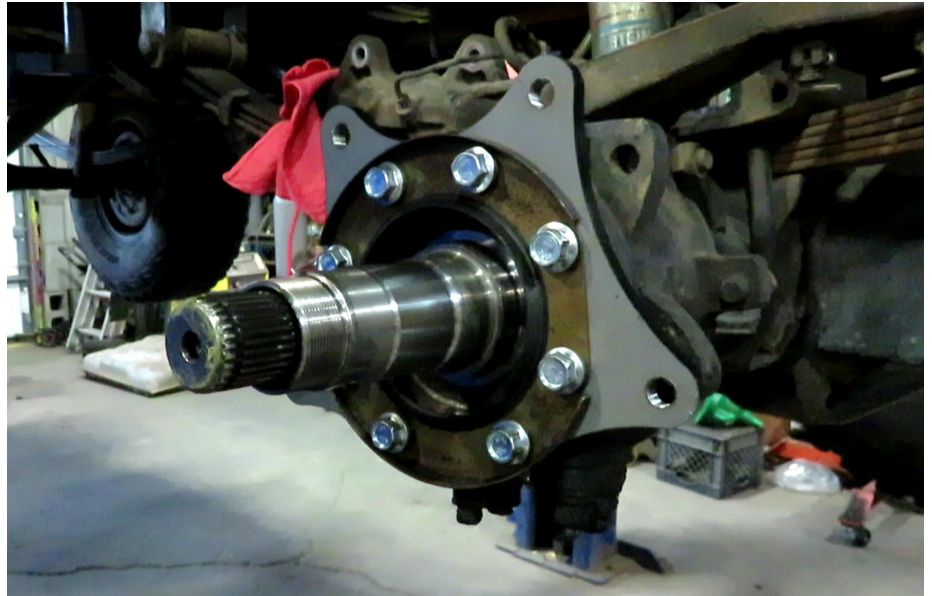
Hub Socket, Torque Wrench

1. Machine down donor IFS hubs about 0.600" or about to about 6.680 diameter for Tundra rotors to slip over the hub
2. Block the rear wheels, raise the front end of the vehicle and support the frame with jack stands behind the front wheels. Or properly lift vehicle with two post lift.
3. Remove caliper, locking hub, and hub assembly.
4. Cut old caliper mounting ears off knuckle or swap knuckles side to side.
5. Remove spindle bolts, backing plate and dust seal.



6. Install bracket with new hardware and dust seal

7. Torque to 38 ft-lb



8. Install newly machined hub.
To torque the wheel bearings properly:

(1) Torque the inner nut to 43 ft-lb, turn the hub right and left two or three times.

(2) Loosen the nut until it can be turned by hand

(3) Repeat 1 and 2

(4) Torque to 18-20 ft-lb depending on tire size.

(5) Install the lock washer and lock nut.

(6) Torque to 33 ft-lb

(7) Bend one tab in and one tab out to secure the lock nut.



9. Install Locking hubs or drive flanges with cone nuts and torque to 23 ft-lb

10. Install snap ring to axle shaft, install hub dial

11. Slide new rotor on, bolt caliper on, connect brake lines and bleed brakes.

