

DRIVE INNOVATION.

DESIGNED, ENGINEERED, AND HAND BUILT BY

TERAFLEX



FALCON SHOCKS HISTORY

Over the years TeraFlex has developed innovative products that exceed expectations and deliver performance results. Correctly paired shocks are critical to a properly functioning suspension system. The relationship between spring and shock is inseparable. Engineering done correctly will address every aspect of vehicle dynamics—suspension geometry, spring rate, tuning, compression and rebound valving—to ensure a predictably responsive Jeep.

We want to offer this solution to each and every customer. Ultimately, the only way to definitively provide the market with the best product true to that methodology was to develop our own shock line.

Falcon Shocks, designed and manufactured by TeraFlex, are specifically designed to accompany TeraFlex coil springs, but will add significant performance to any suspension system. By design, Falcon Shocks provide an extremely predictable response by improving both compression and rebound. In-house engineering experts have invested hundreds of hours in shock tuning to deliver optimal results that are literally felt by a 'seat-of-the-pants' experience. Falcon Shocks are built with state-of-the-art methods including CAD design, finite element analysis, in-house lab simulation and rigorous real world testing.





All Falcon Shocks are hand assembled in TeraFlex's state-of-the-art in-house shock facility. This allows for precise quality control and consistent results found only through close management of the full assembly process.

DRIVE FALCON.



Assembly fixtures, designed and built to tighten and refine the assembly process, are application specific and manufactured in-house due to our unique specification and tight tolerance parameters. Repetitive assembly actions and installation of sensitive seals and seal surfaces are fixture safe guarded, resulting in a quality, trouble free finished product.



State-of-the-art computerized machining enables efficient and precise production. Our Falcon Shocks dedicated facility is designed and staffed with up-to-date precision equipment and machinists. This demonstrates our commitment and dedication to a long awaited design change in the Jeep Wrangler shock. Jeep owners will experience the benefits as they become acquainted with the expertise of TeraFlex quality vehicle dynamics as it extends into the new Falcon Shock line.



Hard chrome, induction hardened 3/4" shafts, hard anodized pistons and 6061 2.25" shock bodies are just a few of the enhancements that can be found in every Falcon Shock—the only shock with function and dependability worthy of the Falcon Shock brand.





FALCON SERIES 3.3

FAST ADJUST PIGGYBACK SHOCK

The Falcon Series 3.3 piggyback shock is designed and engineered to deliver race inspired performance and handling while exclusively built to the specific requirements of the Jeep Wrangler. Vehicle stability is the paramount goal with all Falcon Shocks.

For years shocks have been simply 'adapted' with minimal tuning and not specifically designed for an application. Falcon Shocks change that mentality. The Falcon Series 3 piggyback shocks are corner specific, built from the ground up, and deliver the best damping characteristics possible with fitment and function outlining the highest priorities. A lengthy and painstaking development process has finally delivered these new advancements to a waiting Jeep market.

Series 3.3 shocks feature a three position fast adjust knob, with the middle setting incorporating an 8 position micro adjust dial. The fast adjust knob will provide damping settings for everything from soft to very firm.

The front shock features a unique piggyback design with the reservoir positioned horizontally to increase clearance with large tires during articulation and turning. An offset upper stud positions the shock body away from the frame for maximum clearance.

The rear shock positions the body and reservoir at the bottom to eliminate shaft damage from rocks kicked up by the tires. The outboard mounting increases clearance for lifted vehicles with raised track bar brackets.

Falcon Shocks feature Red Line full synthetic shock oil with a high viscosity index of 519 for consistent performance across all temperatures and reduce shock fade. The proprietary synthetic formula also contains special anti-wear and lubricity agents that produce excellent thermal stability.

FEATURES & BENEFITS

- JK specific shock
- Increased vehicle stability
- Improved dynamic roll control & low speed damping
- Optimized fitment for clearance during full suspension travel
- Front offset stud design creates additional frame clearance during articulation
- 2.25" shock body provides optimal performance
- 6061 hard anodized aluminum shock body resists wear
- Smooth honed internal shock body surface for long term performance
- 3/4" shaft to prevent shaft buckling
- Maximum shaft diameter for optimal adjustable range
- Hard chrome, induction hardened shaft resists rock damage & corrosion
- OGS the oil/gas separator prevents cavitation
- Digressive linear piston & base valve technology
- One-piece Teflon bronze piston wear band with O-ring
- Fast Adjust knob with 3 compression settings for large damping adjustments
- Micro position dial with 8 compression settings for finer damping adjustments
- Piggyback design increases fluid flow by 6x over restricting reservoir hose designs
- Piggyback fluid passage eliminates common leakage issues found in banjo & swivel fittings
- Hard anodized billet piston
- Aluminum construction for superior heat dissipation
- Red Line full synthetic shock oil
- 1,000 hour salt spray corrosion resistance test on all hardware
- Serviceable & rebuildable (factory serviced)
- Built in-house at the TeraFlex Falcon Shock Division
- 3 year warranty
- Patent pending design

FAST ADJUST KNOB



OFFSET STUD DESIGN



PIGGYBACK RESERVOIR



HIGH FLOW OIL CHANNEL





2 DOOR

3.3

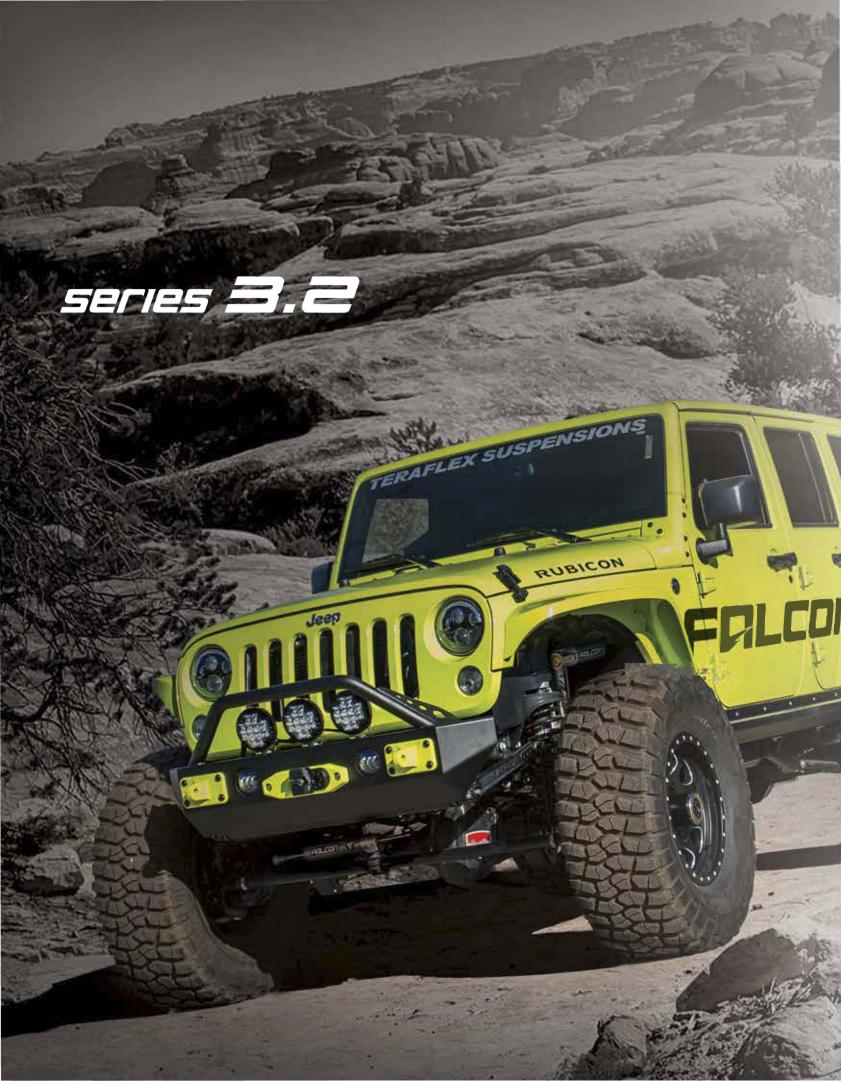
0"-2" Lift (all 4) 02-01-33-400-002 2.5"-3.5" Lift (all 4) 02-01-33-400-253 4"-6" Lift (all 4) 02-01-33-400-406

4 DOOR

3.3

0"-2" Lift (all 4) 03-01-33-400-002 2.5"-3.5" Lift (all 4) 03-01-33-400-253 4"-6" Lift (all 4) 03-01-33-400-406

Install Time: 1.5 hours





FALCON <u>series</u> **3.2**

ADJUSTABLE PIGGYBACK SHOCK

The Falcon Series 3.2 piggyback shock is designed and engineered to deliver race inspired performance and handling while exclusively built to the specific requirements of the Jeep Wrangler. Vehicle stability is the paramount goal with all Falcon Shocks.

For years shocks have been simply 'adapted' with minimal tuning and not specifically designed for an application. Falcon Shocks change that mentality. The Falcon Series 3 Piggyback shocks are corner specific, built from the ground up, and deliver the best damping characteristics possible with fitment and function outlining the highest priorities. A lengthy and painstaking development process has finally delivered these new advancements to a waiting Jeep market.

Series 3.2 shocks feature a simplified adjustable shock with an 8 micro position tool-adjustable dial to fine tune damping for specific terrain and handling. The 8 positions will customize compression damping from soft to firm.

The front shock features a unique piggyback design with the reservoir positioned horizontally to increase clearance with large tires during articulation and turning. An offset upper stud positions the shock body away from the frame for maximum clearance.

The rear shock positions the body and reservoir at the bottom to eliminate shaft damage from rocks kicked up by the tires. The outboard mounting increases clearance for lifted vehicles with raised track bar brackets.

Falcon Shocks feature Red Line full synthetic shock oil with a high viscosity index of 519 for consistent performance across all temperatures and reduce shock fade. The proprietary synthetic formula also contains special anti-wear and lubricity agents that produce excellent thermal stability.

FEATURES & BENEFITS

- JK specific shock
- Increased vehicle stability
- Improved dynamic roll control & low speed damping
- Optimized fitment for clearance during full suspension travel
- Front offset stud design creates additional frame clearance during articulation
- 2.25" shock body provides optimal performance
- 6061 hard anodized aluminum shock body resists wear
- Smooth honed internal shock body surface for long term performance
- 3/4" shaft to prevent shaft buckling
- · Maximum shaft diameter for optimal adjustable range
- Hard chrome, induction hardened shaft resists rock damage & corrosion
- OGS the oil/gas separator prevents cavitation
- Digressive linear piston & base valve technology
- One-piece Teflon bronze piston wear band with O-ring
- Micro position dial with 8 compression settings
- Piggyback design increases fluid flow by 6x over restricting reservoir hose designs
- Piggyback fluid passage eliminates common leakage issues found in banjo & swivel fittings
- Hard anodized billet piston
- Aluminum construction for superior heat dissipation
- Red Line full synthetic shock oil
- 1,000 hour salt spray corrosion resistance test on all hardware
- Serviceable & rebuildable (factory serviced)
- Built in-house at the TeraFlex Falcon Shock Division
- 3 year warranty
- Patent pending design

TOOL-ADJUST DIAL

OFFSET STUD DESIGN

PIGGYBACK RESERVOIR

HIGH FLOW OIL CHANNEL















FALCON SERIES 3.1

PIGGYBACK SHOCK

The Falcon Series 3.1 piggyback shock is designed and engineered to deliver race inspired performance and handling while exclusively built to the specific requirements of the Jeep Wrangler. Vehicle stability is the paramount goal with all Falcon Shocks.

For years shocks have been simply 'adapted' with minimal tuning and not specifically designed for an application. Falcon Shocks change that mentality. The Falcon Series 3 Piggyback shocks are corner specific, built from the ground up, and deliver the best damping characteristics possible with fitment and function outlining the highest priorities. A lengthy and painstaking development process has finally delivered these new advancements to a waiting Jeep market.

The front shock features a unique piggyback design with the reservoir positioned horizontally to increase clearance with large tires during articulation and turning. An offset upper stud positions the shock body away from the frame for maximum clearance.

The rear shock positions the body and reservoir at the bottom to eliminate shaft damage from rocks kicked up by the tires. The outboard mounting increases clearance for lifted vehicles with raised track bar brackets.

Falcon Shocks feature Red Line full synthetic shock oil with a high viscosity index of 519 for consistent performance across all temperatures and reduce shock fade. The proprietary synthetic formula also contains special anti-wear and lubricity agents that produce excellent thermal stability.

FEATURES & BENEFITS

- JK specific shock
- Increases vehicle stability
- Improved dynamic roll control & low speed damping
- Optimized fitment for clearance during full suspension travel
- Front offset stud design creates additional frame clearance during articulation
- 2.25" shock body provides optimal performance
- 6061 hard anodized aluminum shock body resists wear
- Smooth honed internal shock body surface for long term performance
- 3/4" shaft to prevent shaft buckling
- Maximum shaft diameter for optimal adjustable range when Upgrade Kits installed
- Hard chrome, induction hardened shaft resists rock damage & corrosion
- OGS the oil/gas separator prevents cavitation
- Digressive linear piston
- One-piece Teflon bronze piston wear band with O-ring
- Upgrade to 3.2 or 3.3 via Adjustable Cartridge Upgrade Kits for quick compression adjustments (sold separately)
- Piggyback design increases fluid flow by 6x over restricting reservoir hose designs
- Piggyback fluid passage eliminates common leakage issues found in banjo & swivel fittings
- Hard anodized billet piston
- Aluminum construction for superior heat dissipation
- Red Line full synthetic shock oil
- 1,000 hour salt spray corrosion resistance test on all hardware
- Serviceable & rebuildable (factory serviced)
- Built in-house at the TeraFlex Falcon Shock Division
- 3 year warranty
- Patent pending design

ADJUSTABLE CARTRIDGE UPGRADE



OFFSET STUD DESIGN



PIGGYBACK RESERVOIR



HIGH FLOW OIL CHANNEL





2 DOOR

3.1

0"-2" Lift (all 4) 02-01-31-400-002 2.5"-3.5" Lift (all 4) 02-01-31-400-253 4"-6" Lift (all 4) 02-01-31-400-406

4 DOOR

3.1

0"-2" Lift (all 4) 03-01-31-400-002 2.5"-3.5" Lift (all 4) 03-01-31-400-253 4"-6" Lift (all 4) 03-01-31-400-406

Install Time: 1.5 hours



3.3 Fast Adjust Cartridge Upgrade Kit

00-10-33-400-160



3.2 Tool Adjust Cartridge 00-10-32-400-160 Upgrade Kit





FALCON SECIES **C.** .

MONOTUBE SHOCK

The Falcon Series 2.1 monotube shock is designed to deliver the performance and handling requirements of the Jeep Wrangler in a compact and affordable package. The shock features an increase in stability and ride quality while maintaining comfort, perfect for daily driven Jeeps.

A Sport version of the Series 2 shock provides more aggressive off-road handling with increased compression damping, ideal for the serious enthusiast wanting a consistently firm feel through all driving conditions.

The 6061 hard anodized aluminum body protects the internal components from damage and provides superior heat dissipation for consistent performance. The monotube design incorporates the oil/gas separator to prevent cavitation.

Falcon Shocks feature Red Line full synthetic shock oil with a high viscosity index of 519 for consistent performance across all temperatures and reduce shock fade. The proprietary synthetic formula also contains special anti-wear and lubricity agents that produce excellent thermal stability.

FEATURES & BENEFITS

- JK specific shock
- Increases vehicle stability
- Improved dynamic roll control
- Improved low speed damping
- Optimized fitment for clearance during full suspension travel
- Front offset stud design creates additional frame clearance during articulation
- 2.25" shock body provides optimal performance
- 6061 hard anodized aluminum shock body resists wear
- Smooth honed internal shock body surface for long term performance
- 3/4" shaft to prevent shaft buckling
- Hard chrome, induction hardened shaft resists rock damage & corrosion
- OGS the oil/gas separator prevents cavitation
- Digressive linear piston
- One-piece Teflon bronze piston wear band with O-ring
- Hard anodized billet piston
- Aluminum construction for superior heat dissipation
- Red Line full synthetic shock oil
- 1,000 hour salt spray corrosion resistance test on all hardware
- Serviceable & rebuildable (factory serviced)
- Built in-house at the TeraFlex Falcon Shock Division
- 3 year warranty
- Patent pending design





3/4" CHROME SHAFT





OFFSET STUD DESIGN HIGH ANGULARITY BUSHING





2 DOOR

2.1

1.5"-2" Lift (all 4) 02-01-21-400-002 2.5"-3.5" Lift (all 4) 02-01-21-400-253 4"-6" Lift (all 4) 02-01-21-400-406

2.1 SPORT

1.5"-2" Lift (all 4) 02-01-21-400-002-1 2.5"-3.5" Lift (all 4) 02-01-21-400-253-1 4"-6" Lift (all 4) 02-01-21-400-406-1

4 DOOR

2.1

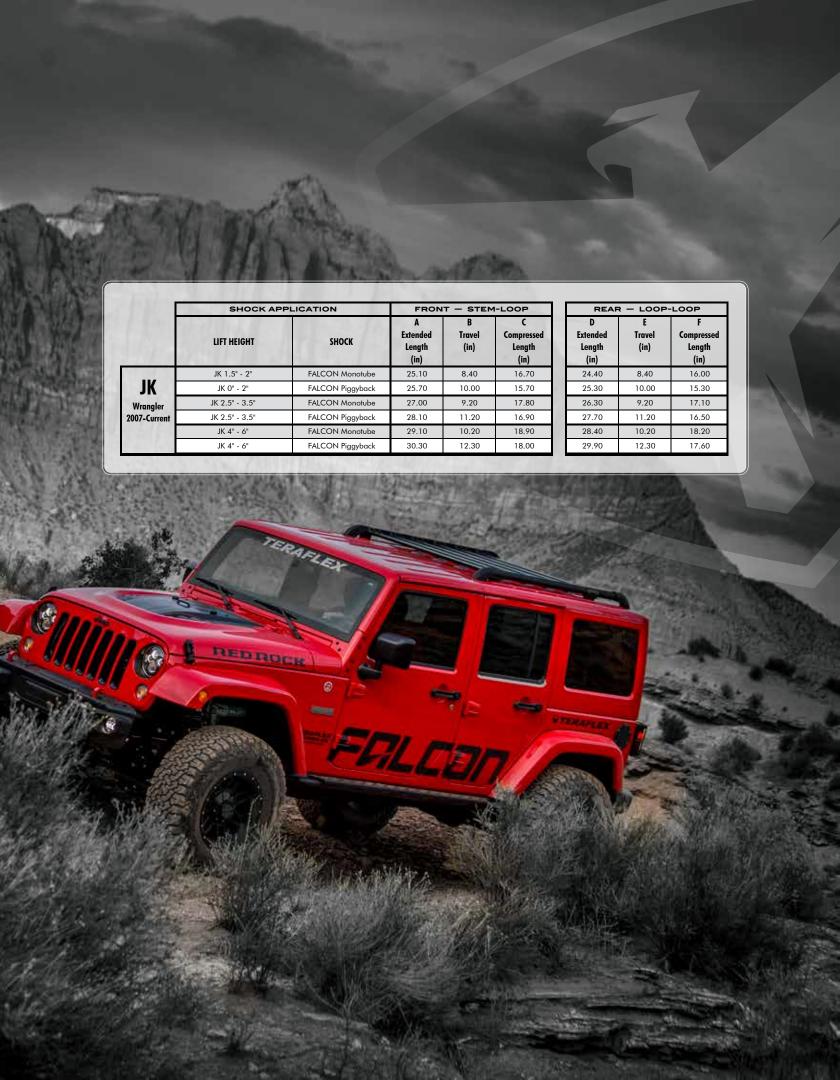
1.5"-2" Lift (all 4) 03-01-21-400-002 2.5"-3.5" Lift (all 4) 03-01-21-400-253 4"-6" Lift (all 4) 03-01-21-400-406

2.1 SPORT

1.5"-2" Lift (all 4) 03-01-21-400-002-1 2.5"-3.5" Lift (all 4) 03-01-21-400-253-1 4"-6" Lift (all 4) 03-01-21-400-406-1

Install Time: 1.5 hours











The Falcon Nexus Equal Force (EF) stabilizer has been explicitly and uniquely engineered for the JK Wrangler to provide balanced and controlled side-to-side steering response, with a properly weighted steering feel. This is accomplished by delivering consistent bi-directional turning force, and equal return to center dynamics. The Nexus EF stabilizer features a 2.125" diameter 6061 hard anodized aluminum body with low profile body cap optimized for maximum clearance and unobstructed suspension travel. The patent pending stabilizer design maintains smooth movement under extended and rapid turning maneuvers, as the integrated oil/gas separator maximizes performance by preventing cavitation.

Falcon Shocks feature Red Line full synthetic shock oil with a high viscosity index of 519 for consistent performance across all temperatures and reduce shock fade. The proprietary synthetic formula also contains special anti-wear and lubricity agents that produce excellent thermal stability.

FEATURES & BENEFITS

- JK specific stabilizer
- Equal force side-to-side resistance for consistent steering wheel response
- Allows for balanced return to center equilibrium
- No shaft displacement issues (no external reservoir required)
- Inline oil/gas separator prevents cavitation
- Smooth honed internal shock body surface for long term performance
- 5/8" hard chrome, induction hardened shaft resists rock damage & corrosion
- One-piece Teflon bronze piston wear band with O-ring
- Optimized fitment for clearance during full suspension travel & articulation
- Fast Adjust knob (2.2 model) for quick compression adjustments
- OEM style sealed rod end joint mounting provides direct responsiveness
- Red Line full synthetic shock oil
- 1,000 hour salt spray corrosion resistance test on all hardware
- Built in-house at the TeraFlex Falcon Shock Division
- 3 year warranty
- Patent pending design

FAST ADJUST KNOB

ROD END MOUNTING STUD LOW PROFILE BODY CAP

5/8" CHROME SHAFT













The TeraFlex 3" Sport S/T3 suspension system is an all-inclusively designed system and will deliver performance, dependability, and turn your weekend outing into a lifetime adventure. The S/T3 kit combines the performance enhancements of the 3" lift kit, the maintenance free benefit of Sport flexarms and proven progressive SpeedBump bump stops for a complete suspension system. The S/T3 is at home on city streets or black diamond trails.

Falcon shocks are specifically designed to accompany TeraFlex coil springs and improve both compression and rebound.

- Includes 3" lift, SpeedBump bump stops, front track bar, exhaust spacer, 6 Sport flexarms, & optional Falcon shocks
- Delivers true street & trail (S/T) performance
- Install & drive simple bolt-on installation
- Dependable performance with zero worries
- Positive, responsive handling with reduced vibration & harshness
- Preset Sport flexarms optimize correct caster & pinion angles
- High quality, factory style bushings provide excellent vibration damping & ride quality with zero maintenance
- Full range of movement for off-road flex & articulation
- No alignment or adjustment required
- TeraFlex Lifetime Warranty
- Fits up to 35" tires



2 0005

JK Sport S/T3 System w/ 3.1 Falcon Shocks

1213031

4 DOOR

JK Sport S/T3 System w/ 3.1 Falcon Shocks

1313031

Install Time: 10 hours



The Sport S/T2 suspension system delivers highway stability and trail performance for enthusiasts demanding a no-compromise solution.

Falcon shocks are specifically designed to accompany TeraFlex coil springs and improve both compression and rebound. Vehicle stability is the paramount goal.



- Includes 2.5" lift, SpeedBump bump stops, exhaust spacer, front lower Sport flexarms & optional Falcon shocks
- Delivers true street & trail (S/T) performance
- Install & drive simple bolt-on installation
- Dependable performance with zero worries
- Positive, responsive handling with reduced vibration & harshness
- Preset front lower Sport flexarms optimize correct caster & pinion angles
- High quality, factory style bushings provide excellent vibration damping & ride quality with zero maintenance
- No alignment or adjustment required
- TeraFlex Lifetime Warranty
- Fits up to 35" tires

2 DOOR

JK Sport S/T2 System w/ 2.1 Falcon Shocks 1212021

4 DOOR

JK Sport S/T2 System w/ 2.1 Falcon Shocks

1312021

Install Time: 6 hours



The Sport S/T1 suspension system provides premium handling and responsive drive in a minimal lift package. The S/T1 delivers true performance gains with minimal alterations to factory geometry.

Falcon shocks are specifically designed to accompany TeraFlex coil springs and improve both compression and rebound. Vehicle stability is the paramount goal.



- Includes 1.5" leveling lift kit, SpeedBump bump stops, front sway bar disconnects & optional Falcon shocks
- Delivers true street & trail (S/T) performance
- Install & drive simple bolt-on installation
- Dependable performance with zero worries
- Positive, responsive handling
- Reduced vibration & harshness
- · No alignment or adjustment required
- TeraFlex Lifetime Warranty
- Fits up to 33" tires

2 DOOR

JK Sport S/T1 System w/ 2.1 Falcon Shocks

1211021

4 DOOR

JK Sport S/T1 System w/ 2.1 Falcon Shocks

1311021

Install Time: 4 hours



The Alpine CT4 kit was developed for the off-road driver craving Baja handling with highway control in a dependable and maintenance free system. The Alpine CT4 long flexarm system provides full suspension articulation while reducing vibration and harshness for superior ride quality and performance over any other long arm configuration. The CT4 improves on the CT3 by combining our Elite LCG long arm brackets with Alpine long flexarms.

Falcon shocks are specifically designed to accompany TeraFlex coil springs and improve both compression and rebound. Vehicle stability is the paramount goal.

- Includes 4" lift, SpeedBump bump stops, front adjustable track bar, exhaust spacer, 8 long Alpine flexarms & optional Falcon shocks
- Dependable performance with zero worries
- Positive, responsive handling with reduced vibration & harshness
- Fully adjustable long Alpine flexarms optimize correct caster & pinion angles for 4" lift kits
- High quality, factory style bushings provide excellent vibration damping & ride quality with zero maintenance
- Full range of movement for off-road flex & articulation
- · Alignment, cutting & welding required
- TeraFlex Lifetime Warranty
- Fits up to 37" tires



2 DOOF

JK Alpine CT4 & 3.3 Falcon Shocks

1223033

4 DOOR

JK Alpine CT4 & 3.3 Falcon Shocks

1323033

Install Time: 20 hours



Interstate lane changes or Baja silt beds - no need to choose. The Alpine CT3 is the choice for the true weekend warrior with a do-it-all attitude. This complete bolt-on and maintenance-free system will transform your off-road adventures into dreams.

Falcon shocks are specifically designed to accompany TeraFlex coil springs and improve both compression and rebound. Vehicle stability is the paramount goal.

- Includes 3" lift, SpeedBump bump stops, front adjustable track bar, exhaust spacer, 8 Alpine flexarms & optional Falcon shocks
- Install & drive simple bolt-on installation
- Dependable performance with zero worries
- Positive, responsive handling with reduced vibration & harshness
- Fully adjustable Alpine flexarms optimize correct caster & pinion angles
- High quality, factory style bushings provide excellent vibration damping & ride quality with zero maintenance
- Full range of movement for off-road flex & articulation
- No alignment or adjustment required
- TeraFlex Lifetime Warranty
- Fits up to 35" tires



2 DOOR

JK Alpine CT3 System w/ 3.3 Falcon Shocks

1224033

4 DOOR

JK Alpine CT3 System w/ 3.3 Falcon Shocks

1324033

Install Time: 11 hours

FALCON SHOCK WARRANTY

TeraFlex Inc. warrants Falcon Shock absorbers to the original retail purchaser to be free of defects in material and workmanship for a period of three years from the original date of purchase. Upon verification, TeraFlex Inc. will repair or replace the shock absorber at no cost to the original user. All conditions of the standard TeraFlex Inc. product warranty apply. This warranty does not cover or include product finish, improperly installed or applied products, improperly maintained products, products used for racing or competition or damage due to abuse or neglect.

