



2005-2015 TOYOTA HILUX

PART # 86002V-R 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	KNG-25001-263A EXT / KNG-25001-321A-EXT



TOYOTA HILUX VIGO STOCK LENGTH ACCESSORIES

ACCESSORIES SPECIFIC TO PART #96504

FRONT



KING 2.5" EXTENDED TRAVEL COILOVERS W/ COMPRESSION KNOBS



- FITS 2005-2010 MODEL YEAR HILUX
- 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-25001-263A-EXT



KING 2.5" EXTENDED TRAVEL COILOVERS W/ COMPRESSION KNOBS



- FITS 2011-2015 MODEL YEAR HILUX
- 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-25001-321A-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



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 platers 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 # 59860-HLX



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



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 VIGO STOCK LENGTH ACCESSORIES

ACCESSORIES SPECIFIC TO PART #96504

REAR



REAR BOLT-ON BUMP STOP MOUNTING KIT - KING 2.0"



- Improves handling and performance on and off road when weight has been added to the bed of the truck.
- 100% bolt on bump stop bracket mount to the factory bolt holes and replaces the factory bump stop.
- Utilizes 2" travel KING 2.0" diameter bump stops.
- Cushions harsh bottom outs.
- Includes lower strike pads that bolt to the factory u-bolt location.
- Grade 8 hardware included.
- Sold as a pair (bump stops NOT included).

Part # 49623K



REAR BOLT-ON BUMP STOP MOUNTING KIT - FOX 2.0"



- Improves handling and performance on and off road when weight has been added to the bed of the truck.
- 100% bolt on bump stop bracket mount to the factory bolt holes and replaces the factory bump stop.
- Utilizes 2.5" travel FOX 2.0" diameter bump stops.
- Cushions harsh bottom outs.
- Includes lower strike pad that bolts to the factory u-bolt location.
- Grade 8 hardware included.
- Sold as a pair (bump stops NOT included).

Part # 49623F



KING 2.5" REAR SHOCKS W/ COMPRESSION KNOBS



- FITS 2005-2010 MODEL YEAR HILUX
- 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-25001-260A



KING 2.5" REAR SHOCKS W/ COMPRESSION KNOBS



- FITS 2011-2015 MODEL YEAR HILUX
- 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-25001-322A

PREP



1" STAINLESS STEEL FK UNIBALL AND SNAP RING 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.
- 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.

Part # FK-REP KIT



1" UNIBALL REMOVAL / INSTALL 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 hammer.
- Prevents damage to new uniball during reassembly.

Part # 96006



URETHANE BUSHING KIT: UPPER CONTROL ARMS



- 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.

Part # 69000



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 LONG TRAVEL SYSTEM 2005 - 2015 TOYOTA HILUX VIGO



PART # 86002V-R [KING/FOX/RADFLO]



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 8).
- 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-V

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" KIT

ACCESSORIES SPECIFIC TO PART #86002V-R

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



- Flush mount top plate allows hoop to be used with shocks that use bolts or studs on upper mount and eliminates the need to trim the inner fender well for rear bolt installation.
- 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" 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-V



LOWER CONTROL ARM 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 # 59860-HLX

SUPPORT - (951) 737 9682

100% MADE IN THE USA

TOYOTA HILUX ACCESSORIES FOR 2" KIT ACCESSORIES SPECIFIC TO PART #86002V-R

PREP



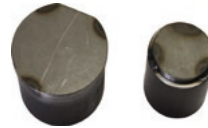
1" STAINLESS STEEL UNIBALL REPLACEMENT KIT



- 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.



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



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.



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.**

Part # 69700



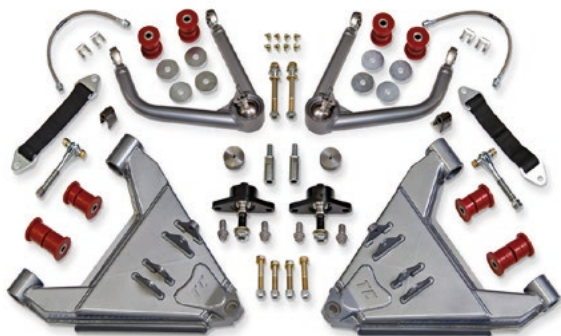
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2" RACE LONG TRAVEL SYSTEM W/ HEIMS

2005 - 2015 TOYOTA HILUX VIGO



PART # 86002V-R-H



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-V

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" KIT ACCESSORIES SPECIFIC TO PART #86002V-R-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-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



- Flush mount top plate allows hoop to be used with shocks that use bolts or studs on upper mount and eliminates the need to trim the inner fender well for rear bolt installation.
- 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" 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-V



LOWER CONTROL ARM 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 # 59860-HLX

TOYOTA TACOMA ACCESSORIES FOR 2" KIT

ACCESSORIES SPECIFIC TO PART #86002V-R-H

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



- 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



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



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.**

