

SUSPENSION · CHASSIS · COMPONENTS 2025 CATALOG



Next

Engineered for Performance, Driven by Excellence for Over 50 Years.

Warranty



Mission Statement

DUAL WARRANTY

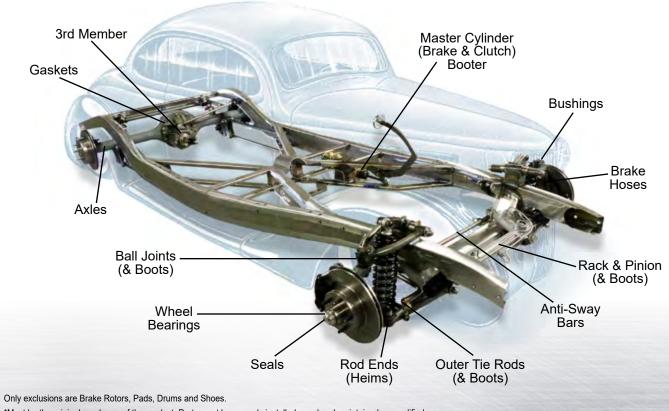
LIFETIME WARRANTY ON TCI MANUFACTURED ITEMS 6 YEAR/60,000 MILE WARRANTY ON WEAR & TEAR ITEMS

Total Cost Involved Engineering provides another level of customer confidence and further confirms our commitment to customer service and we take quality very seriously. Total Cost Involved Engineering uses only the best materials and workmanship in the industry so to prove it we will stand behind these parts for 6 years or 60,000 miles (whichever comes first). Whether you buy a leaf spring kit, a complete rolling chassis or anything in between we offer the Best Warranty in the hot rod and classic car business.

Don't be fooled by cheap prices on cheap parts that won't last. Quality doesn't cost, it pays. Total Cost Involved Engineering has manufactured high quality Ford & Chevy street rod, muscle car, and classic truck chassis & suspensions parts for over 50 years so buy from the company that makes great parts at modest prices. This new warranty is in addition to the existing Lifetime Warranty on items Total Cost Involved Engineering manufactures in-house. Call for details.

Wear & tear items include:

Link Bar Bushings, Anti-Sway Bar Bushings, Pedal Arm Bushing, Front Shocks, Front Shock Bushings, Torque Arm Slider Bushings, Torque Arm Slider Boot, Rack & Pinion Bushings, Axles, Bolt-On Anti-Sway Bar Brackets, Brake Line, Brake Line Clamps, Rear Axle Seals, Thru-Frame Fittings, Leaf Spring U-Bolts, TCI All American Coil-Overs, Coil-Over Bushings, Coil-Over Spherical Bearings, Anti-Sway Bars, Booster, Master Cylinder (Brake & Clutch), Upper Control Arm Cross-shaft, Brake Hoses, Bushing Adjusters, King Pins, Vega Steering Box, Steering U-Joints, Steering Column, Engine/Transmission Mounts, Shocks, Springs (Coil & Leaf), Air Bags, Proportioning Valve, Check Valves, Hardware, Power Steering Hose Kit, Flow Valves, and Headers.



*Must be the original purchaser of the product. Parts must be properly installed, used and maintained, unmodified, no damages and are subject to inspection. Free replacement parts only, non refundable. Labor and freight not included.



Total Cost Involved Engineering takes pride in our halfcentury legacy built on a solid foundation of excellence. Since 1974, our passion for expertise in craftsmanship, engineering, racing our own creations, and commitment to cutting-edge technology have defined our journey in highperformance suspension and chassis.

Today, we operate a 32,000 square foot manufacturing facility, delivering a broad mix of products to street rodders, hot rodders, and muscle car enthusiasts nationwide. We've earned numerous design awards, including the coveted 'Manufacturer of the Year' Award from SEMA-SRMA.

From the start, our promise has been clear: to collaborate with each customer in creating their perfect ride every time. At the heart of our manufacturing philosophy is an unwavering focus on comfort, performance, and safety - a commitment that has endured and will continue.

- Ed Moss, Founder & President



Ed Moss drag racing days circa 2003. 1937 Ford Drag Car, 446-inch Ford Boss Hemi, 204.40 mph. 6.716 sec

Click link for Shortcut



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Get a Quote on All Chassis. **Suspensions & Components**

BUY NOW >

Our best-selling suspensions in stock & ready to ship



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Customer Showcase & Testimonial

Click on image for FULL BUILD]

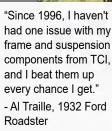


Street Driven - Track Proven

"We have really appreciated the firm foundation and awesome customer service that TCI has provided us. My TCI complete chassis is working perfectly! Thanks to the entire team at TCI for being with us from the start to the finish line!"

- Michael & Linda Okuley, 1929 Ford Model A







Needed a cool and heavy-duty frame and equipment to make my engine look and work good, so I went with a TCI full 1932. Thanks for a Cool Safe Ride. Running a 800+hp Ford Pick Up" Jim Black, 1932 Ford Pickup













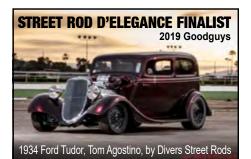
1932 Ford Coupe, Pat & Marcia Thomas, by Kenny's Rod Shop

BEST FORD IN A FORD WINNER

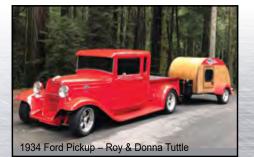
2014 NSRA Street Rod Nationals North

1932 Ford Pickup - Robert Lambert

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MARNING: This product can expose you to chemicals including arsenic, which is known to the State of California to cause cancer. For more information, go to www.P65Warnings.ca.gov

"We used a full front and rear TCI suspension, it handles like a brand new car, and the customer service is really great, it sold me from the start." - Aaron Watkins.

Watkins Restorations, 1950 Chevy Sedan



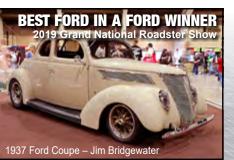
"My '33 Ford Old Faithful has been cruizin' for 139.000 miles on my TCI chassis for 24 years!! Rockin' beside the stage of ZZ Top, Joan Jett, Bad Company, etc. Never on a trailer Jim Mothershead, 1933 Ford Sedan











1954 Buick Century 'Jaded' - Fred DeFalco

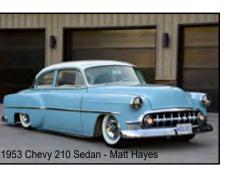




Click on image for FULL BUILD]

"The TCI Mustang II IFS with the TCI Parabolic Leaf Spring Rear Suspension is amazing. If you don't buy TCI, you're certainly not buying the best. Their products are worth every penny!" - Ed Mitchell, 1954 Chevy 210 Delray







3 Chevy, Ray McDonald, built by Chris Carl





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'28-36 Chevy Suspension



'37-54 Chevy Car Suspension



28-36 CHEVY CAR & TRUCK CUSTOM IFS

Click on image for FULL BUILD 7



This Custom IFS is engineered for easy installation, enhanced drivability and broader range of alignment adjustments. This front end is based on our custom designed spindle with bolt on steering arms and proprietary geometry to maximize comfort and performance. One piece crossmember installs easier than the traditional 3 piece design. The offset stainless eccentric adjuster provides easy camber and caster adjustments. Rear mounted rack and pinion & anti-sway bar leaves the visible side of the crossmember open and clean. Available with dropped or stock height spindles to provide a ride height that matches your specific desires.

Features & Benefits:

- This front end is engineered for a cleaner look and easy installation Lowered stance and center of gravity provide superior handling Custom spindle and bolt on steering arm provides superior
- performance and ride quality 3/16" Heavy duty cross member provides superior strength Offset eccentric upper control arm mounting provides easy
- alignment, tuning adjustability and control of camber and caster Heavy duty upper and lower screw-in ball joints for additional
- strength and durability · Heavy duty upper and lower control arms provide added safety
- · Vented rotors and big bore calipers provide excellent braking canabilities
- Energy suspension bushings provide long lasting performance
- · Performance anti-roll bar provides superior handling characteristics
- Ridetech coilovers provide 1,000,001 Mile Warranty





Included Products:

· Black powder coated springs

• RideTech Single Adjustable Coil-Over

Manual rack and pinion (power available)

• 1¹/₈" x .156w U.S. DOM tubular upper &

· GM Big bore disc brake kit (20% more

• Spindles (stock height or 2" drop)

• 3/4" Performance anti-sway bar

Greasable urethane bushings

Crossmember

Shocks

lower A-arms

clamping force)

· Custom steering arms



Single Adjustable Shock

caster adjustments via shims instead of alignment slots. This design eliminates the T-bolt design that was prone to slipping and throwing your alignment out when you hit pot holes.

Features & Benefits:

characteristics

- · This front end is engineered for a cleaner look and easy installation
- · Lowered stance and center of gravity provide superior handling
- Moves the wheels back to the center of the wheel well
- Redesigned upper control arm mounting brackets provide easy
- alignment, tuning adjustability and control of camber and caster Spindles (stock height or 2" drop) • 3/16" Heavy duty cross member and boxing plates provide
- superior strength
- · Heavy duty upper and lower screw-in ball joints for additional strength and durability
- · Heavy duty upper and lower control arms provide added safety and strength
- · Vented rotors and big bore calipers provide excellent braking capabilities
- Energy suspension bushings provide long lasting performance
- · Performance anti-roll bar provides superior handling

power steering flow valves and power steering hose kits.

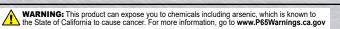
clamping force)

Painted shocks

Crossmember

"I installed both the TCI Mustang II front clip and rear

Air Spring Kit



totalcostinvolved.com · 800-984-0223

11" with 4 Piston Calipers

ridetech ≐

12" with 4 Piston Calipers

MARNING: This product can expose you to chemicals including arsenic, which is known to the State of California to cause cancer. For more information, go to www.P65Warnings.ca.gov

14" with 6 Piston Calipers

13" with 6 Piston Calipers

★ US STEEL ★

ridetech ≐

Single Adjustable Shock (F&R)

Stock Height Spindles

6

(Requires Wilwood Calipers

ALL TCI PRODUCTS ARE ENGINEERED WITH

and strength



Passenger side shown with coil spring. Driver side shown with air spring option. This product is designed for a V-8 conversion only.

> *Painting & Powder Coating For Display Only

Click on image for FULL BUILD 7

37-54 CHEVY CAR COIL-SPRING IFS

This Coil-Spring IFS is engineered for easier installation, enhanced drivability and broader range of alignment adjustments. We have re-engineered the original spring towers to now utilize a vertical metal plate for mounting the upper control arms. This new design allows easy camber &

Included Products:

Click On Product To SHOP NOW!

· Coil-spring upper towers 7/8" Performance anti-sway bar • 1" x .156w U.S. DOM tubular upper A-arms • 11/8" x .156w U.S. DOM tubular lower A-arms Greasable urethane bushings · Manual rack and pinion (power available) • GM Big Bore disc brake kit (20% more

· Black powder coated springs

* See page 24 for steering columns, u-joints,

1953 Chevy Sedan Ray McDonald built by Chris Carlson

8













13" with 6 Piston Calipers

7

'37-54 Chevy Car Suspension



'37-54 Chevy Car Suspension



37-54 CHEVY CAR CURRIE 9" REAR AXLE

Click on image for FULL BUILD]





TCI Engineering fabricates all of its 1937-1939 and 1949-1954 Chevy Car 9 inch Ford Rearend housings in-house using only high quality 100% Curries 9-Plus rear end components. Modeled after the popular factory 9" Ford stock housing which is now nearly extinct, the 9-Plus Hot Rod housing is similar to the early style . The 9-Plus model is made of U.S. supplied premium grade formed steel. Strength and rigidity is increased by using thicker gauge steel. The housing comes with American Made 3" O.D. x .188" wall 1026 D.O.M. steel tubing. 100% new Billet steel 9-Plus late model large bearing (Torino style) housing ends. Exhaust routing is made easier and bracket clearance is increased due to the shape of the housing.

Features & Benefits:

- 9-Plus Hot Rod housing utilizes thicker gauge steel for increased strength and rigidity
- Your choice of gear ratios to match desired cruise RPM • 100% brand new Nodular Iron case is Strong and Durable • 31 Spline High Performance 1541 Forged Allov axles are
- rated for 600 HP Commonly used Late/Large bearing housing ends makes
- finding replacement bearings/seals easy Tapered roller bearings provide the proper preload for long bearing life
- 1330 Yoke is commonly used and durable
- The 9-Plus Rear Drum Brake Kit comes complete with backing plates assembled

- Included Products:
- · Currie round back housing with late/large Ford bearing flanges (width of your choice)
- · All TCI Suspension bracketry installed and fixture welded • Nodular 3rd member with your choice of
- new gear sets ranging from (3:00 to 4:56) · 31 Spline axles with new tapered bearings,
- seals and axle studs
- 12" Hi-Tech Rear Disc (GM Caliper) Axle brackets fully welded
- 1350 Yoke
- Your choice of 4.5" or 4.75" Bolt circles
- · Gear lube and Posi lube (when applicable)





MARNING: This product can expose you to chemicals including arsenic, which is known to the State of California to cause cancer. For more information, go to www.P65Warnings.ca.gov



These American made 1937-1939 and 1949-1954 Chevy Car Parabolic Leaf Springs are a modern implementation of traditional parabolic leaf springs. This design is characterized by fewer leafs whose thickness varies from center to ends following a parabolic curve. In this design, inter-leaf friction is unwanted, and therefore there is only contact between the springs at the ends and at the center where the axle is connected. The primary benefit of parabolic springs is better ride quality and not being as "stiff" as conventional "multi-leaf springs". As an added bonus there are less springs which offers 28% weight savings over the 5 leaf kit previously offered.

700-7604-00

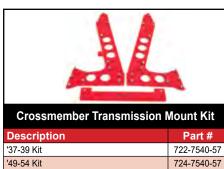
700-7606-00

700-7632-00

700-7632-01

Features & Benefits:

- · Parabolic leaf springs offer greater flexibility which promotes ride quality
- · 28% Weight savings over conventional springs
- They will not rob your classic truck of performance
- 4" Lowered stance and center of gravity
- True bolt-in with no cutting into the bed required
- All TIG welded for the highest quality & strength



Heavy duty 3/8" thick steel bolt in crossmember replaces

stock x-member and mounts brake pedal assembly and

TH350 or 700R-4 transmission and includes hardware and

Trans Mount-GM T350 & 700R4

Urethane Trans Mts. (Multi-Fit)

Urethane Trans Mts. (Chrome)

Trans Mount-GM 400

instructions

scription 37-48 Weld-in Mount

'49-54 Weld-in Mounts Rubber Engine Mount Urethane Engine Mts. Urethane Engine Mts. (Chrome Pair)

ridetech

Coil-Over Retro Fit Kit

WARNING: This product can expose you to chemicals including arsenic, which is known to the State of California to cause cancer. For more information, go to www.P65Warnings.ca.gov



8

Posi Unit (TwinTrac)



'37-39 & '49-54 CHEVY CAR LEAF SPRING REAR

Included Products:

 Parabolic leaf springs Front frame brackets Shackle & Axle brackets · 5 Hole plates

Painted shocks

U-bolts

Dogbones

· Polyurethane bushings · All required hardware



ngine Mounts	
	Part #
s (Plain Pair)	722-7012-00
s (Plain Pair)	724-7012-00
ts (Plain Pair)	700-7112-00
. (Plain Pair)	700-7132-00





Power E	Brake	Pedal	Assem	blies

Description	Part #
'37-48 Pedal & Bracket (Bolt-on)	622-6511-00
'37-48 Complete Assembly (Bolt-on)	622-6510-00
'49-54 Pedal & Bracket (Bolt-on)	624-6511-00
'49-54 Complete Assembly (Bolt-on)	624-6510-00
'37-54 Pedal & Bracket (Weld-on)	622-6511-56
'37-54 Complete Assembly (Weld-on)	622-6510-56
1" Power Master Cylinder	600-6521-00
Round Brake Pad	900-9214-01
Rectangular Brake Pad	900-9217-01



700-7132-01



12" with 4 Piston Calipers





'28-34 Ford Car & Truck Suspension

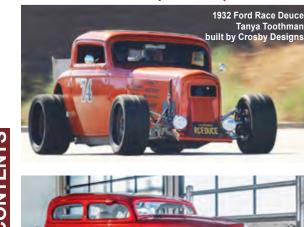


'28-34 Ford Car & Truck Suspension



28-34 FORD CUSTOM IFS

Click on image for FULL BUILD]





This 1928 to 1934 Ford Custom IFS is engineered for easy installation, enhanced drivability and broader range of alignment adjustments. This front end is based on our custom designed spindle with bolt on steering arms and proprietary geometry to maximize comfort and performance. One piece crossmember installs easier than the traditional 3 piece design. The offset stainless eccentric adjuster provides easy camber and caster adjustments. Rear mounted rack and pinion & anti-sway bar leaves the visible side of the crossmember open and clean. Available with dropped or stock height spindles to provide a ride height that matches your specific desires.

Features & Benefits:

- · This front end is engineered for a cleaner look and easy installation
- Lowered stance and center of gravity provide superior handling
- Custom spindle and bolt on steering arm provides superior performance and ride quality
- Offset Eccentric upper control arm mounting provides easy alignment, tuning adjustability and control of camber and caster
- 3/16" Heavy duty crossmember provides superior strength
- · Heavy duty upper and lower screw-in ball joints for additional strength and durability
- Heavy duty upper and lower control arms provide added safety and strength
- Vented rotors and big bore calipers provide excellent braking capabilities
- Energy Suspension bushings provide long lasting performance · Performance anti-roll bar provides superior handling
- characteristics
- Ridetech Coilovers provide 1,000,001 Mile Warranty

Included Products:

- Crossmember · RideTech Single Adjustable Coil-Over
- Shocks GM Big Bore disc brake kit (20% more
- clamping force) · Manual rack and pinion (power available) • 1¹/₈" x .156w U.S. DOM tubular upper &
- lower A-arms
- Spindles (stock height or 2" drop)
- Custom steering arms • 3/4" Performance anti-sway bar
- · Black powder coated springs
- Greasable urethane bushings

* See page 25 for steering columns, u-joints, power steering flow valves and power steering hose kits.





MARNING: This product can expose you to chemicals including arsenic, which is known to the State of California to cause cancer. For more information, go to www.P65Warnings.ca.gov



28-34 FORD DROPPED AXLE FRONT

This 1928 to 1934 Ford Dropped Axle front suspension is engineered for the classic look, enhanced drivability and ease of use. We've implemented the newest design and manufacturing innovations into a classic design. Comfort and safety are key design elements while retaining a traditional look. Fixture welded tube axle using only U.S. made steel. Fixture welded link bars using only Energy Suspension polyurethane bushings with lubrication valleys and come with their patented poly lube. Big Bore calipers on big 10.5" rotors. Fitted king pins and fully packed front bearings using hi-temp grease. SoCal Speed Shop provides the front shocks and shock mounts.

- · Engineered using only U.S. made steel for exact tolerances and reliability

- · Heavy duty shackles provide added safety and strength
- · Vented rotors and big bore calipers provide excellent braking
- · Energy suspension bushings provide long lasting performance

- clamping force)





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ridetech ≐

Triple Adjustable Coil-Overs

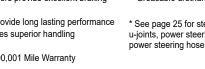
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ridetech ≐

Single Adjustable Shock (F&R)

(Requires

Vilwood Caliners





*Show Package: Adds the following items, polished stainless instead of bare steel. 4-Link bars, batwings, perches, tie rod, drag link, Panhard bar & lower shock mounts. Plus, you will also receive 11" Wilwood rotors with aluminum hubs & 4 piston polished calipers mounted on our polished aluminum caliper brackets.

totalcostinvolved.com · 800-984-0223

'35-41 Ford Car & Truck Suspension



'35-41 Ford Car & Truck Suspension



'35-41 FORD CUSTOM IFS

Click on image for FULL BUILD



This '35-40 Ford Car & '35-41 Truck Custom IFS is engineered for easy installation, enhanced drivability and broader range of alignment adjustments. This front end is based on our Custom designed spindle with bolt on steering arms and proprietary geometry to maximize comfort and performance. The offset stainless eccentric adjuster provides easy camber and caster adjustments. Available with dropped or stock height spindles to provide a ride height that matches your specific desires. 1,000,001 Mile Warranty Ridetech Coil-over shocks come standard and provide further height adjustment and 26 way ride comfort control.

Features & Benefits:

- This front end is engineered for a cleaner look and easy installation Crossmember
- Lowered stance and center of gravity provide superior handling • Custom spindle and bolt on steering arm provides superior performance and ride quality
- Offset Eccentric upper control arm mounting provides easy
- alignment, tuning adjustability and control of camber & caster Ridetech Coilovers provide 1,000,001 Mile Warranty
- 3/16" heavy duty Cross member and boxing plates provide superior clamping force) strenath
- Heavy duty upper and lower screw-in ball joints for additional strength and durability
- Heavy duty upper and lower control arms provide added safety and Boxing plates strenath
- Vented rotors and big bore calipers provide excellent braking capabilities
- Energy Suspension bushings provide long lasting performance

Ridetech Shockwaves

13" with 6 Piston Calipers

- Included Products:
- · RideTech Single Adjustable Coil-Over Shocks · Black powder coated springs
- · Manual rack and pinion (power available)
- 1¹/₈" x .156w U.S. DOM tubular upper & lower A-arms
- · GM Big Bore disc brake kit (20% more
- · 3/4" Performance anti-sway bar Spindles (stock height or 2" drop)
- Custom steering arms

Greasable urethane bushings

* See page 25 for steering columns, u-joints, power steering flow valves and power steering hose kits.



This '35-40 Ford Car & '35-41 Truck Coil-Spring IFS is engineered for easier installation, enhanced drivability and broader range of alignment adjustments. We have re-engineered the original spring towers to now utilize a vertical metal plate for mounting the upper control arms. This new design allows easy camber & caster adjustments via shims instead of alignment slots. This design eliminates the T-bolt design that was prone to slipping and throwing your alignment out when you hit pot holes.

Features & Benefits:

- This front end is engineered for a cleaner look and easy installation
- Lowered stance and center of gravity provide superior handling
- Redesigned upper control arm mounting brackets provides easy alignment, tuning adjustability and control of camber and caster
- · 3/16" heavy duty Cross member and boxing plates provide superior
- strength
- · Heavy duty upper and lower screw-in ball joints for additional strength and durability
- · Heavy duty upper and lower control arms provide added safety and strength
- Vented rotors and big bore calipers provide excellent braking capabilities
- Energy Suspension bushings provide long lasting performance
- · Performance anti-roll bar provides superior handling characteristics

steering hose kits.

Crossmember

lower A-arms

Boxing plates

Vertical Mount for Upper Control Arm on Mustang II IFS







Single Adjustable Shock



WARNING: This product can expose you to chemicals including arsenic, which is known to the State of California to cause cancer. For more information, go to www.P65Warnings.ca.gov

Performance anti-roll bar provides superior handling characteristics ridetech ≐ ridetech ≐ ridetech 🚍 1000001

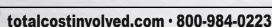
Single Adjustable Shock (F&R)

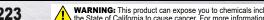




Triple Adjustable Coil-Overs

14" with 6 Piston Calipers



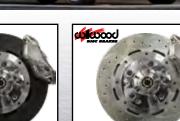


poor

MARNING: This product can expose you to chemicals including arsenic, which is known to the State of California to cause cancer. For more information, go to www.P65Warnings.ca.gov

1936 Ford Club Cabriolet, Tim Frey





12" with 4 Piston Calipers 11" with 4 Piston Calipers

12

BACK TO CONTENTS

TCI's Exclusive Advanced



'35-41 FORD COIL-SPRING IFS

Included Products:

 Coil-Spring Upper Towers • 7/8" Performance anti sway bar Spindles (stock height or 2" drop) · Greasable urethane bushings 1¹/₈" x .156w U.S. DOM tubular upper &

· Manual rack and pinion (power available)

GM Big Bore disc brake kit (20% more clamping force) · Black powder coated springs

· Painted shocks

* See page 25 for steering columns, u-joints, power steering flow valves and power



11" with 4 Piston Calipers



'28-48 Ford Car & '28-41 Truck Components

escriptior

28-31 Pedal & Bracket

32 Complete Assembly 33-34 Pedal & Bracket

35-40 Pedal & Bracket 35-40 Complete Assembly

42-48 Pedal & Bracket

42-48 Complete Assembly

1" Power Master Cyl. (Disc)

Wilwood Master Cylinder (7/8)

33-34 Complete Assembly

28-31 Complete Assembly 32 Pedal & Bracket

Part #

601-6511-00

601-6510-00

602-6511-00 602-6510-00

603-6511-00

603-6510-00 604-6511-00

604-6510-00

606-6511-00

606-6510-00

Part # 600-6521-00

600-6927-00

Part #

601-6504-00

601-6502-00

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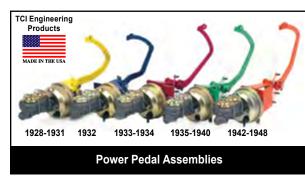
604-6502-00

Part #

600-6523-00



'28-48 Ford Car & '28-41 Truck Components



Power pedal assemblies feature: Arm with Teflon bushing, bracket assembly, new 7" power booster, new dual chamber master cylinder and hardware.



Brake pedal assemblies feature: Arm with Teflon bushing, adjustable push rod, bracket assembly, new dual chamber master cylinder and hardware.



Brake Pedal Pads

Description	Part #
Round Pad	900-9214-01
Rectangular Pad	900-9217-01

We offer chrome brake pedal pads (round with a 1/2" stud and an adhesive rubber



Weld in saddle style adjustable transmission crossmembe for '28-31 Model A's. Specify transmission.



ounts Part # 701-7010-00 701-7012-00 702-7010-00

'32 with Chevy - Weld-In (Pr)	702-7012-00
'33-34 with Ford - Weld-In (Pr)	703-7010-00
'33-34 with Chevy - Weld-In (Pr)	703-7012-00
'35-40 with Ford - Weld-In (Pr)	704-7010-00
'35-40 with Chevy - Weld-In (Pr)	704-7012-00





Universal Brake & Clutch Assembly

Description	Part #
Ianual Brake-Hyd Clutch	600-6571-56
Power Brake-Hyd Clutch	600-6570-56
ower Brake-Hyd Clutch (Less Booster/Mstr.)	600-6573-00

Unit features: Bracket, pedal, new brake and clutch master cylinders. Power unit comes with 7" booster and new brake master cylinder



Rubber & Urethane Engine Mounts

Description	Part #
Ford Engine Mounts (pr)	700-7102-00
Chevy Engine Mounts (pr)	700-7112-00
Urethane Chevy Engine Mts. (pr)	700-7132-00
Urethane Chevy Engine Mts. (pr) Chr	700-7132-01
Trans Mount - Ford	700-7602-00
Trans Mount - GM T350 & 700R4	700-7604-00
Trans Mount - GM 400TH	700-7606-00
Urethane GM Trans Mts. (Multi-Fit)	700-7632-00
Urethane GM Trans Mts. Chrome	700-7632-01



1935-1948 Ford Parabolic Rear Leaf Spring Kits		
Description	Part #	
'35-40 Ford Car Parabolic Rear Leaf Spring Kit	404-4610-0	
'35-41 Ford Truck Parabolic Rear Leaf Spring Kit	404-4610-0	
'42-48 Ford Car Parabolic Rear Leaf Spring Kit	406-4610-0	
Options	Part #	
Anti-Roll Bar Kit (Plain) ('32-34 Ford) (Includes Crossmember)	402-4856-0	

These American made Parabolic Leaf Springs are a modern implementation of traditional leaf springs. This design is characterized by fewer leafs whose thickness varies from center to ends following a parabolic curve. In this design, inter-leaf friction is unwanted, and therefore there is only contact between the springs at the ends and at the center where the axle is connected. The primary benefit of parabolic springs is better ride quality and not being as "stiff" as conventional "multi-leaf springs". As an added bonus there are less springs which offers 28% weight savings over the 5 leaf kit previously offered.

Features & Benefits:

- · Parabolic leaf springs offer greater flexibility which promotes ride quality
- · 28% weight savings over conventional springs
- They will not rob your classic truck of performance
- 4" Lowered stance and center of gravity · True bolt-in with no cutting into the bed required
- · All TIG welded for the highest quality & strength



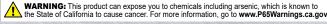
9" Rear Axle Assembly

TCI Engineering fabricates all of its 9" rearend housings in-house using only high-quality 100% Curries 9-Plus rear-end components. The housing comes with American Made 3" O.D. x .188" wall 1026 D.O.M. steel tubing. 100% new Billet steel 9-Plus late model large bearing (Torino style) housing ends.

Features & Benefits:

- · Your choice of gear ratios to match desired cruise RPM
- 100% brand new Nodular Iron case is strong and durable
- 31 Spline High Performance 1541 Forged Alloy axles are rated for 600 HP
- · Tapered roller bearings provide the proper preload for long bearing life
- · 1350 Yoke is commonly used and durable
- · Commonly used late/large bearing housing ends makes finding replacement bearings/seals easy
- 9-Plus Hot Rod housing utilizes thicker gauge steel for increased strength and rigidity
- The 9-Plus Rear Drum Brake Kit comes complete with backing plates assembled





MARNING: This product can expose you to chemicals including arsenic, which is known to the State of California to cause cancer. For more information, go to www.P65Warnings.ca.gov

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Part #	Engine Mo
900-9214-01	Description
900-9217-01	'28-31 with Ford - Weld-In (Pr)
d or rectangular)	
0,	'28-31 with Chevy - Weld-In (Pr)
nsert.	'32 with Ford - Weld-In (Pr)



Click On Product To SHOP NOW!



00



* Show package shown

1928-1940 Ford 4-Link Rear Kits

Description	Part #
'28-31 Parallel Kit	501-5102-00
'32 Parallel Kit	502-5102-00
'32 Triangulated Kit	502-5110-00
'33-34 Parallel Kit	503-5102-00
'33-34 Triangulated Kit	503-5110-00
'35-40 Parallel Kit	504-5102-00
Options	Part #
Polished Stainless Upgrade/Show Package (Parallel)	Change 00 to 02
Polished Stainless Upgrade/Show Package (Triangulated)	Change 00 to 02
Anti-Roll Bar Kit (Plain) ('28-31 Ford)	401-4856-00
Anti-Roll Bar Kit (Plain) ('32-34 Ford)	402-4856-00
Anti-Roll Bar Kit (Chrome) ('32-34 Ford)	402-4856-01
Anti-Roll Bar Kit (Plain) ('35-40 Ford)	404-4856-00
Anti-Roll Bar Kit (Chrome) ('35-40 Ford)	404-4856-01
R-Joint Upgrade	-
RideTech Rear Single Adjustable Shock	400-4930-00
RideTech Rear Triple Adjustable Shock	400-4932-00
RideTech Shockwaves	400-4251-00

TCI's 4-Link Rear Suspension creates a lower stance for superior handling via a lowered center of gravity. Smooth ride, better handling, minimum weight and greater axle control. Adjustable 4-Link bars eliminate wheel hop and provide greater axle control. Complete 9" axle housings are available fully welded and ready to be bolted in.

Features & Benefits:

- · Dramatically improve ride quality
- · Lowered stance and center of gravity
- · Reduced unsprung weight
- · All TIG welded for the highest quality and strength
- · Equal length adjustable 4-link bars eliminate wheel hop
- · Fully adjustable ride height to set stance exactly where you want it

Included Products:

- · 1" Upper & lower link bars with stainless adiusters
- · Greasable urethane bushings
- · Weld-on link bar frame brackets
- All American coil-over shocks
- Coil-over mounts
- Panhard bar · Axle brackets
- Hardware kit



Posi Unit (TwinTrac)

totalcostinvolved.com · 800-984-0223



1928-1931 Ford Model "A" Chassis



1928-1931 Ford Model "A" Chassis

These Model A Chassis feature boxed main rails that are constructed using 2 x 4 x .125w rectangle U.S. supplied steel for increased rigidity while retaining the original profile. We offer chassis for cruising, auto-crossing, drag racing, or fully polished show-stoppers and anything in between. We offer a wide variety of options that allow you to custom tailor a chassis to meet your specific needs.

Shown with optional polished stainless package, stainless brake lines, rear disc brakes, Ridetech rear coil-overs, and rear anti-roll bar.

*Painting & Powder Coating For Display Only

1928-1931 FORD **CUSTOM IFS CHASSIS**

1928-1931 FORD

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Offset Eccentric upper control arm mounting provides easy alignment, tuning adjustability and control of camber and caster

- Ridetech Coilovers provide 1.000.001 Mile Warranty
- Custom spindle and bolt on steering arm provides superior performance and ride quality
- 3/16" heavy duty Cross member provides superior strength
- Heavy duty upper and lower screw-in ball joints for additional strength and durability
- · Heavy duty upper and lower control arms provide added safety and strength
- · Performance front anti-roll bar provides superior handling characteristics

DROPPED AXLE CHASSIS



1931 Ford Tudor 'Yosemite Sam' Rodney Stewart, Rod Builds Rods

ALL TCI PRODUCTS ARE ENGINEERED WITH ★ US STEEL ★

- Fixture welded tube axle is strong and durable · SoCal Speed Shop shocks offer a nice plush ride Heavy duty King Pins for additional strength and
- durability · Heavy duty shackles provide added safety and strength Panhard bar allows you to center the wheels perfectly

ick On Product T

1928-1931 Ford "Model A" **Specifications Complete Chassis** Wheel Base 1031/2" Frame Length 115" Width .43" Wheel Mounting (Front & Rear) 56" Weight As Pictured . 590 lbs.

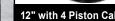
Shown with optional stainless package. stainless brake lines, rear disc brakes, Ridetech rear coil-overs, and Unisteer rack. *Painting & Powder Coating For Display Only

working perfectly! Thanks to the entire team at TCI for being with us from the start Michael & Linda kuley,



11" with 4 Piston Calipers

anual Transmission Upgrade



"My TCI complete chassis to the finish line!" 1929 Ford Tudor Sedan

Air Spring Conversion Kit (F&R

(our choice of rear wheel width up to 1

Pro Street Upgrade









Features & Benefits:

- · This chassis is engineered for a cleaner look with modern handling characteristics
- · Lowered stance and center of gravity
- Dramatically improve ride quality
- · Engineered using only U.S. made steel for exact tolerances and reliability
- Vented rotors and big bore calipers provide excellent braking capabilities
- Energy Suspension bushings provide long lasting performance
- Fully plumbed brake lines with pedal, master & booster shorten fabrication time
- Reduced unsprung weight
- · All TIG welded for the highest quality and strength
- · Equal length adjustable 4-link bars eliminate wheel hop
- · Fully adjustable ride height to set stance exactly where you want it

Included Products:

- Complete frame with crossmembers
- · Complete front suspension
- Complete rear suspension
- 9" Hot Rod Currie housing with your choice of gear set (3.00-4.56)
- 31 Spline axles with new tapered bearings, seals and axle studs
- Small block engine and automatic transmission mounts

ridetech ≐

1000001

riple Adjustable Coil-Overs

- · Pedal assembly with master cylinder and booster
- Wilwood proportioning & check valves
- 12" Hi-Tech Rear Disc (GM Caliper)
- Body & Hood latch brackets
- Core support mount



Single Adjustable Shock (F&R)



Anti-Roll Bar Kit

I-Beam Axle



(Big Block or Modular)

Engine Mounts

SoCal Hot Rod Brakes



Posi Unit (TwinTrac)



Ridetech Shockwaves



Manual Transmission Upgrad



UniSteer Rack & Pinion



Currie F9 Housing



1932 Ford Model "B" Chassis



1932 Ford Model "B" Chassis

The frame features main rails that are constructed using stamped U.S. supplied steel and fully boxed for increased rigidity while retaining the original profile. We offer chassis for cruising, autocrossing, drag racing, or fully polished showstoppers and anything in between. In addition, we offer a wide variety of options that allow you to custom tailor a chassis to meet your specific needs.

Shown with optional polished stainless package, stainless brake line, and rear end anti-roll bar. *Painting & Powder Coating

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1932 FORD **CUSTOM IFS CHASSIS**

1932 FORD

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BACK TO CONTENTS

- · Offset Eccentric upper control arm mounting provides easy alignment, tuning adjustability and control of camber and caster
- Ridetech Coilovers provide 1,000,001 Mile Warranty
- · Custom spindle and bolt on steering arm provides superior performance and ride quality
- 3/16" heavy duty Cross member provides superior strength · Heavy duty upper and lower screw-in ball joints for additional strength and durability
- Heavy duty upper and lower control arms provide added safety and strength
- · Performance front anti-roll bar provides superior handling characteristics

DROPPED AXLE CHASSIS



'Needed a cool and heavy-duty frame and equipment to make my engine look and work good, so I went with a TCI full 1932. Thanks for a Cool Safe Ride. Running a 800+hp Ford Pick Up" - Jim Black

• Fixture welded tube axle is strong and durable SoCal Speed Shop shocks offer a nice plush ride · Heavy duty King Pins for additional strength and durability Heavy duty shackles provide added safety and strength Panhard bar allows you to center the wheels perfectly

Click On Product To SHOP NOW!

1932 Ford "Model B" Specifications Complete Chassis	
Wheel Base106"	
Frame Length148"	
Width	
Wheel Mounting (Front & Rear) 56"	L
Weight As Pictured 897 lbs.	

ALL TCI PRODUCTS ARE ENGINEERED WITH ★ US STEEL ★





2014 NSRA **BEST FORD IN A FORD WINNER** 1932 Ford Pickup, Robert Lamber



Shown with optional premium dropped axle stainless package, stainless brake lines, and rear anti-roll bar.

> Painting & Powder Coatin For Display Or

> > WARNING: This product can expose you to chemicals including arsenic, which is known to the State of California to cause cancer. For more information, go to www.P65Warnings.ca.gov

lanual Transmission Upgrade

Wilebood









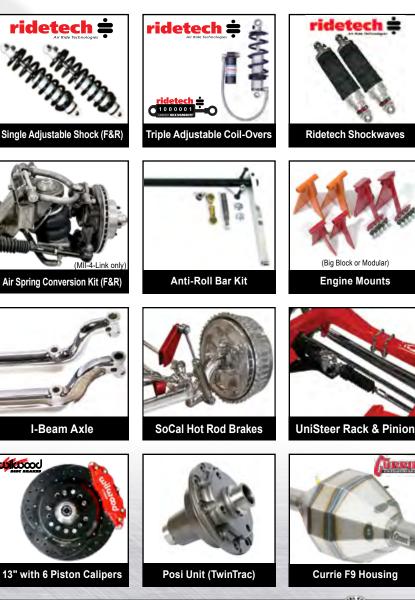


Features & Benefits:

- This chassis is engineered for a cleaner look with modern handling characteristics
- · Lowered stance and center of gravity
- · Dramatically improve ride quality
- · Engineered using only U.S. made steel for exact tolerances and reliability
- Vented rotors and big bore calipers provide excellent braking capabilities
- Energy Suspension bushings provide long lasting performance
- · Fully plumbed brake lines with pedal, master & booster shorten fabrication time
- Reduced unsprung weight
- All TIG welded for the highest quality and strength
- · Equal length adjustable 4-link bars eliminate wheel hop
- · Fully adjustable ride height to set stance exactly where you want it

Included Products:

- · Complete frame with center section
- Complete front suspension
- · Complete rear suspension
- 9" Hot Rod Currie housing with your choice of gear set (3.00-4.56)
- · Small block engine and automatic transmission mounts
- · Pedal assembly with master cylinder and booster
- Wilwood proportioning & check valves
- · 31 Spline axles with new tapered bearings, seals and axle studs
- 12" Hi-Tech Rear Disc (GM Caliper)
- Core support mount







1933-1934 Ford Chassis



1933-1934 Ford Chassis

The frame features main rails that are constructed using stamped U.S.-supplied steel and fully boxed for increased rigidity while retaining the original profile. We offer chassis for cruising, autocrossing, drag racing, or fully polished showstoppers and anything in between. Additionally, we offer a wide variety of options that allow you to custom-tailor a chassis to meet your specific needs.

Shown with optional polished stainless package, stainless brake lines, rear disc brake, and rear anti-roll bar.

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- Offset Eccentric upper control arm mounting provides easy alignment, tuning adjustability and control of camber and caster
- Ridetech Coilovers provide 1,000,001 Mile Warranty
- · Custom spindle and bolt on steering arm provides superior performance and ride quality
- 3/16" heavy duty Cross member provides superior strength · Heavy duty upper and lower screw-in ball joints for additional
- strength and durability · Heavy duty upper and lower control arms provide added safety
- and strength · Performance front anti-roll bar provides superior handling characteristics

1933-1934 FORD **DROPPED AXLE CHASSIS**

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Click On Product To SHOP NOW!

• Fixture welded tube axle is strong and durable · SoCal Speed Shop shocks offer a nice plush ride · Heavy duty King Pins for additional strength and durability Heavy duty shackles provide added safety and strength Panhard bar allows you to center the wheels perfectly

1933-1934 Ford Specifications Complete Chas	ssis
Wheel Base1 Frame Length1 Width Wheel Mounting (Front & Rear) Weight As Pictured871	12" 51" 44" 56"

Shown with optional polished stainless backage, stainless brake lines, RideTech rear coil-overs, and rear anti-roll bar. *Painting & Powder Coating For Display Only

1934 Ford Tudor

Built by Divers Street Rods

Tom Agostino







Wilebood



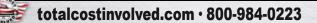






1934 Ford Coupe

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ARE ENGINEERED WITH

Air Spring Conversion Kit (F&R)

WARNING: This product can expose you to chemicals including arsenic, which is known to the State of California to cause cancer. For more information, go to www.P65Warnings.ca.gov





Features & Benefits:

- · This chassis is engineered for a cleaner look with modern handling characteristics
- · Lowered stance and center of gravity
- · Dramatically improve ride quality
- · Engineered using only U.S. made steel for exact tolerances and reliability
- · Vented rotors and big bore calipers provide excellent braking capabilities
- Energy Suspension bushings provide long lasting performance
- · Fully plumbed brake lines with pedal, master & booster shorten fabrication time
- Reduced unsprung weight
- All TIG welded for the highest quality and strength
- · Equal length adjustable 4-link bars eliminate wheel hop
- · Fully adjustable ride height to set stance exactly where you want it

Included Products:

- · Complete frame with center section
- Complete front suspension
- Complete rear suspension
- 9" Hot Rod Currie housing with your choice of gear set (3.00-4.56)
- · Small block engine and automatic transmission mounts
- · Pedal assembly with master cylinder and booster
- Wilwood proportioning & check valves
- 31 Spline axles with new tapered bearings, seals and axle studs
- 12" Hi-Tech Rear Disc (GM Caliper)
- Core support mount



Single Adjustable Shock (F&R)





Ridetech Shockwaves









I-Beam Axle



SoCal Hot Rod Brakes





UniSteer Rack & Pinion

Currie F9 Housing



'35-40 Ford Car & '35-41 Truck Chassis

lick On Produc SHOP NOW!



'35-40 Ford Car & '35-41 Truck Chassis

The frame features main rails that are constructed using stamped U.S.-supplied steel and fully boxed for increased rigidity while retaining the original profile. We offer chassis for cruising, autocrossing, drag racing, or fully polished show-stoppers and anything in between. Additionally, we offer a wide variety of options that allow you to custom-tailor a chassis to meet your specific needs.

Shown with optional stainless brake lines, rear anti-roll bar, rear disc brake, Ridetech rear coilovers, and power rack & pinion

ALL TCI PRODUCTS ARE ENGINEERED WITH ★ US STEEL ★

1935-1941 FORD

CUSTOM IFS CHASSIS

- · Custom spindle and bolt on steering arm provides superior performance and ride quality
- · Offset Eccentric upper control arm mounting provides easy alignment, tuning adjustability and control of camber and caster
- Equal length adjustable 4-link bars eliminate wheel hop
- Ridetech Front Coilovers provide 1,000,001 Mile Warranty





1935-1941 FORD **COIL-SPRING IFS CHASSIS**

 Redesigned upper control arm mounting brackets provides easy alignment, tuning adjustability and control of camber and caster

 Parabolic Leaf springs offer greater flexibility which promotes ride quality

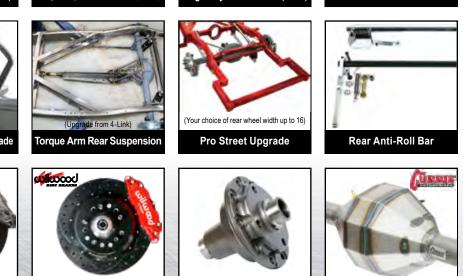
28% weight savings over conventional Leaf springs The Leaf Springs will not rob your classic truck of performance

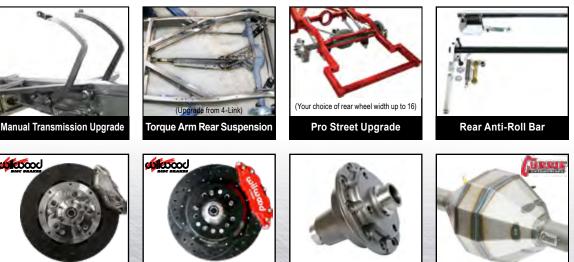
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Air Spring Conversion Kit (F&R



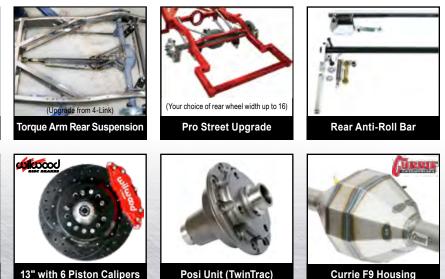




(Big Block or Modular

Engine Mounts

cullebood



12" with 4 Piston Calipers



1939 Ford Pickup

Chuck Rosencranz, built by Blue Sky Performance

MARNING: This product can expose you to chemicals including arsenic, which is known to the State of California to cause cancer. For more information, go to www.P65Warnings.ca.gov

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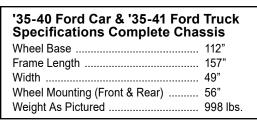


Features & Benefits:

- 6" Tall fully boxed frame rails offer exceptional strength and rigidity
- · Custom built center section offers strength while still allowing exhaust clearance
- This chassis design is engineered for a cleaner look and excellent ride quality
- Lowered stance and center of gravity provide superior handling
- 3/16" Heavy duty Crossmember provides superior strength
- Heavy duty upper and lower screw-in ball joints for additional strength and durability
- Heavy duty upper and lower control arms provide added safety and strength
- · Vented rotors and big bore calipers provide excellent braking capabilities
- · Energy Suspension bushings provide long lasting performance
- Performance front anti-roll bar provides superior handling characteristics
- Fully plumbed brake lines with pedal, master & booster shorten fabrication time
- Engine and Transmission mounts are pre-installed allowing your combo to drop right in
- All TIG welded for the highest quality & strength

Included Products:

- Complete frame with center section
- · Complete front suspension
- Complete rear suspension
- 9" Hot Rod Currie housing with your choice of gear set (3.00-4.56)
- Small block engine and automatic transmission mounts
- · Pedal assembly with master cylinder and booster
- Wilwood proportioning & check valves
- 31 Spline axles with new tapered bearings, seals and axle studs
- 12" Hi-Tech Rear Disc (GM Caliper)
- Core support mount





Single Adjustable Shock (Rear)



Single Adjustable Shock (Front)



Ridetech Shockwaves



13" with 6 Piston Calipers

totalcostinvolved.com · 800-984-0223

Universal Suspension



Accessories



UNIVERSAL COIL SPRING IFS



BACK TO CONTENTS

2" x 3" frame rails that are 34" long. Outside frame width 30" with 57.5" track width front mounted sway bar. UNI-2202-00

Coil Spring Universal front end

Coil Over Universal front end 2" x 4" frame rails that are 38" long. Outside frame width 34" with 60" track width front mounted sway bar. UNI-2200-00

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cultococ

Triple Adjustable Coil-Overs

14" with 6 Piston Calipers

2

UNIVERSAL PRO TOURING IFS

Features & Benefits:

- This front end is engineered for a cleaner look and easy installation
- · Lowered stance and center of gravity provide superior handling
- · Custom spindle and bolt on steering arm provides superior performance and ride quality Offset Eccentric upper control arm mounting provides easy alignment, tuning
- adjustability and control of camber and caster
- 3/16" heavy duty Cross member and boxing plates provide superior strength · Heavy duty upper and lower screw-in ball joints for additional strength and durability
- Heavy duty upper and lower control arms provide added safety and strength
- Vented rotors and big bore calipers provide excellent braking capabilities
- Energy Suspension bushings provide long lasting performance
- · Performance anti-roll bar provides superior handling characteristics
- RideTech Coilovers provide 1,000,001 Mile Warranty (Included for PT IFS only)

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VICEOOC

Single Adjustable Shock

12" with 4 Piston Calipers

Note: Ford engines require a rear sump pan.

letech 🛎

Ridetech Shockwaves

13" with 6 Piston Calipers

Included Products:

Crossmember

- Black powder coated springs · Manual rack and pinion (power available)
- 1" x .156w US DOM tubular upper A-arms
- 1 1/8" x .156w U.S. DOM tubular lower A-arms
- 1" Performance anti-sway bar
- GM Big Bore disc brake kit (20% more clamping force) Spindles (stock height or 2" drop)
- Custom steering arms
- Boxing plates
- Greasable urethane bushings
- RideTech Single Adjustable Coil-Over Shocks (Included for PT IFS only)



Power Rack & Pinion



Air Spring Conversion Kit (F&R)

MARNING: This product can expose you to chemicals including arsenic, which is known to the State of California to cause cancer. For more information, go to www.P65Warnings.ca.gov



Vilwood Master

Description	Part #
Nilwood Master 7/8" (Black)	600-6527-0
Nilwood Master 7/8" (Polished)	600-6527-0
Wilwood Master 1" (Black)	600-6526-0
Nilwood Master 1" (Polished)	600-6526-0
Wilwood Master 15/16"	-



Description

Power Steering Flow Va -00 -03 -00 -03 Power Steering Flow Va

When a Chevrolet pump made for a steering box is used with a Ford rack and pinion the GPM is typically to high and may cause the steering to feel twitchy and easy to dart. This valve reduces the fluid flow from three gallons-per-minute to two gallons-per-minute, which cures the problem. Installs in the back side of the pump.



New Style Custom IFS Bushing Set Bushing Set 003

New Style Custom in S Dusining Set	Busining Set 005
Billet Shock Bushing Set	Bushing Set 004
All American Shock Bushing Set	Bushing Set 005
Mustang II & Muscle Car Control Arm	Bushing Set 006



Borgeson U-Joint Kits

Description	Part #
Manual Rack U-Joint Kit (Steel) (For 3/4" Spline Column Only)	310-3110-00
Manual Rack U-Joint Kit (Pol) (For 3/4" Spline Column Only)	310-3110-03
Power Rack U-Joint Kit (Steel) (For 3/4" Spline Column Only)	310-3120-0
Power Rack U-Joint Kit (Pol) (For 3/4" Spline Column Only)	310-3120-0

"Thank you for making quality parts and helping us step up our cars to the next level. Total Cost Involved is the only suspension we use. Great customer service, again thank you guys!' - Andy's Hotrods & Restoration, '57 Studebaker Transtar Pickup



WARNING: This product can expose you to chemicals including arsenic, which is known to the State of California to cause cancer. For more information, go to www.P65Warnings.ca.gov



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lwood



Power Steering Flow Valves

	Part #
alves (Early)	312-3001-00
alves (Late)	312-3002-00



Description	Part #
Power Steering Hose Kit (Early)	312-3010-00
Power Steering Hose Kit (Late)	312-3020-00
Power Steering Hose Kit (Plastic)	312-3020-12

Complete braided stainless steel hoses and fitting kit for GM Type 2 Saginaw style power steering pump to remote reservoir. Kit includes: 12 fittings, 9 feet of hose and flow valve. Early pump or late model kit comes with all fittings required to hook up remote reservoir.





"It was an easy swap out and the suspension rides like a real Cadillac should. Tight steering, smooth ride, and just the right ride stance. Well done on creating such a simple front-frame clip (Pro Touring IFS)." - Dallas Moore, '54 Cadillac Coupe



CONTENTS

Tech Info. - Coil-Spring IFS



Features and Benefits



Coil-Spring IFS (Independent Front Suspension)



Total Cost Involved's exclusive advanced vertical mount for upper control arm on Mustang II IFS



Coil-Spring Upper Control Arms

American made upper control arms are specifically engineered, machined and TIG welded for strength and durability. Threaded ball joint cups have been welded at a 7 degree angle for more wheel travel and to eliminate bind. Screw in replaceable all joints make for easy disassembly. Removable cross shafts with urethane bushings for ease of powder coating or painting.



• 1" O/D - .156" wall tubular DOM material (Strongest in the market) Greasable urethane bushing not rubber bushings · Screw-in ball joints USA made by Moog

Coil-Spring Tower & Crossmember Design

Introducing the TCI Engineering coil-spring front suspension. This American made product is engineered for easier installation, enhanced drivability, and broader range of alignment adjustments. We have re-engineered the original spring towers to now utilize a vertical plate for mounting the upper control arms. This new design allows easy camber & caster adjustments via shims instead of alignment slots. This design eliminates the T-bolt design that was prone to slipping and throwing your alignment out when you hit pot holes.

 Crossmembe · Boxing plates Front anti-sway bar Coil-spring upper towers 1" US DOM tubular upper A-arms • 11/8" U.S. DOM tubular lower A-arms • Spindles (Stock height or 2" drop) Black powder coated springs Manual rack and pinior · GM disc brake kit · Painted shocks · Many other options available

Lower Control Arm Mounting Design -Standard

Introducing TCI Engineering's Lower Control Arm Mounting Design. This American made product is engineered specifically for strength and durability. This 11/4" metal pin travels throughout the center of the crossmember to increase the quality, safety and rigidity of the crossmember.

• Engineered with American made steel • Welded in-house for quality control Machined 1¼" metal pin with gusset

 3/16" ASTM A-1011 steel plate · 3/16" Formed rack & pinion steering brackets

Heavy Duty Coil-Spring Lower Control Arms

American made heavy duty lower control arms are specifically engineered, machined and TIG welded for strength and durability. Threaded ball joint cups have been welded at an 11 degree angle for more wheel travel and to eliminate bind. This product has high quality spring pockets stamped with the correct spring index and corrected spring angle. This product comes standard on all front ends.



 1¹/₈" O/D - .156" wall tubular DOM material (Strongest in the market) Urethane bushing not rubber bushings · Screw-in ball joints USA made by Moog



Smooth Rotor

- · 2" Dropped or stock height spindles
- Ford Applications Tech Info.
- 11" Rotor size
- 5 on 41/2 bolt pattern
- 1/2" Stud x 20 threads per inch · Front rotor replacement part info:
- (1975-1980 Ford Granada)

Coil-Spring & Shocks Standard

American made coil-springs and shocks are specifically engineered for comfort and ride quality. This high quality product comes standard and helps with vehicle control and handling

Painted shocks come with bushings and hardware Shocks are designed for more wheel travel than OEM shocks.

 Our Coil-Springs come powder coated black. engineered from ASTM A-401 steel and we offer two spring rates to match vehicle weight.



2" Dropped Spindle Standard

American made 2" dropped spindle is specifically engineered for strength and durability.

- · Gives vehicle a lower stance and center of gravity • USA Made 90,000 psi. (Yield strength)
- · CNC machined in-house
- 4140 Chromoly spindle shaft
- · Ball joint holes tapered for heavy duty ball joints
- Factory bolt pattern used



Anti-Roll Bar - Standard

This American made bolt-on suspension product will decrease body roll and improve handling giving you a more controlled driving experience.

- · Energy suspension urethane bushing kit with anti-squeak
- · Bolt-on mounting brackets are CNC mach. aluminum pillow blocks
- Anti-sway bar is made from 1018 material
- Anti-sway bar by: Sway-A-Way
- Anti-sway bar diameter is 7/8" or 1" (Depending on application)
- Adjustable heims



All spindles come completely preassembled with hi-temp bearing grease for hassle free installation.

• Big bore calipers for maximum braking (With 20% better clamping force)

Chevrolet (GM) Applications Tech Info.

- 11" Rotor size
- 5 on 4¾ bolt pattern
- 7/16" Stud diameter x 20 thread per inch.





Urethane Bushing Standard

The Energy suspension urethane bushing kit is a quality American made product for your upper and lower control arm suspension. This product comes standard on all front ends.

- Durable and long lasting polyurethane bushing Anti-squeak and preventive corrosive formula 5 prelube
- TCI Engineering CNC machined 1018 DOM metal sleeve bushing insert.



Heavy Duty Ball Joints Standard

This heavy duty American made screw in ball joint is a quality performance product for your upper and lower control arm suspension. This product comes standard on all front ends.

- Part# K772(MOOG): Heavy duty upper ball joint pull out strength = 28,000 lbs
- Part# K719(MOOG): Heavier duty lower ball joint pull out Strength = 32,000 lbs.



Power Rack and Pinion Steering

Rack and pinion steering gear, tie rod ends and hardware. All units are pressure tested then bagged afterwards. (Optional on all...)

- · Bolt-on rack and pinion
- Screw on tie rod ends

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Tech Info. - Custom IFS



Features and Benefits



Custom IFS (Independent Front Suspension)



Custom IFS features: Crossmember, custom spindle & steering arm, 1" upper and 1¹/₄" lower tubular A-arms, new manual rack & pinion steering gear, 11" disc brakes, anti-sway bar, GM big bore calipers, adjustable RideTech coil-overs with black powder coated springs.



Standard Front End Spindle Assembly

All spindles come completely preassembled with hi-temp bearing grease, stock height spindles or 2" dropped spindles, new big bore calipers and new 11" rotors standard for hassle free installation.

 Come standard with assembled 2" dropped spindle · Big bore calipers for maximum braking (With 20% better clamping force)

Chevrolet (GM) Applications Tech Info.

- 11" Rotor size
- 5 on 4³/₄ bolt pattern • 7/16" Stud diameter x 20 thread per inch.
- Ford Applications Tech Info. 11" Rotor size 5 on 4½ bolt pattern • 1/2" Stud diameter x 20 thread per inch.



Upper Control Arms

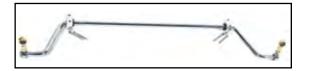
This American made Upper Control Arm has been TIG welded out of 1" x .156w US DOM tubing for strength and durability. The primary adjustable eccentric device is engineered to easily adjust the camber and caster of your vehicle. This product comes included on all custom IFS.



Heavy Duty Lower Control Arms

This American made Lower Control Arm has been TIG welded out of 11/8" x .156w US DOM tubing for strength and durability. This product comes included on all custom IFS.

· Durable polyurethane bushing with anti-squeak formula 5 prelube TCI Engineering machined 1018 DOM metal sleeve bushing insert Screw-in ball joints USA made by OEM supplier · Cross shaft material is machined from a solid piece of 5/8" 1045 metal



Custom IFS Anti-Roll Bar

A Standard Front End Bolt-On Product

This American made bolt-on suspension product will decrease body roll, and improve handling giving you a more controlled driving experience This product comes standard on all front ends.

· Energy Suspension urethane bushing kit with anti-squeak formula 5 prelube Bolt-on mounting brackets are CNC machined aluminum pillow blocks · Anti-sway bar is made from 1018 metal · Anti-sway bar by: Sway-A-Way Adjustable heims



Dropped Spindle -Standard

American made Dropped Spindle is engineered for strength and durability. These high quality dropped spindles will lower the front of the vehicle while improving the handling.

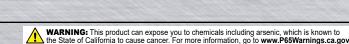
- · Gives vehicle a lower stance and center of gravity USA made 90,000 psi. (Yield strength) CNC machined in-house • 4140 Chromoly spindle shaft
- Ball joint holes tapered for heavy duty ball joints

Urethane Bushings

- The Energy Suspension Urethane Bushing Kit is a quality American made product for your upper and lower control arm suspension. This product comes standard on all front ends and is also sold as a complete kit.
- · Durable and long lasting polyurethane bushings · Anti-squeak and preventive corrosive formula 5 prelube
- TCI Engineering CNC machined 1018 DOM metal sleeve bushing insert















Stock Height Spindle -Optional

American made Stock Height Spindle is engineered for strength and durability. These high quality stock spindles will raise the front of the vehicle for more of a stock look.

* Note:

Rear steer applications for the stock height spindle is engineered to only fit the Wilwood brakes. All front steer applications will accept big bore GM calipers and Wilwood brakes.

Heavy Duty Ball Joints Standard

This heavy duty American made screw in ball joint is a quality performance product for your upper and lower control arm suspension. This product comes standard on all front ends.

- · Part# K772(MOOG): Heavy duty upper ball joint pull out strength = 28,000 lbs
- Part# K719(MOOG): Heavier duty lower ball joint pull out Strength = 32,000 lbs.

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Rack and Pinion Steering

Comes with rack and pinion steering gear, tie rod ends and hardware.

Bolt-on rack and pinion Screw-in tie rod ends

Manual Applications: · Front Steer come with '75-78 Mustang

Power Applications: · Front Steer come with '89-92 Mustang LX

Custom IFS RideTech Coil-Overs

The HQ Coil-Over Series Shocks adds rebound adjustment for the driver who wants to tune ride quality and handling quality to their specific taste. A wide rebound adjustment range allows you to cruise down the road in plush comfort or firm up your suspension for those Saturday morning canyon roads!

- · Easy access adjuster knob allows a wide range of 26 click of rebound adjustment · Large rubber external bumpstop prevent harsh bottoming out.
- 5/8" Hardened shaft is precision ground and straightened to a
- tolerance of .001" for increased durability and performance
- · Billet end cap with integrated debris wiper to prevent seal damage
- Oversized rod guide improves piston rod stability
- Integral internal bumpstop eliminates extension crashing
- Hard coat external anodizing ensures years of lasting beauty and performance
- Specially contoured composite gas separator cup optimizes dead
- length and ensures proper nitrogen/oil separation

Tech Info. - Brake



Tech Info. - Shock

Standard and Optional Brakes For Coil-Spring and Custom IFS Applications



Standard Rotors With Big Bore Calipers

Standard Rotor Brake Kit comes with bearing and seals, precision machined caliper brackets and GM big bore calipers that offers more than 20% increased stopping power.

Drilled & Slotted Rotors

With Big Bore Calipers

Drilled and Slotted Rotors Brake Kit comes

with bearing and seals, precision machined

caliper brackets with GM big bore calipers

that offer more than 20% increased stopping

· Camaros, Comets, Cougars, Falcons, Fairlanes,

With Big Bore Calipers

This 6 Lug Brake Kit comes with aluminum

hubs, steel caliper mounting brackets and

Firebirds, Mustangs, Novas and Ranchero

6 Lug Rotors

Applications:

nower

Applications:

- · Plain coil-spring IFS Plain custom IFS
- · Plain dropped axle front end



Drilled & Slotted Rotors With with cool 4 Piston Calipers

Drilled and Slotted Rotor Brake Kit comes with bearing and seals, precision machined caliper brackets with Wilwood forged dynalite 4 piston calipers.

Available red, black or polished

Applications:

- · Camaros, Comets, Cougars, Falcons, Fairlanes,
- Firebirds Mustands Novas and Ranchero • 1928 - 1940 Ford IFS's
- 1953 1964 Ford Trucks IFS's
- 1928 1936 Chevy IFS's • 1947 - 1959 Chevy Trucks IFS's

wiwood 12" Drilled & **Slotted Rotors** With 4 Piston Calipers

Wilwood Drilled and Slotted Rotor Brake Kit comes complete with aluminum hubs, bearings and seals, precision machined caliper brackets with Wilwood forged dynalite 4 piston calipers. Available red, black or polished

Applications:

- · Camaros, Comets, Cougars, Falcons, Fairlanes,
- Firebirds, Mustangs, Novas and Ranchero • 1928 - 1948 Ford IFS's
- 1948 1956 Ford Trucks IFS's
- 1928 1936 Chevy IFS's
- · 1947 1959 Chevy Trucks IFS's

WWWWWWWWWWWWWWWWWWWWW **Drilled & Slotted Rotors** With 6 Piston Calipers

Wilwood Drilled and Slotted Rotor Brake Kit comes complete with aluminum hubs bearings and seals, precision machined caliper brackets with Wilwood forged narrow superlite radial mount 6 piston calipers. Available red, black or polished.

Applications:

- · Camaros, Comets, Cougars, Falcons, Fairlanes,
- Firebirds, Mustangs, Novas and Ranchero • 1928 - 1940 Ford IFS's
- 1953 1964 Ford Trucks IFS's
- 1928 1936 Chevy IFS's
- · 1947 1959 Chevy Trucks IFS's



Coil-Over Springs

Springs are manufactured using chrome silicon, high tensile material. The spring can compress until the coils touch without damaging the spring or causing it to take a set, which would ultimately change the ride height. Once installed these springs allow your shocks to travel their full range of motion without the coils binding. These springs give you greater vehicle control. Springs are manufactured to +/- 3% of the given spring rate. Springs are available from 160 - 600 .lb rates.

ridetech ≐

Custom IFS Coil-Over -Single Adjustable

This shock has a single adjustment to change the rebound [extension] properties. By adjusting the rebound setting, you can optimize the ride quality as well as dial in more performance oriented handling characteristics. It took RideTech 15 years to find coil-over shock technology that they felt was worthy of their customers. After engaging the expertise of FOX Racing Shocks, they were able to bring the already crowded coilover market a product that was both unique and better. Impact forged monotube shocks.

· Easy access adjuster knob allows a wide range of 26 click of rebound adjustment.

- Large rubber external bumpstop top prevent harsh bottoming out.
- 5/8" Hardened shaft is precision ground and straightened to a to a tolerance of .001" for increased durability and performance.
- · Billet end cap with integrated debris wiper to prevent seal damage
- · Oversized rod guide improves piston rod stability.
- Internal bumpstop eliminates extension crashing.
- · Hard coat external anodizing ensures years of lasting beauty and performance. · Contoured composite gas separator cup optimizes dead length and ensures proper nitrogen/oil separation.



Rear Shockwaves

RideTech Master Series Shockwaves, with a small diameter and longer stroke will have less load capacity and a softer spring rate that is appropriate for the rear of most vehicles with a solid rear axle. The spring rate and load capacity is influenced by the profile of the lower piston. A straight piston will offer a very linear, or constant spring rate throughout its travel. A tapered lower piston will provide a more progressive spring rate much like the double convoluted Shockwave.



5x5" & 5x5½" Lug Rotor With Big Bore Calipers

hubs, steel caliper mounting brackets and big bore caliper that offers more than 20% increased stopping power. (GM style only)

- Available for:
- Plain coil-spring Plain custom IFS
- Plain dropped axle

This 5 Lug Brake Kit comes with aluminum



big bore caliper that offers more than 20% increased stopping power. (GM style only) Available for:

 Plain coil-spring Plain custom IES





Coil-Over Shock & Shockwaves



All American Coil-Over Shocks

- All-American Coil-Overs Features:
- · Hardened chrome 9/16" shaft
- Hardened steered-iron guide
- · Multi-lip seat
- Polished aluminum top retainer
- 1³/₈" Bore with extra large fluid reserve (2.020 diameter) for lower operating temperatures
- One-piece urethane bushing with 5/8" or 1/2" I.D. steel sleeves
- Three stage compression and rebound valving (internally self adjusting)
- Threaded lower retainer with brass tipped lock screw for height adjustment
- Shock centers are 141/2" open, 101/2" closed.



Custom IFS Coil-Over -**Triple Adjustable**

Then newest addition to the RideTech line is the Triple Adjustable Shock. Has a high speed adjustment allows tuning for impact harshness... potholes, speed bumps, off road use and other harsh road irregularities. This product is going beyond the typical double adjustable units that have been so popular with the industry. It is currently the ultimate choice for autocrossing, track days, drag racing and other extreme environments use.

- Monotube gas pressure design offers superior fade free performance
- · Impact forged aluminum body provides superior strength and reliable service
- Larger 1.834" piston provides outstanding ride quality
- · Double sealed rod guide with dust cover eliminates oil leakage
- 5/8" Chrome shock shaft
- Anodized finish protects against corrosion
- · Rebound PLUS dual stage high speed and low speed compression adjustability
- CNC machined billet hardware
- · Unique pinch clamp height adjuster uses finer thread for easy adjustment





Front Shockwaves

RideTech Master Series double convoluted Shockwave, with its shorter stroke and larger diameter will have a larger load capacity and spring rate that is appropriate for the front of most vehicles. It is also a progressive spring, which means that the further it is compressed, the firmer the spring rate. This progressive spring rate helps the vehicle ride very comfortably at a normal ride height and still offer great handling when the spring is compressed farther, such as a tight turn.

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Tech Info. - Rear Suspension



Tech Info. - Rear End



TCI Engineering's **American Made Parabolic Leaf Springs** are a modern implementation of conventional leaf springs. This design is characterized by fewer leafs whose thickness varies from center to ends following a parabolic curve. In this design, inter-leaf friction is unwanted, and therefore there is only contact between the springs at the ends and at the center where the axle is connected. The primary benefit of parabolic springs is better ride quality and not as "stiff" as

Parabolic Leaf Springs

conventional "multi-leaf springs". These new springs are now standard on all of our rear leaf spring kits and chassis applications for 1935 - 1940 Ford car and all Ford and Chevy trucks.

Features and Benefits

- The main advantage of parabolic springs is their greater flexibility.
- This design promotes a 28% weight savings over conventional springs
- They will not rob your classic car or truck of performance



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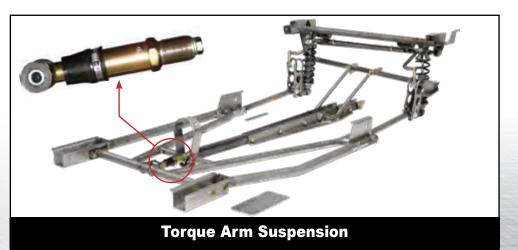
Parallel 4-Link

TCI's 4-Link Rear Suspension creates a lowered stance for superior handling via a lowered center of gravity. Smooth ride, better handling, minimal weight and greater axle control are just the beginning. Adjustable 4-Link bars allow fine tuning of wheelbase/pinion angle, eliminate wheel hop and provide greater axle control. Height adjustable coil-overs plus adjustable mounting positions provide many options for desired ride height. Energy Suspension provides the polyurethane bushings with lubrication valleys and come with their patented poly lube. Complete Currie 9" axle housings are available fully welded and ready to be bolted in.

The Torque Arm Rear Suspension was designed to eliminate the suspension bind that occurs when cornering using the stock conventional leaf spring suspension. The Torgue Arm features a telescoping slider at the front of the arm that rotates as the car goes through suspension travel and articulation. This allows the cars handling to be controlled by the coil-over shocks and the rear sway bar with no suspension binding variables. The kit allows for a lowered stance, greater rear axle control and dramatically improved handling. This kit is a bolt-on application except for welding the axle brackets, Panhard bracket, Torque Arm tabs and optional sway bar brackets onto the axle housing. We provide detailed instructions to properly attach the axle brackets and a fixture for the Torque Arm tabs.



TCI's Triangulated 4-Link Rear Suspension provides excellent handling through superior geometry and lowered center of gravity. Better handling, minimum weight and greater axle control are just the beginning. Retaining street manners and comfort while providing excellent track ability all in one package. Our engineers went outside the box and were able to make a bolt-in cradle that mounts up against the floorboard. This will keep pinion movement to a minimum and axle control to a maximum. There are 3 height adjustments on the axle brackets in one inch increments. You also have the ability to fine tune the ride height further with the adjustable coil-overs.



TCI Uses Quality Products and Components From Currie Enterprises

Curries 9" Plus Rear End Housing and Components



TCI fabricates all of its 9" Ford rear end housings in-house using only high quality 100% Curries 9-Plus rear end components. These rear ends are made to fit a large variety of TCI applications from Street Rods, Classic Trucks and Muscle Cars. The popular 9-Plus Hot Rod housing is similar to the early style 9" Ford stock housing which is now nearly extinct. The 9-Plus model is made of premium grade formed steel with a slightly thicker gauge steel

Sportsman Nodular Iron Case By Currie®



The 9-Plus Nodular Iron "Sportsman 3rd Member Case". This Manufactured unit comes from Currie Enterprises and is now a part of TCI Engineering's complete rear end package as a standard product. This bolt-in 9" Sportsman 3rd Member gear is a 100% new. Cast out of 65,000 p.s.i. nodular iron and features 3.062" carrier bearing bores, with a 1350 long yoke, a 31 spline carrier.

Currie F-9 Sheet Metal Rear End Housing

Offered with the pinion centered (locates the driveshaft in the center of the vehicle) or housing centered (places the fabricated section in the center of the vehicle) and feature 3-inch diameter axle tubes with Torino style large bearing housing ends.





for increased strength and rigidity. The housing comes with American Made 3" O.D. x .188" wall 1026 D.O.M. steel tubing, 100% new Billet steel 9-Plus late model large bearing (Torino style) housing ends. This style of housing is very popular due to the fact that the shape of the housing provides increased clearance for mounting brackets and routing exhaust pipes.



31 Spline Axles



These axles are 31 spline high performance 1541 forged induction heattreated alloy. Axle comes with 2.80 center register hub and 2.5" brake space for later model big Ford housing ends. Each set of axles come with USA Made large tapered roller bearings with seals, heavy duty retainer plates, 1/2" or 7/16" wheel studs pressed on. Axles come with both 5 x 4¹/₂" Ford and 5 x 4³/₄" Chevy wheel bolt patterns.





Quality Welding

TCI Rear Ends are fabricated by highly trained experienced welders using precision tooling. All joints are MIG welded and all brackets are installed using precision TIG welding.





Our Commitment To Service









Total Cost Involved encourages the use of our vast dealer network spanning the United States, Canada, Mexico, Japan, Europe and Australia. TCI's knowledgeable sales staff can guide you in choosing the best equipment for your project and direct you to the dealer best suited to fill your needs.

ORDERING

When ordering direct, either by phone, fax or mail, give part number and description. Specify exact application, car model, year, engine, trans., etc., include name, address, zip code and daytime phone number.

DEPOSITS

Deposit of 50% required on all frames, chassis and 100% on special orders.

SHIPPING

Orders are shipped by the most economical means unless otherwise specified.

REFUSED SHIPMENTS

Customer will be charged a 15% handling charge plus freight on all refused shipments.

BACK ORDERS

Any item not in stock when order is shipped will be placed on back order. All back orders will be noted on customers' packing slips and invoices. Back ordered parts will be shipped immediately when available.

DAMAGE

Claims for damaged or lost merchandise must be made direct to the freight carrier (UPS, FedEx or trucking company).

RETURNS

No returns of exchanges without an RMA# and the original invoice #. Packages must be inspected upon receipt. Any shortages or claims must be reported within 10 days. Returned packages are subject to inspection before replacement/refund is given (subject to a 15% restocking fee) Canceled orders will be subject to a 6% credit card processing fee. Special order parts will **Not be Returnable**. Modified or painted parts are **Not Returnable**.

PAYMENT

Payment by MasterCard, Visa, Discover or Certified Check will ensure the fastest processing. No C.O.D.s.

SALES TAX

California residents must pay appropriate sales tax. This includes out of state customers that will-call parts at our plant. California companies buying parts for resale must have signed resale card on file in our office. (Faxed copies cannot be accepted)

PRICING

Total Cost Involved holds the line of price for as long as possible. Sometimes prices must be adjusted and we reserve the right to change prices without notice.

LIABILITY

Total Cost Involved Engineering will not be liable for personal or property damage caused by the use or misuse of any product we manufacture or sell. We will repair or replace any product found to be defective, subject to our inspection.

MANUFACTURERS RIGHTS

Total Cost Involved reserves the right to update, change or modify any product or policy as the company deems necessary without notice. If you have any questions pertaining to our products or policies please call or fax.

WARNING: This product can expose you to chemicals including arsenic, which is known to the State of California to cause cancer. For more information, go to www.P65Warnings.ca.gov

HOURS OF OPERATION

Monday - Friday 8am - 5pm Saturdays, Sundays and Major Holidays Closed

CONTACT INFO.

Phone: 1-800-984-0223 1416 Brooks St., Ontario, CA 91762 Email: sales@totalcostinvolved.com Website: www.totalcostinvolved.com

Engineered for Performance, Driven by Excellence for 50 Years.





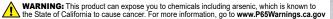












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