



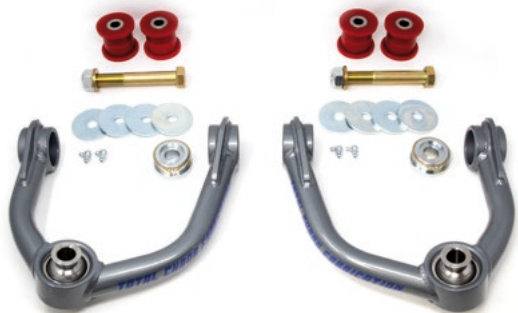
BUILT FOR TRAVEL

**UCA & LONG TRAVEL SUSPENSION
SALES GUIDE**

STOCK LENGTH UPPER CONTROL ARMS

1996 - 2002 4RUNNER 2WD/4WD

PART # 96500



Travel	Lift	Track Increase
1" additional	2-3"	0"



INSTALLATION INSTRUCTIONS



ADDITIONAL PRODUCT INFO & IMAGES

Bolt On

Optional Heim Pivot Upgrade

- TC includes 3/4" chromoly heim joints for the pivots.
- Heim upper control arms are fully adjustable to allow maximum tuning of caster and camber.
- Designed for use on 6" or higher drop bracket lift kits.

Kit Includes

UPPER A-ARMS W/ BUSHINGS
PLATED END WASHERS
1" UNIBALLS W/ RETAINING CLIPS
GRADE 8 HARDWARE
GREASE FITTINGS
BILLET SLUG ADAPTER

Features and Benefits

- UCA's are designed with added caster to aid in retaining factory alignment specs when aftermarket lift kits are installed. This reduces the darting or wandering in the vehicle's steering when 2.5"-3" lift kits are installed.
- Upper control arms combined with extended length coil over shocks will allow for up to 1" of additional wheel travel.
- Urethane bushings reduce bushing deflection compared to stock rubber bushings.
- CNC machined slug adapters press into the spindle and convert the factory ball joint to a 1" uniball for added component strength & maximum wheel travel.
- TOTAL CHAOS includes 1" I.D. uniballs that feature a heat treated stainless steel ball & heat treated stainless steel race for maximum corrosion resistance and component longevity. These uniball's also features a military grade PTFE woven fabric liner that helps prevent noise.
- Custom profile upper and lower hi-misalignment spacers maximize droop wheel travel and are machined from heat treated 17-4 stainless steel. The lower hi-misalignment spacer registers into the slug adapter for maximum strength.
- 4130 chromoly tubular upper control arms are 100% bolt on and hand crafted in the U.S.A.
- Control arm pivots include zerk fittings to grease the urethane bushings & inner sleeves without disassembly.
- 3 stage powder coat process includes a durable clear coat to provide a long lasting finish.
- Complete grade 8 hardware kit is included.
- *Not compatible with lift kits from Tuff Country.

Recommended Tire & Wheel Combination

Tire	Wheel	Backspace
285/75/R16	16 x 8	4.5"
285/70/R17	17 x 8.5	4.75"

Recommended Primary Shock Setup

2.5" Diameter Extended Travel Coilover Shocks

Shock Manufacturer	Part #
Fox Shocks	880-06-409
King Shocks	KNG-25001-151-EXT



TOYOTA 4RUNNER STOCK LENGTH ACCESSORIES

ACCESSORIES SPECIFIC TO PART #96500

FRONT



KING 2.5" EXTENDED TRAVEL COILOVERS W/ COMPRESSION KNOBS



- Adjustable ride height ranging from 2"-3" of lift.
- 1" extra droop wheel travel when combined with 96500 upper control arms.
- Compression adjuster knobs allow user to fine tune ride for optimum performance.
- All necessary mounting brackets and hardware are included along with detailed instructions.

Part # KNG-25001-151-EXT



SPINDLE GUSSET



- Must have reinforcement for anyone who wants to run hard in the dirt!
- Strengthens spindle uprights and prevents the knuckle from damage during hard impacts under braking.
- 1/8" prebent laser cut mild steel brackets.
- Eliminates the factory sway bar.
- Welding and grinding are required to install.

Part # 59697



LOWER CONTROL ARM CAM TAB GUSSETS



- Reinforces weak factory cam alignment tab plates that bend during bottom outs or hard front impacts.
- CNC laser cut 1/8" 4130 chromoly replacement cam plates weld to the frame.
- 1/4" thick lower cam alignment tabs will not bend like factory tabs.
- Welding and grinding are required to install.

Part # 59960



POLYURETHANE STEERING RACK BUSHING KIT



- Eliminates sloppy steering and unwanted rack movement caused by worn out rubber bushings.
- 100% bolt-on.
- Replaces all three factory rubber bushings.

Part # 96701



COIL BUCKET TOWER GUSSETS



- Reduces upper coil bucket flex and double shears factory upper control arm bolt.
- Compatible only with TC UCA's or L/T kits - not intended for use with factory control arms.
- Welding and grinding are required to install.

Part # 59650



SECONDARY SHOCK HOOP



- Maximize vehicle dampening control when you install a dual 2.5" shock mount system.
- 4130 prebent chromoly shock hoops are designed to install secondary 2.5" smooth body or bypass shocks for maximum IFS dampening control.
- Kit includes weld-on lower shock mounts for factory lower control arms.
- Reinforces the factory coil bucket and helps reduce flex.
- Upper shock tabs are tacked in place to aid in secondary shock location set up.
- Includes Grade 8 hardware.
- Welding and grinding are required to install.

Part # 96602



KING 2.5" EXTERNAL BYPASS SECONDARY SHOCKS



- Designed for use with TC secondary shock hoops (PN: 96602).
- Externally adjustable compression and rebound tubes.
- 2.5" diameter with remote reservoirs.

Part # KNG-PR2506-BP2P

TOYOTA 4RUNNER STOCK LENGTH ACCESSORIES

ACCESSORIES SPECIFIC TO PART #96500

REAR



KING 2.5" REAR SHOCKS W/ COMPRESSION KNOBS



- Compression adjuster knobs allow user to fine tune ride for optimum performance.
- 2.5" diameter shock bodies with remote reservoirs for optimum cooling.
- Application-specific valving for improved ride quality.

Part # KNG-25001-334A



CHROMOLY ADJUSTABLE REAR LINKS

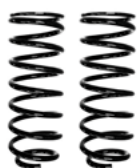


- Offers 1.5" more droop travel over stock when longer shocks are installed.
- Upper, lower and pan hard bars are designed to incorporate a heim joint making the entire rear link system length adjustable.
- 100% bolt on.
- Constructed from 1 1/4" .375 wall 4130 chromoly tubing for maximum strength.
- Includes urethane pivot bushings.
- Hi-misalignment spacers are included.

Part # 96450



TOYTEC SUPERFLEX REAR COILS



- 2" rear lift "Superflex" coil springs offer 10% increase in load capacity/spring rate.
- Superflex coils will flex better than any other coil on the market while adding 2" additional flex per side when used with extended shocks.
- Coils ride similar to stock with improved off road performance.

Part # TYC-024RCB





TOYOTA 4RUNNER STOCK LENGTH ACCESSORIES

ACCESSORIES SPECIFIC TO PART #96500

PREP



1" STAINLESS STEEL FK UNIBALL AND SNAP RING REPLACEMENT KIT



Part # FK-REP KIT

- 1" I.D. uniballs feature a heat treated stainless steel ball & heat treated stainless steel race for maximum corrosion resistance and component longevity.
- Performance parts will require periodic maintenance based on your driving habits & local conditions.
- Uniballs include a military grade PTFE woven fabric liner that helps prevent noise.
- Snap rings included.
- Sold as a pair.



1" UNIBALL REMOVAL / INSTALL TOOL



Part # 96006

- Aids in the removal and reinstallation of a 1" uniball from any uniball cup during vehicle prep.
- Designed to be used with any hydraulic press, shop press or hammer.
- Prevents damage to new uniball during reassembly.



URETHANE BUSHING KIT: UPPER CONTROL ARMS



Part # 69000

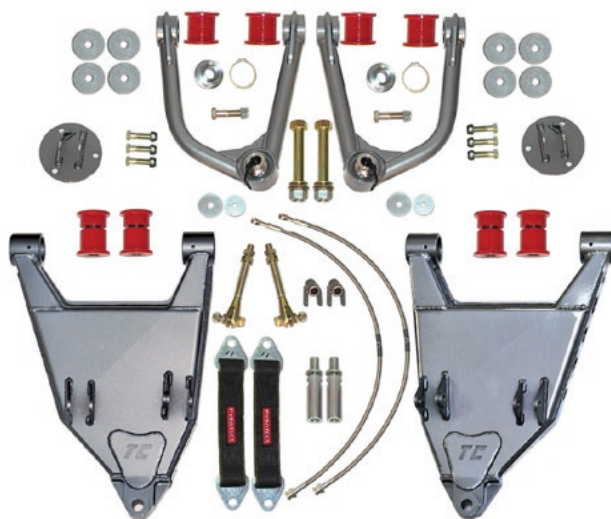
- Complete TC upper control arm urethane replacement bushing kit.
- Performance parts will require periodic maintenance based on your driving habits & local conditions.
- Inspect bushings and other equipment regularly.
- Contact our facility direct to order these items.



3.5" BOXED LONG TRAVEL SYSTEM

1996 - 2002 TOYOTA 4RUNNER 2WD/4WD

PART #96000BK-4 [KING/FOX]



Kit Includes

- UPPER A-ARMS W/ BUSHINGS & ZERK FITTINGS
- LOWER A-ARMS W/ BUSHINGS
- TIE-ROD EXTENSIONS
- PLATED A-ARM END WASHERS
- D.O.T. BRAIDED BRAKE LINES
- 1" UNIBALLS W/ RETAINING CLIPS
- BOLT-ON UPPER SHOCK MOUNTS
- LIMIT STRAPS W/ ADJUSTERS & MOUNTS
- GRADE 8 HARDWARE
- HI-MISALIGNMENT SPACERS

Features and Benefits

- 3.5" extended upper and lower control arms bolt to factory mounting locations. Fiberglass fenders are required. 13" Travel.
- Upper ball joints are upgraded to 1" stainless steel uniballs for max travel and component strength.
- Boxed lower control arms are designed with internal gussets and are pre tabbed for dual 2.5" shock capability.
- Several spring rate options allow the ability to customize your ride for your specific application.
- Primary coil over shocks bolt into the factory coil bucket location to maximize tunability, overall articulation & performance.
- Optional remanufactured Tundra axles and CV joints that are custom modified by TC to retain 4WD. (not included)
- Race proven IFS equipment in China, Baja and South America!
- Heim pivot upper control arms can be custom ordered for this kit (see next page).

Travel	Lift	Track Increase
13"	3-4"	7"



INSTALLATION INSTRUCTIONS



ADDITIONAL PRODUCT INFO & IMAGES

Bolt On

Recommended Tire & Wheel Combination

Tire	Wheel	Backspace
285/75/R16	16 x 8	4.5"
285/70/R17	17 x 8.5	4.75"

Recommended Primary Shock Setup

2.5" Diameter Extended Travel Coilover Shocks

Shock Manufacturer	Part #
Fox Shocks	883-02-056
King Shocks	KNG-TC5151-03

Recommended Secondary Shock Setup

2.5" External Bypass Shocks

Shock Manufacturer	Part #
Fox Shocks	982-02-954
King Shocks	TC-1151-34

Note: TC Hoop Part # 96601 is required

Required Additional Parts for Installation

Part	Part #
Coilover Shocks	See Above Table
TC Extended Axles (4WD MODELS)	96300 (auto hubs only)

Application Notes

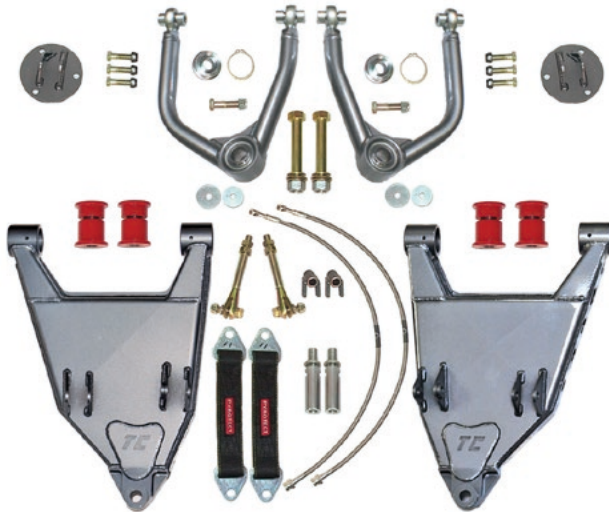
- Suspension travel varies on every vehicle. Welding is required to mount the limit strap mounts and bump stop spacer.
- This kit was not intended to use air bumps.
- Fiberglass fenders required.

3.5" BOXED LONG TRAVEL SYSTEM W/ HEIMS

1996 - 2002 TOYOTA 4RUNNER 2WD/4WD



PART #9600BK-4H [KING/FOX]



Kit Includes

- UPPER A-ARMS W/ HEIMS
- LOWER A-ARMS W/ BUSHINGS
- TIE-ROD EXTENSIONS
- D.O.T. BRAIDED BRAKE LINES
- 1" UNIBALLS W/ RETAINING CLIPS
- BOLT-ON UPPER SHOCK MOUNTS
- LIMIT STRAPS W/ ADJUSTERS & MOUNTS
- GRADE 8 HARDWARE
- HI-MISALIGNMENT SPACERS

Features and Benefits

- 3.5" extended upper and lower control arms bolt to factory mounting locations. Fiberglass fenders are required. 13" Travel.
- Upper ball joints are upgraded to 1" stainless steel uniballs for max travel and component strength.
- 4130 chromoly tubing heim upper control arms are fully adjustable to allow maximum tuning of caster and camber.
- Primary coil over shocks bolt into the factory coil bucket location.
- Boxed lower control arms include dual 2.5" shock tabs.
- Several spring rate options allow the ability to customize your ride for your specific application.
- Maximize tune ability, overall articulation & performance.
- Optional remanufactured Tundra axles and CV joints that are custom modified by TC to retain 4WD. (not included)

Travel	Lift	Track Increase
13"	3-4"	7"



INSTALLATION INSTRUCTIONS



ADDITIONAL PRODUCT INFO & IMAGES

Bolt On

Recommended Tire & Wheel Combination

Tire	Wheel	Backspace
285/75/R16	16 x 8	4.5"
285/70/R17	17 x 8.5	4.75"

Recommended Primary Shock Setup

2.5" Diameter Extended Travel Coilover Shocks

Shock Manufacturer	Part #
Fox Shocks	883-02-056
King Shocks	KNG-TC5151-03

Recommended Secondary Shock Setup

2.5" External Bypass Shocks

Shock Manufacturer	Part #
Fox Shocks	982-02-954
King Shocks	TC-1151-34

Note: TC Hoop Part # 96601 is required

Required Additional Parts for Installation

Part	Part #
Coilover Shocks	See Above Table
TC Extended Axles (4WD MODELS)	96300 (auto hubs only)

Application Notes

- Suspension travel varies on every vehicle. Welding is required to mount the limit strap mounts and bump stop spacer.
- This kit was not intended to use air bumps.

4RUNNER ACCESSORIES FOR 3.5" KITS

ACCESSORIES SPECIFIC TO PART# 96000BK-4 & 96000BK-4H

FRONT



KING LONG TRAVEL COILOVERS



- Long travel specific shocks add 3-4" of lift when paired with a TC long travel kit.
- 2.5" diameter shocks with remote reservoirs for optimum cooling.
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Part # KNG-TC5151-03



KING LONG TRAVEL SECONDARY SHOCKS



- Serious levels of performance are achieved when a secondary shock is used with a TC long travel kit.
- Externally adjustable for both compression and rebound.
- Designed for use with TC secondary shock hoops (PN: 99601).

Part # KNG-TC1151-34



WELD - ON SPINDLE GUSSETS



- Must have reinforcement for anyone who wants to run hard in the dirt!
- Strengthens spindle uprights and prevents the knuckle from damage during hard impacts under braking.
- 1/8" prebent laser cut mild steel brackets.
- Eliminates the factory sway bar.
- Welding and grinding are required to install.

Part # 59697



LONG TRAVEL HEIM JOINT STEERING UPGRADE



- Maximize wheel travel and component strength while eliminating sloppy steering.
- 4130 zinc plated extended chromoly tie-rods.
- 7/8" 4130 chromoly heim joints replace factory outer tie rod ends.
- Laser cut weld-on double shear steering arm gussets are included.
- Grade 8 hardware and tapered steering arm adapters are supplied.
- Designed to fit TC long travel systems ONLY.

Part # 96098



WELD - ON UPPER COIL BUCKET TOWER GUSSETS



- Reduces upper coil bucket flex and double shears factory upper control arm bolt.
- Compatible only with TC UCA's or L/T kits, not intended for use with factory control arms.
- Welding and grinding are required to install.

Part # 59650



LOWER CONTROL ARM CAM TAB GUSSETS



- Reinforces weak factory cam alignment tab plates that bend during bottom outs or hard front impacts.
- CNC laser cut 1/8" 4130 chromoly replacement cam plates weld-to the frame.
- 1/4" thick lower cam alignment tabs will not bend like factory tabs.
- Welding and grinding are required for installation.

Part # 59960

4RUNNER ACCESSORIES FOR 3.5" KITS

ACCESSORIES SPECIFIC TO PART# 96000BK-4 & 96000BK-4H

FRONT



URETHANE STEERING RACK BUSHING KIT



- Eliminates sloppy steering and unwanted rack movement caused by worn out rubber bushings.
- 100% bolt on.
- Replaces all 3 factory rubber bushings.

Part # 96701



DUAL SHOCK HOOPS - LONG TRAVEL ARMS



- Maximize vehicle dampening control when you install a dual 2.5" shock mount system.
- 4130 prebent chromoly shock hoops are designed to install secondary 2.5" smooth body or bypass shocks for maximum IFS dampening control.
- Reinforces the factory coil bucket and helps reduce flex.
- Upper shock tabs are tacked in place to aid in secondary shock location set up.
- Includes grade 8 hardware.
- Welding and grinding are required to install.

Part # 96601



15" Brake Lines



- Replacement front brake lines for use with 3.5" long travel kit only.
- Braided stainless steel construction.
- Kit includes mounting clips and copper washers.
- Sold as a pair.

Part # 97330



4WD



LT 4WD MODIFIED AXLES +3.5" EXTENDED



- Designed for use with TC +3.5" long travel systems.
- Includes remanufactured Tundra axles and CV joints that are custom modified by TC.
- High angle inner CV boots and clamps are installed.
- Fits auto hub trucks only.

Part # 96300



1" DIFF. DROP SPACER KIT



- Tired of tearing inner CV boots when aftermarket lift kits have been installed?
- Reduces inner CV angle by 2-3 degrees.
- Reduces friction wear and tear on stock length axle inner CV boots with auto locking hubs.

Part # 96200

4RUNNER ACCESSORIES FOR 3.5" KITS

ACCESSORIES SPECIFIC TO PART# 96000BK-4 & 96000BK-4H

REAR



KING 2.5" REAR SHOCKS W/ COMPRESSION KNOBS



- Compression adjuster knobs allow user to fine tune ride for optimum performance.
- 2.5" diameter shock bodies with remote reservoirs for optimum cooling.
- Application-specific valving for improved ride quality.

Part # KNG-25001-334A



CHROMOLY ADJUSTABLE REAR LINKS

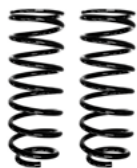


Part # 96450

- Offers 1.5" more droop travel over stock when longer shocks are installed.
- Upper, lower and pan hard bars are designed to incorporate a heim joint making the entire rear link system length adjustable.
- 100% bolt on.
- Constructed from 1 1/4" .375 wall 4130 chromoly tubing for maximum strength.
- Includes urethane pivot bushings.
- Hi-misalignment spacers are included.



TOYTEC SUPERFLEX REAR COILS



- 2" rear lift "Superflex" coil springs offer 10% increase in load capacity/spring rate.
- Superflex coils will flex better than any other coil on the market while adding 2" additional flex per side when used with extended shocks.
- Coils ride similar to stock with improved off road performance.

Part # TYC-024RCB

PREP



1" STAINLESS STEEL UNIBALL REPLACEMENT KIT

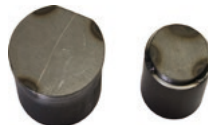


- 1" I.D. uniballs feature a heat treated stainless steel ball & heat treated stainless steel race for maximum corrosion resistance and component longevity. These uniball's also features a military grade PTFE woven fabric liner that helps prevent noise.
- Snap rings included.

Part # FK-REP KIT



UNIBALL REMOVAL & RE-INSTALLATION TOOL



Part # 96006

- Aids in the removal and reinstallation of a 1" uniball from any uniball cup during vehicle prep.
- Designed to be used with any hydraulic press, shop press or a hammer.
- Prevents damage to new uniball during reassembly.

4RUNNER ACCESSORIES FOR 3.5" KITS

ACCESSORIES SPECIFIC TO PART# 96000BK-4 & 96000BK-4H

PREP



LONG TRAVEL URETHANE BUSHING KIT



- Complete TC long travel suspension system replacement urethane bushing kit.
- Performance parts will require periodic maintenance based on your driving habits & local conditions.
- Inspect bushings and other equipment regularly.

Part # 69600



BALL JOINT REMOVAL- SLUG ADAPTER INSTALL TOOLS



- Aids in the removal of the factory ball joint from the spindle.
- Also designed to assist in the TC slug adapter installation.
- Requires a large C clamp tool or press tool.

Part # 96005



LONG TRAVEL URETHANE BUSHING KIT W/ HEIM UCAs



- Replacement bushings for TC long travel kits that have heim upper control arms.
- Performance parts will require periodic maintenance based on your driving habits & local conditions.
- Inspect bushings and other equipment regularly.

Part # 69650



ADDITIONAL REPLACEMENT PARTS

- TC stocks all replacement parts necessary to maintain your performance equipment.
- Tie-Rod Extensions
- Plated A-Arm End Washers
- D.O.T. Braided Brake Lines
- Limit Straps w/ Adjusters & Mounts
- Grade 8 Hardware
- Hi-Misalignment Spacers
- **Please have your customers contact TC directly for any individual replacement parts.**

