



2016+ TOYOTA HILUX REVO

PART # 86002V-R-16 SHOWN

BUILT FOR TRAVEL

UCA & LONG TRAVEL SUSPENSION
SALES GUIDE

STOCK LENGTH UPPER CONTROL ARMS

2005 - 2015 TOYOTA HILUX VIGO



PART # 96504



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.

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 coil over 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.

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	883-06-092
King Shocks	KING-25001-349A-EXT



TOYOTA HILUX VIGO STOCK LENGTH ACCESSORIES

ACCESSORIES SPECIFIC TO PART #96504

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 96504 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-25001-349A-EXT



SPINDLE GUSSET W/ SWAYBAR MOUNTS



- 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.
- Retains the factory sway bar and includes an additional steering arm gusset.
- 1/8" prebent laser cut mild steel brackets.
- Trucks running factory back spacing wheels must run wheel spacers.
- Welding and grinding are required to install.

Part # 59698-V



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 # 59654



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-25001-350A



TOYOTA HILUX VIGO STOCK LENGTH ACCESSORIES

ACCESSORIES SPECIFIC TO PART #96504

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.



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.**



2" RACE SERIES LONG TRAVEL SYSTEM 2016+ TOYOTA HILUX REVO



PART # 86002V-R-16HLX



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" extended upper and lower control arms bolt to factory mounting locations. Fiberglass fenders are required. 11.5" of travel.
- Two-bolt adapters convert lower ball joint to a 1" uniball.
- Upper and lower ball joints are upgraded to 1" stainless steel uniballs for max travel and component strength.
- Urethane bushings reduce bushing deflection compared to stock rubber bushings.
- Heim pivot upper control arms can be custom ordered for this kit (see page 7).
- Boxed lower control arms include dual 2.5" shock tabs. Primary coilover shocks bolt into the factory coil bucket location.
- Several spring rate options allow the ability to customize your ride for your specific application.
- Maximize tunability, overall articulation & performance.
- TC custom extended 4340 axles insert into the factory inner and outer CV's to retain 4wd (not included).

Travel	Lift	Track Increase
11.5"	3-4"	4"



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	880-02-789
King Shocks	KNG-TC001-01-A

Recommended Secondary Shock Setup 2.5" External Bypass Shocks

Shock Manufacturer	Part #
Fox Shocks	982-02-954
King Shocks	TC1119-34

Note: TC Hoop Part # 86610 is required

Required Additional Parts For Installation

Part	Part #
Coilover Shocks	See chart above
TC Extended Axles (4WD MODELS)	86305-16HLX

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.

100% MADE IN THE USA

TOYOTA HILUX ACCESSORIES FOR 2" RACE KIT

ACCESSORIES SPECIFIC TO PART #86002V-R-16HLX

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-TC001-01-A



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: 88610).

Part # KNG-TC1119-34



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 # 59698-V



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 # 86610

4WD



LT 4WD 4340 AXLES +2" EXTENDED



- Designed for use with TC +2" long travel systems.
- 4340 heat treated 2" extended axle shafts and clamps are included.
- Re-uses factory Toyota inner and outer CV joints and boots.

Part # 86305-16HLX



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 # 59654

TOYOTA HILUX ACCESSORIES FOR 2" RACE KIT

ACCESSORIES SPECIFIC TO PART #86002V-R-16HLX

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



LONG TRAVEL URETHANE BUSHING KIT

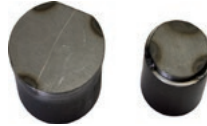


- Complete TC long travel suspension system replacement urethane bushing kit.
- Performance parts will require periodic maintenance based on your driving habits & local conditions.
- Inspect bushings and other equipment regularly.

Part # 69700-R



UNIBALL REMOVAL & RE-INSTALLATION TOOL



- 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.

Part # 96006



ADDITIONAL REPLACEMENT PARTS

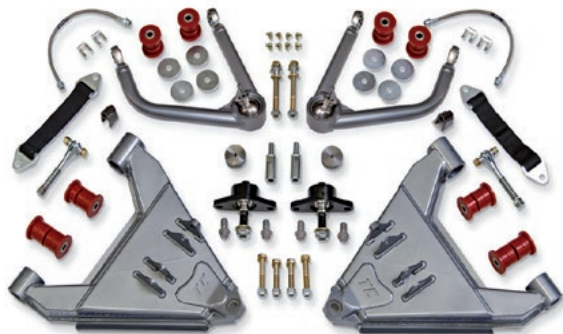
- TC stocks all replacement parts necessary to maintain your performance equipment.
- Tie-Rod Extensions
- Plated A-Arm End Washers
- D.O.T. Braided Brake Lines
- Limit Straps w/ Adjusters & Mounts
- Grade 8 Hardware
- Hi-Misalignment Spacers
- **Please have your customers contact TC directly for any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



2" RACE SERIES LONG TRAVEL SYSTEM W/ HEIMS

2016+ TOYOTA HILUX REVO

PART # 86002V-R-16HLX



Kit Includes

- UPPER A-ARMS W/ HEIMS
- LOWER A-ARMS W/ BUSHINGS
- TIE-ROD EXTENSIONS
- 1" UNIBALLS W/ RETAINING CLIPS
- LIMIT STRAPS W/ ADJUSTERS & MOUNTS
- GRADE 8 HARDWARE
- HI-MISALIGNMENT SPACERS

Features and Benefits

- 2" extended upper and lower control arms bolt to factory mounting locations. Fiberglass fenders are required. 11.5" Travel.
 - Upper and lower 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.
 - 100% chromoly boxed lower control arms include dual 2.5" shock tabs.
- 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 includes 3/4" chromoly lined heim joints for the pivots.
 - TC custom extended 4340 axles insert into the factory inner and outer CV's to retain 4wd.
 - Race proven IFS equipment in China, Baja and South America!

Travel	Lift	Track Increase
11.5"	3-4"	4"



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	880-02-789
King Shocks	KNG-TC001-01-A

Recommended Secondary Shock Setup

2.5" External Bypass Shocks

Shock Manufacturer	Part #
Fox Shocks	982-02-954
King Shocks	TC1119-34

Note: TC Hoop Part # 86610 is required

Required Additional Parts For Installation

Part	Part #
Coilover Shocks	See chart above
TC Extended Axles (4WD MODELS)	86305-16HLX

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.

TOYOTA HILUX ACCESSORIES FOR 2" RACE KIT ACCESSORIES SPECIFIC TO PART #86002V-R-H-16HLX

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-TC001-01-A



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: 88610).

Part # KNG-TC1119-34



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 # 59698-V



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 # 86610

4WD



LT 4WD 4340 AXLES +2" EXTENDED



- Designed for use with TC +2" long travel systems.
- 4340 heat treated 2" extended axle shafts and clamps are included.
- Re-uses factory Toyota inner and outer CV joints and boots.

Part # 86305-16HLX



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 # 59654

TOYOTA HILUX ACCESSORIES FOR 2" RACE KIT

ACCESSORIES SPECIFIC TO PART #86002V-R-H-16HLX

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



LONG TRAVEL URETHANE BUSHING KIT



- Complete TC lower 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.

Part # 69770-R



UNIBALL REMOVAL & RE-INSTALLATION TOOL



- 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.

Part # 96006



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.**

