



2007+ TOYOTA TUNDRA

PART # 87000 SHOWN

BUILT FOR TRAVEL

UCA & LONG TRAVEL SUSPENSION
SALES GUIDE

STOCK LENGTH UPPER CONTROL ARMS

2007+ TUNDRA



PART # 87500



Kit Includes

UPPER A-ARMS W/ BUSHINGS

PLATED END WASHERS

1" UNIBALLS W/ RETAINING CLIPS

GRADE 8 HARDWARE

GREASE FITTINGS

TAPERED SPINDLE ADAPTERS

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 coilover shocks will allow for up to 1" of additional wheel travel.
- Urethane bushings reduce bushing deflection compared to stock rubber bushings.
- 4130 chromoly tubular upper control arms are 100% bolt on and hand crafted in the U.S.A.
- CNC machined tapered spindle adapters 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 uniballs also feature 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.
- 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.

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



INSTALLATION INSTRUCTIONS



ADDITIONAL PRODUCT INFO & IMAGES

Bolt On

Optional Heim Pivot Upgrade

- Designed for use on 6" or higher drop bracket lift kits.
- 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.

Recommended Tire & Wheel Combination

Tire	Wheel	Backspace
285/75/R18	18 x 9	5.75"

Recommended Primary Shock Setup

2.5" Diameter Extended Travel Coilover Shocks

Shock Manufacturer	Part #
Fox Shocks	880-06-947
King Shocks	25001-143A-EXT

Recommended Accessories

Accessories	Part #
Spindle Gussets	59699
Cam Tab Gussets	59870

NOTE: See accessories on page 5

SUPPORT - (951) 737 9682

100% MADE IN THE USA



TOYOTA TUNDRA STOCK LENGTH ACCESSORIES

ACCESSORIES SPECIFIC TO PART #87500

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 87500 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 # KING-25001-143A-EXT



STOCK LENGTH RACE SERIES BOXED LOWER



- Bolt-on 4130 boxed and internally gusseted lower control arms feature an integrated CNC billet uniball cup.
- Dual shock tabs give the ability to run an optional secondary shock.
- 1" 100% stainless steel uniballs replace factory lower ball joints.
- Built in steering stops do not require any ball joint cradle modification.
- Heim sway bar link upgrades replaces the stock rubber sway bar link for ease of installation and eliminates binding during articulation.
- Stock length replacement lower control arm.
- Urethane bushings reduce bushing deflection compared to stock rubber bushings.
- A 1.25" wheel spacer is required if dual shocks are installed.

Part # 87555-R



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.
- Welding and grinding are required to install.

Part # 59699



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 # 59870



SECONDARY SHOCK HOOP KIT - STOCK WIDTH



- 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 pre welded in place to aid in secondary shock set up and installation.
- Includes grade 8 hardware.
- Welding and grinding are required to install.

Part # 87702

TOYOTA TUNDRA STOCK LENGTH ACCESSORIES

ACCESSORIES SPECIFIC TO PART #87500

FRONT



KING 2.5" EXTERNAL BYPASS SECONDARY SHOCKS



- Designed for use with TC secondary shock hoops (PN: 87702 listed above).
- Requires a lower control arm with dual shock capability.
- Externally adjustable compression and rebound tubes.
- 2.5" diameter with remote reservoirs.

Part # KNG-TC1143-35



1" DIFF DROP SPACER



- Reduces inner CV angle by 3 degrees.
- Reduces friction wear and tear on stock length axle inner CV boots with auto locking hubs.
- 1" thick zinc plated steel spacers and Grade 8 hardware are included.
- Some vehicles may require additional washers to reinstall the factory skid plate.

Part # 87200

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-25001-144A



3/4" LIFT SHACKLES



- Shackles allow for use of longer aftermarket leaf packs providing further lift.
- Laser cut 3/8" steel shackles lift the rear of the Tundra 3/4" over stock.
- 100% bolt on - all hardware included.

Part # 49704



TUNDRA REAR CHANNEL BED STIFFENERS



- Reinforces factory rear bed channels at the tail gate that are known to tear with added camper shell weight, bed racks and off road use.
- Ideal for any Tundra that wants to reduce bed flex.
- Six eyelet tabs are designed to offer additional cargo strapping points to secure your gear during transit along with a flat tab on both sides for CB antenna, buggy whip, cargo light etc.
- No load ratings are implied.
- U.S. Patent #D820,180 S.
- 3/16" mild steel laser cut brackets use existing factory holes, however some drilling is required for installation.
- Includes all Grade 8 mounting hardware and install instructions.

Part # 48677





TOYOTA TUNDRA STOCK LENGTH ACCESSORIES

ACCESSORIES SPECIFIC TO PART #87500

REAR



REAR BUMP STOP KIT



Part # 48723K

- Designed to work with a KING 2.0" stubby adjustable bump stops.
- Eliminates the factory rubber bump stops that are harsh on bottom outs.
- Allows for adjustable nitrogen pressures to tune for your specific use and application.
- Offers adjustability in set up height to work with various thickness rear spring packs.
- Compact design fits under the bed. No drilling holes in the bed are required.
- Bolts to factory frame holes. Drilling and grinding are required to remove the rivets.
- Requires King 2.0" compact threaded bump stops (not included).



KING BUMP STOP 2.0" x 2.0" TRAVEL (REQUIRES PN: 48723K)



Part # KNG-BS2120

- Aluminum components are machined from aircraft quality billet.
- Large diameter shafts have a minimum tensile strength of 75,000 PSI.
- Long wearing nylon contact pad ensures quiet operation and mounts with a simple yet effective single bolt design.
- Sold individually.

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. These uniballs also feature a military grade PTFE woven fabric liner that helps prevent noise.
- Performance parts will require periodic maintenance based on your driving habits & local conditions.
- 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.



URETHANE BUSHING KIT: LOWER CONTROL ARMS



Part # 69750

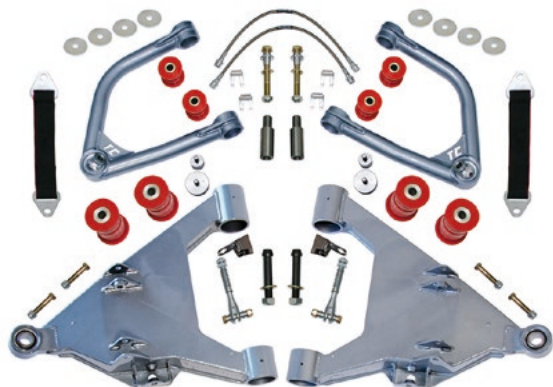
- Complete TC lower control arm replacement urethane bushing kit.
- Performance parts will require periodic maintenance based on your driving habits & local conditions.
- Inspect bushings and other equipment regularly.
- Contact our facility direct to order these items.

TUNDRA 2.5" LONG TRAVEL SYSTEM - BOXED LOWERS

2007+ TUNDRA



PART # 87000-B [FOX/KING/RADFLO]



Travel	Lift	Track Increase
16"	3-4"	5"



INSTALLATION INSTRUCTIONS



ADDITIONAL PRODUCT INFO & IMAGES

Bolt On

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
 LIMIT STRAPS W/ ADJUSTERS & MOUNTS
 GRADE 8 HARDWARE
 HI-MISALIGNMENT SPACERS

Features and Benefits

- 2.5" extended upper and lower control arms bolt to factory mounting locations. Fiberglass fenders are required. 16" Travel.
- TC boxed lower arms feature sway bar mounting tabs to retain the factory sway bar for better cornering. TC sway bar link #87250 is required to retain the sway bar.
- Boxed and plated lower control arms are designed for dual 2.5" shock capability.
- Upper and lower ball joints are upgraded to 1" stainless steel uniballs for max travel and component strength. These uniballs

also features a military grade PTFE woven fabric liner that helps prevent noise.

- Primary coil over shocks bolt into the factory coil bucket location.
- Several spring rate options allow the ability to customize your ride for your specific application.
- TC custom extended 4340 axles insert into the factory inner and outer CV's to retain 4wd.

Recommended Tire & Wheel Combination

Tire	Wheel	Backspace
35"/12.5/R17	17x8.5	4.75"
37"/12.5/R17	17x8.5	4.75"

Recommended Primary Shock Setup

2.5" Diameter Extended Travel Coilover Shocks

Shock Manufacturer	Part #
Fox Shocks	880-06-949
King Shocks	KNG-TC 5143-03-A-700

Recommended Secondary Shock Setup

2.5" External Bypass Shocks

Shock Manufacturer	Part #
Fox Shocks	982-02-950
King Shocks	KNG-TC 1143-34

Note: TC Hoop Part # 87600 is required

Required Additional Parts for Installation

Part	Part #
Coilover Shocks	See chart above
TC Extended Axles (4WD MODELS)	87300

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 are required to run this kit.

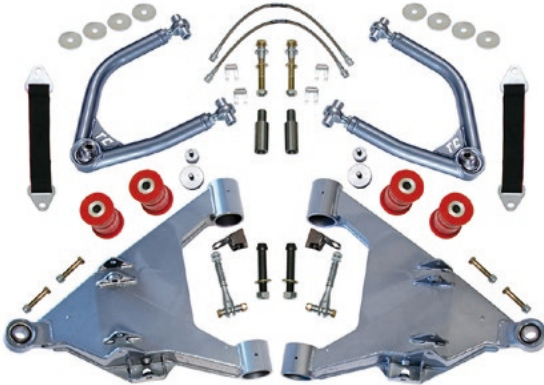


TUNDRA 2.5" LONG TRAVEL SYSTEM W/ HEIMS

2007+ TUNDRA



PART # 87000-B-H [FOX/KING/RADFLO]



Travel	Lift	Track Increase
16"	3-4"	5"



INSTALLATION INSTRUCTIONS



ADDITIONAL PRODUCT INFO & IMAGES

Bolt On

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
LIMIT STRAPS W/ ADJUSTERS & MOUNTS
GRADE 8 HARDWARE
HI-MISALIGNMENT SPACERS

Features and Benefits

- 2.5" extended upper and lower control arms bolt to factory mounting locations. Fiberglass fenders are required. 16" Travel.
- TC boxed lower arms feature sway bar mounting tabs to retain the factory sway bar for better cornering. TC sway bar link #87250 is required to retain the sway bar.
- Boxed and plated lower control arms are designed for dual 2.5" shock capability.
- Upper and lower ball joints are upgraded to 1" stainless steel uniballs for max travel and component strength. These uniballs

also features a military grade PTFE woven fabric liner that helps prevent noise.

- 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.
- TC custom extended 4340 axles insert into the factory inner and outer CV's to retain 4wd.

Recommended Tire & Wheel Combination

Tire	Wheel	Backspace
35"/12.5/R17	17x8.5	4.75"
37"/12.5/R17	17x8.5	4.75"

Recommended Primary Shock Setup 2.5" Diameter Extended Travel Coilover Shocks

Shock Manufacturer	Part #
Fox Shocks	880-06-949
King Shocks	KNG-TC 5143-03-A-700

Recommended Secondary Shock Setup 2.5" External Bypass Shocks

Shock Manufacturer	Part #
Fox Shocks	982-02-950
King Shocks	KNG-TC 1143-34

Note: TC Hoop Part # 87600 is required

Required Additional Parts For Installation

Part	Part #
Coilover Shocks	
TC Extended Axles (4WD MODELS)	87300

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 are required to run this kit.

TUNDRA ACCESSORIES FOR 2.5" KIT

ACCESSORIES SPECIFIC TO PART# 87000-B & 87000-B-H

FRONT



KING LONG TRAVEL COILOVERS W/ ADJUSTERS



- 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.
- Compression adjuster knobs allow user to fine tune ride for optimum performance.

Part # KNG-TC 5143-03A



KING 2.5 EXTERNAL BYPASS 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.
- 2.5" diameter shock body
- Designed for use with TC secondary shock hoops (PN: 87600).

Part # KNG-TC1143-34



KING 3.0 EXTERNAL BYPASS 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.
- 3.0" diameter shock body
- Designed for use with TC secondary shock hoops (PN: 87600).

Part # KNG-TC131-01



DUAL SHOCK HOOPS - LONG TRAVEL ARMS



- Maximize vehicle dampening control when you install a dual 2.5" or 3.0" secondary shock system.
- 4130 prebent chromoly shock hoops are designed to install secondary 2.5" or 3.0" smooth body or bypass shocks for maximum IFS dampening control.
- Reinforces the factory coil bucket and helps reduce flex.
- Upper shock tabs are pre welded in place to aid in secondary shock set up and installation.
- Includes grade 8 hardware.
- Welding and grinding are required to install.

Part # 87600



WELD - ON SPINDLE GUSSETS

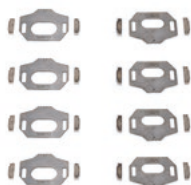


- Must have reinforcement for anyone who wants to run hard in the dirt!
- Strengthens spindle uprights and prevents the knuckle from damage during hard impacts under braking.
- 1/8" prebent laser cut mild steel brackets.
- Factory spindles are forged, not cast and gussets can be MIG or TIG welded directly to them.
- Welding and grinding are required to install.

Part # 59699



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 welded to the frame.
- 1/4" thick lower cam alignment tabs will not bend like factory tabs.
- Welding and grinding are required for installation.

Part # 59870



LONG TRAVEL HEIM SWAY BAR MOUNTING KIT



- Retain the factory sway bar system for a more stable ride.
- Increases cornering stability.
- Heim joints eliminate binding of the factory rubber sway bar link system.
- Includes preset 14mm heim links left & right side with grade 8 hardware.
- No drilling or welding required.
- Fits boxed lowers ONLY.

Part # 87250



TUNDRA ACCESSORIES FOR 2.5" KIT

ACCESSORIES SPECIFIC TO PART# 87000-B & 87000-B-H

4WD



LT 4WD 4340 AXLES +2.5" EXTENDED



- Designed for use with TC +2.5" long travel systems.
- 4340 heat treated 2.5" extended axle shafts and clamps are included.
- Re-uses factory Toyota inner and outer CV joints and boots.

Part # 87300



1" DIFF. DROP SPACER KIT



- Reduces inner CV angle by 3 degrees.
- Reduces friction wear and tear on stock length axle inner CV boots with auto locking hubs.
- 1" thick zinc plated steel spacers and grade 8 hardware are included.
- Some vehicles may require additional washers to reinstall the factory skid plate.

Part # 87200

REAR



KING REAR BYPASS SHOCKS



- 2.5" shock bodies with piggyback reservoir
- 10" shock stroke.
- Compression and dampening adjustable for maximum performance.
- Requires rear shock hoop (PN: 86460) for install.

Part # KNG-PR2512-BP3P



3/4" LIFT SHACKLES



- 100% bolt on.
- Laser cut 3/8" steel shackles lift the rear of the Tundra 3/4" over stock.
- Hardware included.
- Compatible with factory or aftermarket Deaver leaf springs.

Part # 49704



TUNDRA REAR CHANNEL BED STIFFENERS



Part # 48677

- 3/16 mild steel laser cut brackets use existing factory holes. Drilling is required for installation.
- Rear sheet metal channels crack over time. Reinforce factory rear bed channels at the tail gate that are known to tear with added camper shell weight, bed racks and off road use.
- Ideal for any Tundra that wants to prevent bed flex.
- Includes all grade 8 mounting hardware and install instructions and powder coated brackets.
- 6 eyelet tabs are designed to offer additional cargo strapping points to secure your gear during transit. An additional flat tab is also supplied to both sides to install a Buggy Whip / CB Antenna / Collision or Cargo Light.
- No load ratings are implied. US Patent #D820,180 S

TUNDRA ACCESSORIES FOR 2.5" KIT

ACCESSORIES SPECIFIC TO PART# 87000-B & 87000-B-H

REAR



REAR BUMP STOP KIT



Part # 48723K

- Designed to work with a KING 2.0" stubby adjustable bump stops.
- Eliminates the factory rubber bump stops that are harsh on bottom outs.
- Allows for adjustable nitrogen pressures to tune for your specific use and application.
- Offers adjustability in set up height to work with various thickness rear spring packs.
- Compact design fits under the bed. No drilling holes in the bed are required.
- Bolts to factory frame holes. Drilling and grinding are required to remove the rivets.
- Requires King 2.0" compact threaded bump stops (not included).



KING BUMP STOP 2.0" x 2.0" TRAVEL (REQUIRES PN: 48723K)



Part # KNG-BS2120

- Aluminum components are machined from aircraft quality billet.
- Large diameter shafts have a minimum tensile strength of 75,000 PSI.
- Long wearing nylon contact pad ensures quiet operation and mounts with a simple yet effective single bolt design.
- Sold individually.

PREP



1" STAINLESS STEEL UNIBALL 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. These uniball's also features a military grade PTFE woven fabric liner that helps prevent noise.
- Performance parts will require periodic maintenance based on your driving habits & local conditions.
- Snap rings included.
- Sold as a pair.



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.



LONG TRAVEL URETHANE BUSHING KIT



Part # 69701

- 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.



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.**