The Most Complete Subframe System

Total Control Products front subframe clip is a direct-fit, high-performance suspension solution designed for 1964-1970 Mustangs and Cougars, featuring a factory-welded subframe with g-Machine double A-arm, rack-and-pinion crossmember. The system deletes the original shock towers opening up the engine bay to accept bolt-in installation of all popular early- or late-model engines including Ford Coyote and Chevy LS-Series. With the broadest selection of supporting suspension, steering, and brake components, the TCP frame clip system is the most highly configurable system available. Custom-tailored performance and prices levels that fit the needs of your project. Visit the TCP website and E-store for realtime price quotes.
One of the key pieces of advanced technical equipment used in development of our vehicle-retrofit component systems is the FaroArm portable coordinate-measuring machine. The FaroArm is an articulating, multi-segmented arm that enables precise three-dimensional digitization of vehicle surfaces and mounting points, accurate to within .003”. To begin, multiple identical vehicles are extensively measured to find the OEM tolerance range we must accommodate in our final design. From these scans, an exact model of the vehicle chassis is created in our Pro/ENGINEER software. Engineers can then accurately and efficiently design systems, simulate movement or conditions, and conduct finite element analysis (FEA) testing to optimize performance and durability before physically making any parts. Manufacturing fixtures and tooling are also based on the original vehicle scans, avoiding loose tolerances of transferred prototype dimensions and ensuring the quality and ease of fit of the final product.
Chassisworks-assembled frame clip inserts and welds into factory frame-rail bulkhead. Select this option if OEM subframe rails are in good condition and vehicle is primarily used for street and mild performance applications.

<table>
<thead>
<tr>
<th>TCP KCF</th>
<th>Firewall-length subframe clip welded assembly for tubular anti-roll bar</th>
</tr>
</thead>
<tbody>
<tr>
<td>TCP KCF</td>
<td>Firewall-length subframe clip welded assembly for splined-end anti-roll bar</td>
</tr>
</tbody>
</table>

Fully boxed rails with heavier wall thickness provide a more rigid structure. Recommended for high-performance, high-horsepower builds. Combine with TCP g-Connector subframe system to create a tubular structure that extends to the rear suspension.

<table>
<thead>
<tr>
<th>TCP KCS</th>
<th>Full-length subframe clip welded assembly for tubular anti-roll bar</th>
</tr>
</thead>
<tbody>
<tr>
<td>TCP KCS</td>
<td>Full-length subframe clip welded assembly for splined-end anti-roll bar</td>
</tr>
</tbody>
</table>
Shock Tower Deletes
A common obstacle when working on or swapping to a more desirable powertrain combination are the factory shock towers. Each frame clip includes a pair of recessed-pocket steel delete panels with rubber splash flaps. Panel edges are pre-drilled for rosette welding to factory inner fenders and securing splash flaps with included hardware.

| TCP JA1  | 1964-66 Mustang tower delete panels |
| TCP JA2  | 1967-70 Mustang / Cougar delete panels |
| TCP JC1  | 1964-70 Mustang / Cougar inner fender splash flaps |

Oil Pan Fitment and Notes

| Ford 289/302 | Use Ford Performance oil pan kit #M-6675-A50. 5.0L oil pan kit. Includes rear sump oil pan, dipstick, dipstick tube, pickup and main cap stud. Ideal for engine swaps. NOTE: Does not have provision for low oil sender. Fasteners not included.  
Directly fits 1983-2001 production blocks only. Blocks prior to 1982 require modification to incorporate dipstick receiver (Canton 20-850 or 20-854). |
| Ford 351C   | Requires custom oil pan. |
| Ford 390/428| Requires use of custom pan with external oil pump or drysump. Visit www.avaid.com for product options. |
| GM LS-Series| Requires custom oil pan. |
Engine Mounts
The significant increase in engine bay space make room for most engine choices. Straightforward, simple bolt-in installations are accommodated by our poly-bushed steel mounts for popular early- and late-model Ford and GM engines.

<table>
<thead>
<tr>
<th>Model</th>
<th>Engine Model</th>
<th>Fitment</th>
</tr>
</thead>
<tbody>
<tr>
<td>TCP MM-C1S</td>
<td>Ford</td>
<td>260, 289, 302</td>
</tr>
<tr>
<td>TCP MM-C2S</td>
<td>Ford</td>
<td>390, 427, 428 - FE</td>
</tr>
<tr>
<td>TCP MM-C3S</td>
<td>Ford</td>
<td>Coyote, V8 Modular</td>
</tr>
<tr>
<td>TCP MM-C4S</td>
<td>Ford</td>
<td>260, 289, 302 - (adjustable)</td>
</tr>
<tr>
<td>TCP MM-C5S</td>
<td>Ford</td>
<td>351W, 351C - (adjustable)</td>
</tr>
<tr>
<td>TCP MM-C6A</td>
<td>Chevy</td>
<td>LS-series</td>
</tr>
<tr>
<td>TCP MM-C7A</td>
<td>Chevy</td>
<td>V8 side mount</td>
</tr>
<tr>
<td>TCP MM-C8S</td>
<td>Chevy</td>
<td>LS-series</td>
</tr>
<tr>
<td>TCP MM-C9S</td>
<td>Chevy</td>
<td>V8 side mount</td>
</tr>
</tbody>
</table>

FORD - Adjustable Position, Steel

Small Block Short (TCP MM-C4S)
Fits: 260, 289, 302

Small Block Tall (TCP MM-C5S)
Fits: 351W, 351C

FORD - Fixed Position, Steel

Small Block Short (TCP MM-C1S)
Fits: 260, 289, 302

FE Big Block (TCP MM-C2S)
Fits: 390, 427, 428

Modular-Coyote (TCP MM-C3S)
Fits: Modular, Coyote 2011-2016

CHEVY - Fixed Position, Steel

LS Series (TCP MM-C8S)
Fits: All LS style engines

Chevy V8 (TCP MM-C9S)
Fits: All big- and small-block engines

CHEVY - Fixed Position, Aluminum

LS Series (TCP MM-C6A)
Fits: All LS style engines

LS Series (TCP MM-C7A)
Fits: All LS style engines
Single-Piece 4 x 2” Crossmember

Bent-tube, billet-component crossmembers are a completely closed, rigid structure with greater strength and resistance to bending and twisting than other designs. Formed from a single piece of 4 x 2 x .120” steel tubing, large-radius mandrel bends are placed at each end to distribute loads throughout the crossmember, eliminating fatigue points at critical areas. Slots for the billet-mount tabs are machined in a horizontal machining center with dedicated fixturing to guarantee correct component geometry that ensures the suspension moves as designed.

Interlocking-Slot-Tab Technology

Self-fixturing female slots used with machined male tabs provide an interlocking assembly method that enables A-arm, rack and pinion, and shock mounts to be accurately positioned in all axes. This guarantees the suspension will perform as designed. Non-interlocking designs are not nearly as accurate after welding. Our superior spray-arc welding process produces the best weld penetration with excellent appearance.
**Steering Components**

**Manual Rack and Pinion**  
(Left Hand Drive - USA, Europe)  
Billet-aluminum construction with satin anodized finish.

**Power Rack and Pinion**  
(Left Hand Drive - USA, Europe)  
(Right Hand Drive - Australia, New Zealand, U.K., Japan)  
Specific-configuration steel-body rack with rotatable banjo fitting; black finish.

**Billet Rack Mounts and Clamps**  
Billet steel rack mounts using dual slot-tab technology form an interlocking bridge between the 4 x 2” crossmember and billet aluminum rack brackets. The angled mount fixture welds to a 4 x 2” crossmember, attaching to the rack body at the widest points. This allows positioning of the rack above the bottom of the crossmember, safe from road hazards. Billet aluminum rack clamps attach into interlocking grooves in the rack gearbox, preventing flex in hard cornering unlike rubber-mounted designs. This also allows rotation of the input shaft to aid steering-shaft installation around engine obstacles and the exhaust system.
Billet Manual Rack and Pinion

Rack-and-Pinion Body

The rack-and-pinion main body is made up of three components threaded together at O-ring–sealed joints to create a rigid, lightweight structure. A sturdy, polished, stainless-steel center tube connects the gear box to the outer body and features a smaller diameter for additional harmonic-balancer clearance. The gear box and opposite-end rack body are CNC-machined from aluminum to increase wall thickness for added strength directly under the rack mounting clamps without excessive weight.

Unique Sculpted Gear Box

A sculpted-surface gear box shape was developed through the use of finite element analysis (FEA) software to eliminate fatigue points, minimize gear box deflection, and provide an attractive modernized appearance. Due to the complexity in engineering and machining this component, most manufacturers are limited to inferior cast or simple geometric designs. To attach the protective rubber boots at each end of the rack assembly, external grooves are present for slip-proof installation and easy replacement if ever necessary.

Internal Components

The helical-cut pinion gear and rack shaft are supported by a combination of low-friction, polymer bushings and roller bearings for smooth gear engagement and extended service life. A spring-loaded gear-lash mechanism enables precise and predictable “zero-play” steering with no need for future adjustment. Tie-rods are screwed directly into the rack gear and locked using crush tabs to prevent loosening. During final assembly all internal components are thoroughly lubricated and the rack completely sealed to prevent contaminants from entering.

When used with Chassisworks sculpted or fabricated spindles, the complete system provides a comfortable balance of responsiveness and steering effort. The rack features four turns lock to lock with 5.25” of travel. To reduce wear, internal stops prevent unnecessarily loading the tie-rod pivots. Connecting the rack and pinion requires a 3/4” 36-spline universal joint and 9/16”-18 female-thread tie-rods or bumpsteer adjusting sleeves. For a high-quality appearance, center tubes are polished stainless steel with billet aluminum rack-body components available in anodized-satin or polished finishes.
g-Machine Power Rack and Pinion

The g-Machine front-steer power rack and pinion provides responsive steering with excellent driver feedback as a direct bolt-on for Total Control Product Mustang front clip. To increase durability, performance, and reduce deflection, the rack body, control servo, and hard lines are constructed from steel. Hard lines are routed tightly against the rack body and low-profile, rotatable banjo fittings are used exclusively at the control servo to better package the rack for installation.

Internal Components

For smooth gear engagement and extended service life, helical-cut rack-and-pinion gears are guided by a combination of low-friction, polymer bushings and roller bearings. A gear-lash mechanism enables precise and predictable “zero-play” steering with no need for future adjustment. Tie-rods are screwed directly into the rack gear and locked using crush tabs to prevent loosening. During final assembly all internal components are thoroughly lubricated and durable rubber boots attached to completely seal the rack and prevent contaminants from entering. Connecting the rack and pinion requires a 16.8-mm DD universal joint, 9/16”-18 female-thread tie-rods or bumpsteer adjusting sleeves, and -6 AN high-pressure hose ends. Racks are black-powder-coat-finished with anodized-satin-finished mounts.

Common Specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification/Dimension</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rack Travel</td>
<td>3 turns lock to lock, 1.8” per turn, 5.375” total travel</td>
</tr>
<tr>
<td>Inner-Tie-Rod Thread</td>
<td>9/16-18 RH Male</td>
</tr>
<tr>
<td>Inner-Tie-Rod Length¹</td>
<td>10.135”</td>
</tr>
<tr>
<td>Tie-Rod Assembly Length²</td>
<td>13.283”</td>
</tr>
<tr>
<td>Input Shaft</td>
<td>16.8-mm DD</td>
</tr>
<tr>
<td>Hydraulic Fittings</td>
<td>-6 AN (pressure and return)</td>
</tr>
<tr>
<td>Recommended Pump Flow Rate</td>
<td>1.0 - 1.5 gpm (3.8 - 5.7 lpm)</td>
</tr>
</tbody>
</table>

Notes:

1. Measured from tie-rod pivot center to end of threaded shaft.
Aftermarket Tilt Columns

Aftermarket, five-position, tilt steering columns are optional with the rack and pinion package. Column lengths are specific to our rack and pinion installation and provide improved universal joint alignment compared to competitors aftermarket columns. All columns have the stock Ford steering wheel spline, 11/16-36. The spline at the steering column shaft is 3/4-36. Columns are available in three finishes, paintable, black powder coated or chrome plated. Electrical connectors and floor mounts are also included. Columns can also be purchased separately for use with the rack and pinion call for part numbers.

### Paintable Steel
(1964-1966 shown)

### Chrome Plated Steel
(1967 shown)

### Black Powder Coat
(1968-1969 shown)

<table>
<thead>
<tr>
<th>Application</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1964-1966 Mustang</td>
<td>Paintable Tilt Column Stock Steering Wheel Spline</td>
</tr>
<tr>
<td>1967 Mustang / Cougar</td>
<td>Paintable Tilt Column Stock Steering Wheel Spline</td>
</tr>
<tr>
<td>1968-69 Mustang / Cougar</td>
<td>Paintable Tilt Column Stock Steering Wheel Spline</td>
</tr>
<tr>
<td>OPTIONS</td>
<td>Black Powder Coated</td>
</tr>
<tr>
<td></td>
<td>Chrome Plated</td>
</tr>
</tbody>
</table>

Note: Aftermarket columns are not compatible with Rally-Pac gauge pod.
**Steering Shaft Components**

A selection of hardware component kits are available to complete installation with OEM or aftermarket steering columns. Kits include replacement OEM shaft, floor mount with rubber gasket, column roller bearing, intermediate steering shaft, and universal joints.

**Components for Factory Columns**

Vehicle specific installation kits are available for use of factory or aftermarket steering columns.

Non-collapsible steering columns were in use from 1960 through early 1967. Most vehicle’s column tube and steering shaft were supported directly by the steering box. Rack installation requires the column tube be shortened, steering shaft replaced and the addition of a firewall mount. The remaining early 1967 vehicles featured a shortened column tube, factory firewall mount and rag-joint but remained non-collapsible. These applications are supplied a correct length steering shaft with roller bearing assembly (Photo 1) and pivoting firewall mount with factory seal (Photo 2). Non-collapsible tilt or swing-away columns must upgrade to factory collapsible or aftermarket columns.

Late 1967 through 1970 steering columns feature a slip-fit collapsible steering shaft and can be identified by measuring the 1” diameter shaft above the rag-joint. A replacement lower slip shaft, roller bearing assembly and firewall seal (Photo 3) is provided.

All installations also receive an intermediate steering shaft kit with needle bearing universal joints. Various u-joint sets are available to accommodate major aftermarket column manufacturers and high-misalignment applications (Photo 4).

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**Wheel and Tire Clearance**

The inner fender panel and outside fender are in the exact same position as stock. Any tire and wheel width combination that fits the stock car will fit with our clip. Contact your wheel manufacturer or supplier to verify what wheel and tire sizes fit your car. The TCP front clip hub-to-hub width differs depending upon suspension and brake choice, so wheel offset must be adjusted accordingly.

### 1965-1966 Mustang

<table>
<thead>
<tr>
<th>Brake Kit</th>
<th>Clip</th>
<th>Hub Width (per side)</th>
<th>Change (per side)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stock Drums</td>
<td>Stock</td>
<td>56-3/4”</td>
<td>0”</td>
</tr>
<tr>
<td>TCP DB122-BK, TCP DB122-RD</td>
<td>TCP</td>
<td>57-3/4”</td>
<td>+1/2”</td>
</tr>
<tr>
<td>TCP DB111-BK, TCP DB143-BK, TCP DB175-BK</td>
<td>TCP</td>
<td>59”</td>
<td>+1-1/8”</td>
</tr>
<tr>
<td>TCP DB275-BK, TCP DB295-BK (wide-track arms)</td>
<td>TCP</td>
<td>60”</td>
<td>+1-5/8”</td>
</tr>
</tbody>
</table>

### 1967-1970 Mustang / Cougar

<table>
<thead>
<tr>
<th>Brake Kit</th>
<th>Clip</th>
<th>Hub Width (per side)</th>
<th>Change (per side)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stock Drums</td>
<td>Stock</td>
<td>58-3/4”</td>
<td>0”</td>
</tr>
<tr>
<td>TCP DB122-BK, TCP DB122-RD</td>
<td>TCP</td>
<td>57-3/4”</td>
<td>-1/2”</td>
</tr>
<tr>
<td>TCP DB111-BK, TCP DB143-BK, TCP DB175-BK</td>
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<tr>
<td>TCP DB275-BK, TCP DB295-BK (wide-track arms)</td>
<td>TCP</td>
<td>60”</td>
<td>+5/8”</td>
</tr>
</tbody>
</table>

**Benefits of Increasing Hub Width**

- Decreased scrub radius; tire pivots about its center
- Reduced steering effort
- Less weight jacking effect
- Improved suspension geometry (Wide Track Arms)
**Brake Kits**

**Street Machine Scuplted Spindle**
Our most popular and versatile spindle; suitable for use in all performance applications.

TCP DB175-BK
14” x 1.25” vented rotor billet-aluminum hat and hub, with 6-piston radial-mount caliper

TCP DB143-BK
13” x 1” vented rotor billet-aluminum hat and hub, with 4-piston radial-mount caliper

**gStreet Pro-Touring Billet-Aluminum Upright**
The gStreet unit-bearing upright for the ultimate accuracy and control.

TCP DB275-BK
14” x 1.25” vented rotor with billet-aluminum hat and 6-piston radial-mount caliper

TCP DB295-BK
15” x 1.25” vented rotor with billet-aluminum hat and 6-piston radial-mount caliper

**Drag Race Fabricated Spindle**
High-strength 4130 upright and spindle for reliability and reduced weight.

TCP DB111-BK
11-3/4” x .35” slotted rotor billet-aluminum hat and hub, with 4-piston (Drag race only)

TCP DB122-BK
11-3/4” x .81” vented 1-piece rotor with 4-piston caliper; optional red caliper not shown

TCP DB275-BK
14” x 1.25” vented rotor with billet-aluminum hat and 6-piston radial-mount caliper

TCP DB295-BK
15” x 1.25” vented rotor with billet-aluminum hat and 6-piston radial-mount caliper
Control Arms

Street-Machine Arms
- Street and drag race performance applications
- Adjustable upper control arm
- Low-friction, deflection free polymer pivots
- Heavy-duty screw-in ball joints
- Mandrel-bent 7/8” and 1” mild-steel tubing

| 6171 | Street-Machine Upper Arms, bare steel |
| 6181 | Street-Machine Upper Arms, gloss black |
| 6172 | Street-Machine Lower A-Arms, bare steel |
| 6182 | Street-Machine Lower A-Arms, gloss black |

g-Machine Arms
- Stree and performance-handling applications
- Rigid triangulated arm brace design
- Upper arm couplers for on-car adjustment
- Low-friction, deflection free polymer pivots
- Heavy-duty screw-in ball joints
- Mandrel-bent 1” and 1-1/4” mild-steel tubing

| 6152 | g-Machine Upper Arms, matte black |
| 6153 | g-Machine Lower A-Arms, matte black |

gStreet Arms
- Ultimate pro-touring and race applications
- Wide track suspension geometry
- Requires gStreet billet-aluminum upright
- High load capacity pivot ball mechanisms
- Rigid triangulated arm brace design
- Mandrel-bent 1” and 1-1/4” mild-steel tubing

| 6156 | gStreet Upper Arms, matte black |
| 6157 | gStreet Lower A-Arms, matte black |
**Suspension Systems**

Five different base suspension and steering systems are offered with a variety of options from which to choose. Detailed option selectors are viewable online by adding to your shopping part.

<table>
<thead>
<tr>
<th>System</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TCP KS4</td>
<td><strong>Ultimate Pro-Touring</strong> - gStreet wide-track suspension with billet-aluminum large-unit-bearing hub, remote-reservoir 4-way coil-over option. Multiple brake options</td>
</tr>
<tr>
<td>TCP KS3</td>
<td><strong>g-Machine System</strong> - g-Machine suspension with sculpted spindle, multiple brake options</td>
</tr>
<tr>
<td>TCP KS2</td>
<td><strong>Restomod System</strong> - Street Machine stainless or black arms with sculpted spindle, multiple brake options</td>
</tr>
<tr>
<td>TCP KS1</td>
<td><strong>Value System</strong> - Street Machine arms with sculpted spindle, multiple brake options</td>
</tr>
<tr>
<td>TCP KS5</td>
<td><strong>Drag Race System</strong> - Street Machine arms with fabricated spindle, multiple brake options</td>
</tr>
</tbody>
</table>

**Ultimate Pro-Touring System**

**g-Machine System**

**Restomod System**

**Value System**

**Drag Race System**
Value System (TCP KS1)

Suspension Components

- **CONTROL ARMS:**
  - Street Machine style
  - Black or bare arms

- **SPINDLES:**
  - Sculpted style
  - Black or bare

- **ANTI-ROLL BARS:**
  - 3/4”, poly-poly
  - 1”, bearing-poly
  - 1-1/4”, bearing-poly

- **TOOLS:**
  - Ball-joint wrench

**Shock Absorbers**

- **COIL-OVER SHOCKS:**
  - Preset or single adjustable
  - 500 to 750 lb/in

- **AIR-SPRING SHOCKS:**
  - Single or double adjustable

- **SHOCK HARDWARE:**
  - Grade 8 hex head
  - Stainless spuds

- **TOOLS:**
  - Shock simulators

**Steering**

- **MANUAL RACK:**
  - Satin anodized

- **POWER RACK:**
  - Left-hand drive (USA)
  - Right-hand drive (AUS)

- **TIE RODS:**
  - OEM style
  - Bump steer kit

**Brakes**

- **11-3/4 x .81”:**
  - 1-piece vented rotor and hub
  - 4-piston caliper
  - Black or red

- **13 x 1.00”:**
  - Vented iron rotor
  - Billet-aluminum hat and hub
  - 4-piston caliper

- **14 x 1.25”:**
  - Vented iron rotor
  - Billet-aluminum hat and hub
  - 6-piston caliper
Restomod System (TCP KS2)
Suspension Components

CONTROL ARMS:
• Street Machine style
• Black or bare arms

SPINDLES:
• Sculpted style
• Black or bare

ANTI-ROLL BARS:
• 3/4”, poly-poly
• 1”, bearing-poly
• 1-1/4”, bearing-poly

TOOLS:
• Ball-joint wrench

COIL-OVER SHOCKS:
• Preset, single or double adjustable
• 500 to 750 lb/in

AIR-SPRING SHOCKS:
• Single or double adjustable

SHOCK HARDWARE:
• Grade 8 hex head
• Stainless spuds

TOOLS:
• Shock simulators

MANUAL RACK:
• Satin anodized

POWER RACK:
• Left-hand drive (USA)
• Right-hand drive (AUS)

TIE RODS:
• OEM style
• Bump steer kit

11-3/4 x .81”:
• 1-piece vented rotor and hub
• 4-piston caliper
• Black or red

13 x 1.00”:
• Vented iron rotor
• Billet-aluminum hat and hub
• 4-piston caliper

14 x 1.25”:
• Vented iron rotor
• Billet-aluminum hat and hub
• 6-piston caliper

13 x 1.00”:
• Vented iron rotor
• Billet-aluminum hat and hub
• 4-piston caliper
g-Machine System (TCP KS3)

Suspension Components

CONTROL ARMS:
- g-Machine style
- Black arms

SPINDLES:
- Sculpted style
- Black or bare

ANTI-ROLL BARS:
- 1” fixed rate
- 1-1/4” fixed rate
- 1-1/4” splined adjustable

TOOLS:
- Ball-joint wrench
- Shock simulators

11-3/4 x .81”:
- 1-piece vented rotor and hub
- 4-piston caliper
- Black or red

13 x 1.00”:
- Vented iron rotor
- Billet-aluminum hat and hub
- 4-piston caliper

14 x 1.25”:
- Vented iron rotor
- Billet-aluminum hat and hub
- 6-piston caliper

Shocks Absorbers

COIL-OVERS:
- Preset, single or double adjustable
- 500 to 750 lb/in

QR4 COIL-OVERS:
- 4-way adjustable
- Remote reservoir
- Reservoir mounts

AIR-SPRING SHOCKS:
- Single or double adjustable

SHOCK HARDWARE:
- Grade 8 hex head
- Stainless spuds

Steering

POWER RACK:
- Left-hand drive (USA)
- Right-hand drive (AUS)

TIE RODS:
- OEM style
- Bump steer kit

Brakes

11-3/4 x .81”:
- 1-piece vented rotor and hub
- 4-piston caliper
- Black or red

13 x 1.00”:
- Vented iron rotor
- Billet-aluminum hat and hub
- 4-piston caliper

14 x 1.25”:
- Vented iron rotor
- Billet-aluminum hat and hub
- 6-piston caliper
**Ultimate Pro-Touring System (TCP KS4)**

### Suspension Components

**CONTROL ARMS:**
- gStreet style
- Wide-track geometry

**SPINDLES:**
- Billet aluminum
- Unit-bearing hub
- Centerlock option

**ANTI-ROLL BARS:**
- 1-1/4” splined bar
- Adjustable rate

**TOOLS:**
- Shock simulators

### Shock Absorbers

**COIL-OVERS:**
- Single or double adjustable
- 500 to 750 lb/in

**QR4 COIL-OVERS:**
- 4-way adjustable
- Remote reservoir
- Reservoir mounts

**AIR-SPRING SHOCKS:**
- Single or double adjustable

**SHOCK HARDWARE:**
- Grade 8 hex head
- Stainless spuds

### Steering

**POWER RACK:**
- Left-hand drive (USA)
- Right-hand drive (AUS)

**TIE RODS:**
- Bump steer kit

### Brakes

**14 x 1.25”:**
- Vented iron rotor
- Billet-aluminum hat and hub
- 6-piston caliper
- Black, red, or nickel caliper

**15 x 1.25”:**
- Vented iron rotor
- Billet-aluminum hat and hub
- 6-piston caliper
- Black, red, or nickel caliper
Drag Race System (TCP KS5)

Suspension Components

CONTROL ARMS:
- Street Machine style
- Black or bare arms

RACE SPINDLES:
- Fabricated 4130
- Black

STREET SPINDLES:
- Fabricated 4130
- Black or bare

TOOLS:
- Ball-joint wrench

Shock Absorbers

COIL-OVER SHOCKS:
- Single or double adjustable
- 250 to 500 lb/in

TOOLS:
- Shock simulators

Steering

MANUAL RACK:
- Satin anodized

TIE RODS:
- OEM style
- Bump steer kit

Brakes

11-3/4 x .35”:
- Slotted rotor
- Billet-aluminum hub
- 4-piston caliper

11-3/4 x .81”:
- 1-piece vented rotor and hub
- 4-piston caliper
- Black or red
**Related Products**

**Late Ford Transmission Adapter**
Adapter allows use of late model Ford transmission with horizontal plane transmission crossmember; urethane mount included.

**Weld-In Transmission Crossmember**
One and one-quarter inch bent crossmember allows drop and fore/aft position to be adjusted for best fit with non-standard engine and transmission swaps.

**Subframe g-Connector System**
Fits 1964-70 Mustang and 1967-70 Cougar (Hardtop) - Includes weld-in subframe g-Connectors, bolt-in center support, and driveshaft safety loop. Fits completely under floor with mounts for optional center support and driveshaft loop.

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All prices subject to change. Current pricing available at www.totalcontrolproducts.com.