

Built From Experience
Proven By
Performance



2024 Catalog



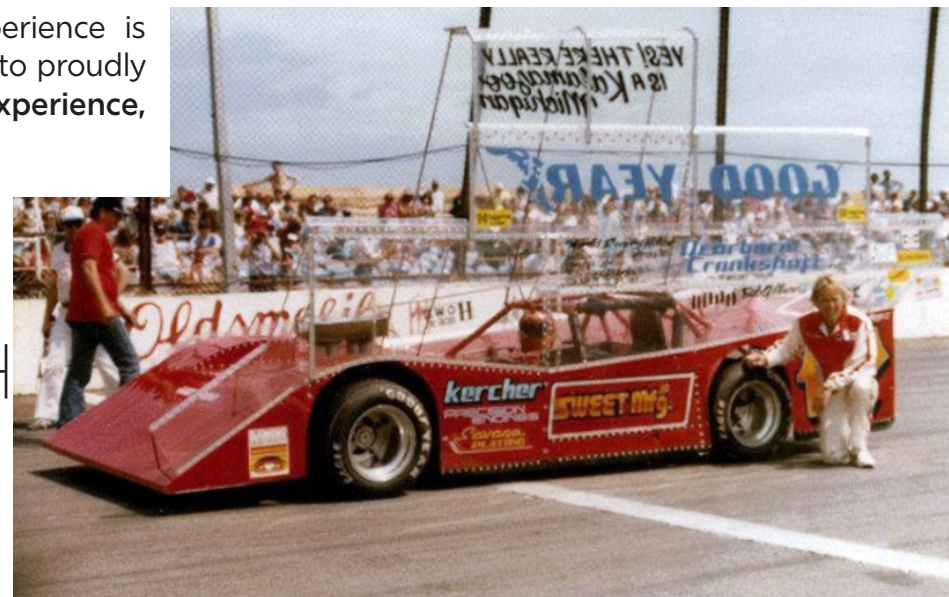
Randy Sweet



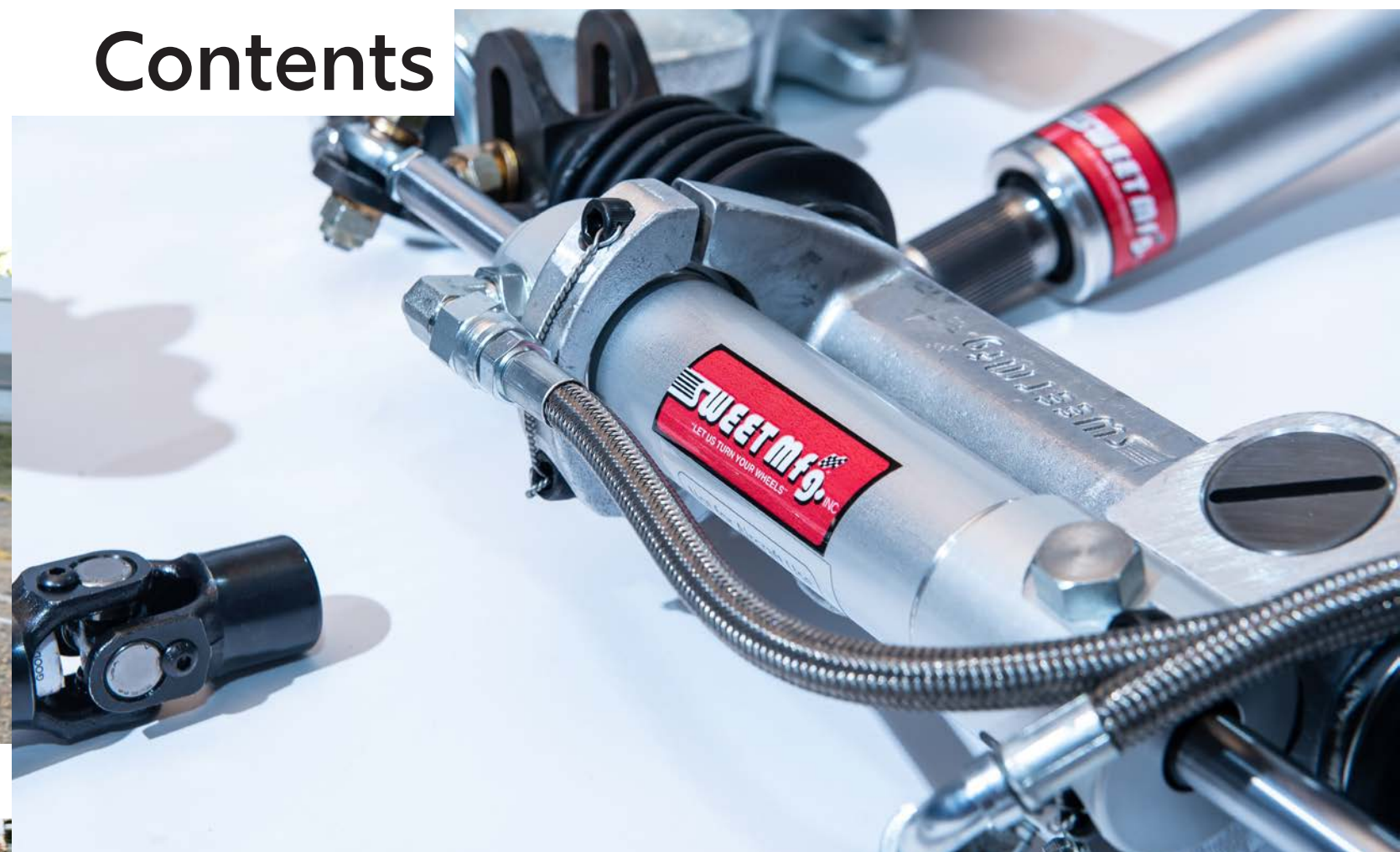
Sweet Manufacturing was built on the knowledge and performance of Randy's over 50 years of racing experience. Randy drove and won in multiple divisions and car ranging from Super Modified to Sprint Cars and many more.

One of Randy's greatest accomplishments came in 1984 when he build a 2200 lbs stock car that featured many of his early products and innovations. The "Rocket" car broke track records all over the country and continues to hold several. The "Rocket" car can now be seen on display in Speedy Bill's Museum of speed in Lincoln Nebraska.

Randy's winning background and experience is what allows us at Sweet Manufacturing to proudly say that our products are **"Built From Experience, And Proven By Performance!"**



Contents



Continuing the tradition established by Randy Sweet in 1978, Sweet Manufacturing remains employee owned. Randy's strive for excellence is what drove him to seek out the best, brightest, most experienced professionals in the industry. In his absence he left the future of Sweet Manufacturing to the very people who helped him make it the leader in the industry, the employees.

Today we are dedicated to providing the same level of quality and service you have come to expect, while looking forward to the next generation of innovations that will earn us the opportunity to. **"Let Us Turn Your Wheels!"**

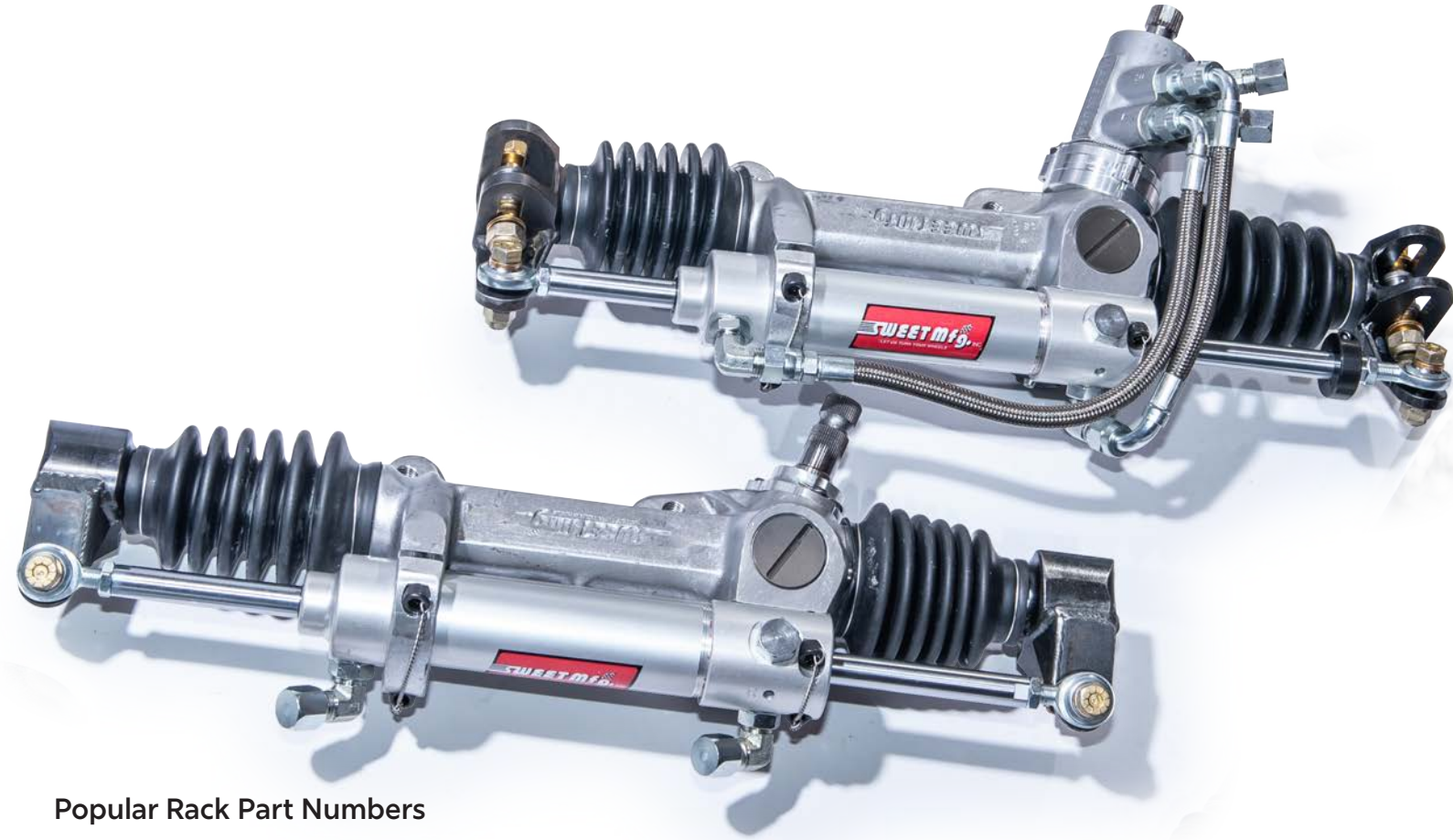


Rack And Pinion	1-2
Sprint Car	3-4
Servos	5
Reservoirs	6
Power Steering Pumps	7-8
Pump Brackets and Pulleys	9-10
Power Steering Pump Kits	11-13
Universal Joints	14-17
Steering Columns	18-20
Quick Releases	21
Steering Wheels	22
Steering Boxes	23
Spindles	24
Miscellaneous	25-26
Rebuild Components	27-28
Web Store	29-30
Merchandise	31



Rack and Pinion Steering

Sweet Manufacturing Rack and Pinions are available in 11 different ratios, with multiple rack ends and center distances. Power racks are available with an Integrated Servo or a Non-Integrated remote Servo. Sweet Manufacturing has been leading the industry providing the smoothest most reliable Rack and Pinion steering systems for over 30 years. Randy Sweet was the first to provide racers with a rack that can endure the loads at race tracks such as Winchester and Eldora. Every Rack and Pinion is produced and assembled in Kalamazoo, MI by the professionals at Sweet Manufacturing.



005- 93 3 4 5 -235

Rack Prefix

Rack Speed

- 30- 1 7/8"
- 40- 2"
- 50- 2 1/4"
- 60- 2 1/2"
- 80- 3"
- 90- 3 1/4"
- 91- 3 1/2"
- 92- 3 3/4"
- 93- 4"
- 94- 4 1/4"
- 95- 4 1/2"

Center Distance

- 1- 16 1/2"
- 2- 17 1/4"
- 3- 18 1/4"
- 5- Special Order
- 6- 19 1/4"
- 7- 19 3/4"
- 8- 18/19 1/4"

Rack Ends

- 2- On Center (5/8" Stud)
- 3- Rod End Eye
- 4- On Center Rod End Eye
- 5- Standard Slotted Eye
- 6- Upside Down Slotted Eye
- 7- Dual RH Hole (Rocket)
- 8- RH On Center LH Slotted
- 9- Dual RH Slotted (Rocket)
- 11- RH Slot Down LH Slot Up
- 12- RH Slot Up LH Slot Down

Servo

- 185- Stock
- 200- XX Light
- 210- X Light
- 220- Light
- 235- Med. Light
- 250- Medium
- 265-Med./Heavy
- 275- Heavy
- 300- X Heavy

Power Assist

- 1- Manual
- 4- Dual Power
- 5- XL Dual Power



Mini Rack

Part no.	Description
O33-27114	2 3/4" Mini Rack and Pinion
O33-47114	4 3/4" Mini Rack and Pinion
O33-52114	5 1/4" Mini Rack and Pinion

Popular Rack Part Numbers

Part no.	Description
005-93345-235	4" 18 1/4" Slotted Eyes w/.235 Servo (Rocket XR1)
005-936411-235	4" 19 1/4" LH up RH down w/.235 Servo (Longhorn)
005-60355-185	2 1/2" 18 1/4" BB Slotted Eyes w/.185 Servo (Troyer)
005-80345	3" 18 1/4" Slotted Eyes (Asphalt Late Model)
302-32104	XL Hose Kit Upgrade



Sprint Car Power Steering Box



306-40110-235

Box type

- 306- Half Box
- 307- Full Box
- 310- Half Box (Black)
- 318- Full Box (Black)

Gear Type

- 1- Dirt
- 2- Asphalt

Valve

- 220- Light
- 235- Med. Light
- 250- Medium
- 265- Heavy
- 300- X Heavy

Input Height

- 10- Short
- 30- Medium
- 50- Long

Output Shaft

- 30- 14"
- 40- 16"
- 50- 18"

Sweet Manufacturing started with a clean slate and designed the lightest and most durable Sprint Gear on the market. Made from a compact 4340 chrome moly housing and billet aluminum side bell, valve housing, and a pitman shaft made from the finest of materials. All of this makes this gear weigh in at only 24 lbs.



Sprint Car Steering Components



Part no.	Description
306-10210	8 3/4" Wing Cylinder
306-10200	10" Wing Cylinder
306-10215	12" Wing Cylinder
306-10100	Gen 1 Wing Valve
306-10250	Gen 2 Wing Valve
306-10300	Sprint Car Pump Kit
306-30071	Standard Sprint Car Tank
306-30072	Black Sprint Car Tank

Sweet Manufacturing rethought how to effectively actuate a Sprint Car Wing. Our Gen I Wing Valve is powered directly off the power steering pump making it possible to adjust the wing at full speed. The Gen II Valve took it a step further and integrated a check valve to minimize the possibility of wing drift. The Sweet Mfg. Wing Cylinders are also specifically designed to make these adjustments at speed. And the heart of the system the Sweet Sprint Car Power Steering Pump is the only Sprint Car Pump to feature a flow control valve that provides a smooth consistent feel regardless of RPM or Temperature.



Sweet Mfg. Power Steering Servos have proven their performance over the last 30 years. The Standard Servo was the first available, the Lightweight Servo was developed 15 years later and features a new generation valve that reduces heat, and promotes an unmatched feel for the race track. The Lightweight Servo is also half the weight (2.5 Lb). The Integrated Servo contains the same valve as the Lightweight, and is sold as a replacement part for a Sweet Mfg. Integrated Rack and Pinion. The Power Steering Servo does not generate any torque or power itself. It is to be run in combination with a Power Steering Pump, and Assist Cylinder.

Power Steering Servos



Integrated

Part no.	Description
302-32185	.185 Integrated Servo
302-32200	.200 Integrated Servo
302-32210	.210 Integrated Servo
302-32220	.220 Integrated Servo
302-32235	.235 Integrated Servo
302-32250	.250 Integrated Servo
302-32265	.265 Integrated Servo
302-32275	.275 Integrated Servo
302-32300	.300 Integrated Servo

Lightweight

Part no.	Description
303-33185	.185 Lightweight Servo
303-33200	.200 Lightweight Servo
303-33210	.210 Lightweight Servo
303-33220	.220 Lightweight Servo
303-33235	.235 Lightweight Servo
303-33250	.250 Lightweight Servo
303-33265	.265 Lightweight Servo
303-33275	.275 Lightweight Servo
303-33300	.300 Lightweight Servo

Standard

Part no.	Description
301-30185	.185 Standard Servo
301-30200	.200 Standard Servo
301-30210	.210 Standard Servo
301-30220	.220 Standard Servo
301-30235	.235 Standard Servo
301-30250	.250 Standard Servo
301-30265	.265 Standard Servo
301-30275	.275 Standard Servo
301-30300	.300 Standard Servo

Power Steering Reservoirs

The Power Steering Reservoir is a very important often overlooked part of a power steering system. Always be sure to mount your tank as close to the pump as possible ,also be sure to always fill your reservoir with enough fluid to keep the return fitting submerged in fluid. The pressurized reservoirs use a pocket of pressurized air above the fluid to help prevent starvation and cavitation.

Part no. Description

Reservoirs

301-30050	5" Tank and Bracket
301-30051	5" Tank Only
301-30056	5" Pressurized Tank w/tabs
301-30071	7" Tank and Bracket
301-30072	7" Tank Only
301-30077	5" Pressurized Tank Only
301-30078	7" Pressurized Tank and Bracket
301-300	7" Pressurized Tank Only

Tank Brackets

301-30052	Steel Clamp on Bracket
301-30053	Steel Bolt on Bracket
301-30057	Lightweight Bolt On Bracket
301-30088	1 3/4" Alum. Clamp on Bracket
301-30089	1 1/2" Alum. Clamp on Bracket

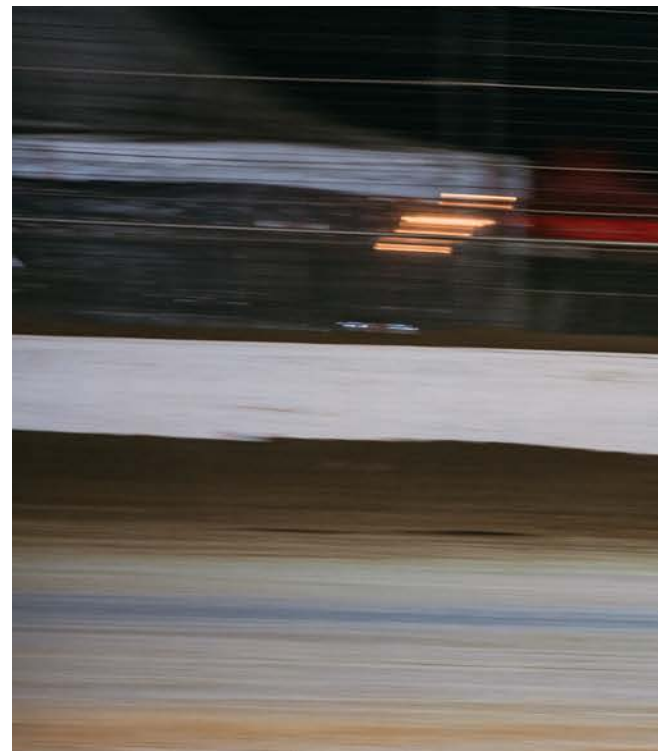


Power Steering Pumps

305-60 3 3 1

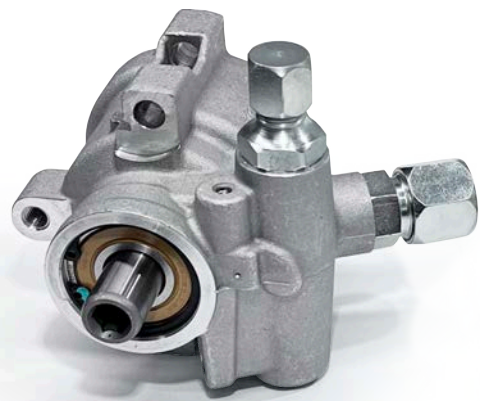
- Pump Prefix**
- Pump Type**
 60- Aluminum TC/Type II
 70- Steel TC/Type II
 80- Sweet Aluminum
 85- Sweet Alum. w/Fuel Drive
- Pressure**
 1-850
 2-1000
 3-1300
 4-1450
 8-1700

- Drive Type**
 0- No Pulley
 1- 6" Sweet Pulley (7/16" groove)
 2- 6" Sweet Pulley (1/2" groove)
 3- 7 1/2" Sweet Pulley (7/16" groove)
 4- 3/8" Hex Drive
 5- 6 Groove Serpentine Pulley
 7- 3 Groove Serpentine Pulley
 8- 6-Bolt Hub for CV Pulley
 9- HTD Pulley w/Guides (33t)
- GPM**
 1-2 GPM
 3-3 GPM
 5-4 GPM



The power steering pumps that we offer at Sweet Manufacturing are variable pressure pumps with a control valve, and each pump is tested and adjusted for quality. PSI ratings are maximum available pressure. Each pump is hand assembled by the experienced hands of the employees at Sweet Manufacturing. In most racing applications, a 1300psi, 3 GPM pump works well. When wheel loads are extremely high and in desert off-road conditions, a higher pressure pump is necessary. Aluminum pumps are 1 pound lighter than steel.

Sweet Manufacturing now also offers a combination fuel and power steering pump that is capable of over 1700 psi and flows a consistent 3 GPM. The Sweet Manufacturing fuel pump features a 300 gear that is capable of being run with both alcohol and gasoline.



Aluminum TC/Type II Pumps

Part no.	Part no.	Description
1300 PSI	1450 PSI	
305-60330	305-60350	Alum. Pump No Pulley
305-60331	305-60351	Alum. Pump w/6" Pulley 7/16" groove
305-60332	305-60352	Alum. Pump w/ 6" Pulley 1/2" groove
305-60333	305-60353	Alum. Pump w/ 7-1/2" Pulley 7/16" groove
305-60334	305-60354	Alum. Pump 3/8" Hex Drive
305-60335	305-60365	Alum. Pump w/6 groove Serpentine Pulley
305-60339	305-60359	Alum. Pump w/ 33 tooth HTD Pulley

Steel TC/Type II Pumps

Part no.	Part no.	Description
1300 PSI	1450 PSI	
305-70330	305-70350	Steel Pump No Pulley
305-70331	305-70351	Steel Pump w/6" Pulley 7/16" groove
305-70332	305-70352	Steel Pump w/ 6" Pulley 1/2" groove
305-70333	305-70353	Steel Pump w/ 7-1/2" Pulley 7/16" groove
305-70334	305-70354	Steel Pump 3/8" Hex Drive
305-70335	305-70355	Steel Pump w/6 groove Serpentine Pulley
305-70339	305-70359	Steel Pump w/ 33 tooth HTD Pulley

Sweet Aluminum Pumps w/FP Adapter

Part no.	Description
1700 PSI	
305-85832	Sweet Aluminum Pump w/ 3/8" Fuel Drive No Pulley
305-85830	Sweet Aluminum Pump w/ 1/4" Fuel Drive No Pulley
305-85834	Sweet Aluminum Pump 3/8 Hex Drive w/ 3/8 Fuel Drive
305-85835	Sweet Aluminum Pump 3/8 Hex Drive w/ 1/4 Fuel Drive
305-85839	Sweet Aluminum Pump 3/8" Fuel Drive 33t HTD Pulley
305-8583#	Sweet Aluminum Pump 1/4" Fuel Drive 33t HTD Pulley

Sweet Aluminum Pumps

Part no.	Description
1700 PSI	
305-80330	Sweet Aluminum Pump No Pulley
305-80331	Sweet Aluminum Pump w/6" Pulley 7/16" groove
305-80332	Sweet Aluminum Pump w/6" Pulley 1/2" groove
305-80333	Sweet Aluminum Pump w/7-1/2" Pulley 7/16" groove
305-80334	Sweet Aluminum Pump 3/8" Hex Drive
305-80335	Sweet Aluminum Pump w/6 groove Serpentine Pulley
305-80339	Sweet Aluminum Pump w/ 33 tooth HTD Pulley

Power Steering Pump Brackets



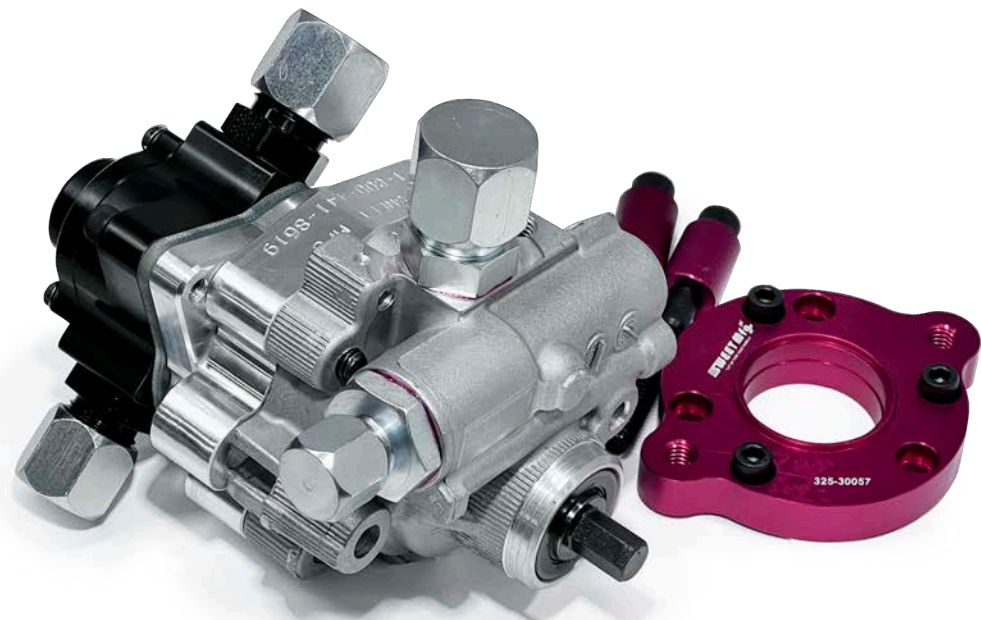
Part no.	Description
Oil Pump Adapters	
325-30040	Oil Pump to Sweet Aluminum Hex Drive
325-30055	Peterson R4 to Sweet Aluminum Hex Drive
325-30057	Oil Pump to GM Type Hex Drive PS Pump
325-30058	Stock Car Products Oil Pump Adapter
325-30059	Phenolic Spacer
328-30060	3/8"-24 threaded Female Hex
Power Steering Pump Brackets	
325-30030	Small Block Chevy Head Mount
325-30031	Big Block Chevy Head Mount
325-30034	Small Block Chevy Block Mount
325-30049	Bert/Brinn Bellhousing Mount
325-30044	Tandem Pump Bellhousing Mount (Mech. FP)
301-61006	Tandem Pump Bellhousing Mount (Sweet FP)
301-30610	Tandem Pump Head Mount
301-61004	Phenolic Spacer (Sweet FP)
325-30035	Replacement T-nut
325-30036	Bracket To Head Bolt Kit (Std. Head Mount)
325-30037	Pump to Bracket Bolt Kit (Head or Block)
325-30039	Bracket To Block Bolt Kit
Rear End Mount Pump Brackets	
501-30022-1	Left Hand Quick Change Mount Kit
501-30022	Right Hand Quick Change Mount Kit
501-30023	Right Hand Cast Bracket
501-30028	Left Hand Cast Bracket
501-30026	Quick Change Mount Bolt Kit



Power Steering Pump Pulleys



Part no.	Description
301-30020	6" Aluminum Sweet Pulley (7/16" groove)
301-30021	6" Aluminum Sweet Pulley (1/2" groove)
301-30022	7-1/2" Aluminum Sweet Pulley (7/16" groove)
301-30025	5" Serpentine Pulley 3 groove
301-30027	6-Groove Serpentine Pulley (5-1/2")
301-30043	33 tooth HTD Pulley with Guides
301-30047	38 tooth HTD Pulley with Guides
301-30049	31 tooth HTD Pulley with Guides



Hex Drive Combination Pump Assembly



Hex Drive Combination Assembly

This assembly includes our Sweet Mfg. Power Steering Pump with a 3/8" hex drive and 1/4" fuel pump drive. A Sweet Mfg. Fuel Pump, and all necessary brackets and spacers to mount to a dry sump oil pump. Such as Barnes, Stock Car Products, and Peterson*.

*Peterson R4 pumps require a 325-30055 adapter plate which is also included in the 305-85882 Assembly.

Part no.	Description
305-85880	Hex Drive Combo Assembly
305-85882	Hex Drive Combo Assembly (Peterson R4)
325-30040	Oil Pump Adapter (Barnes, SCP, Older Peterson)
325-30055	Oil Pump Adapter (Peterson R4)
305-85835	Sweet Pump with 3/8" Hex PS, Drive 1/4" FP Drive
301-61002	Adapter Plate for Sweet Power Steering to Fuel Pump
301-61004	Heat Resistant Phenolic Spacer
308-10200	Sweet Mfg. Fuel Pump

Head Mount Combination Pump Assembly

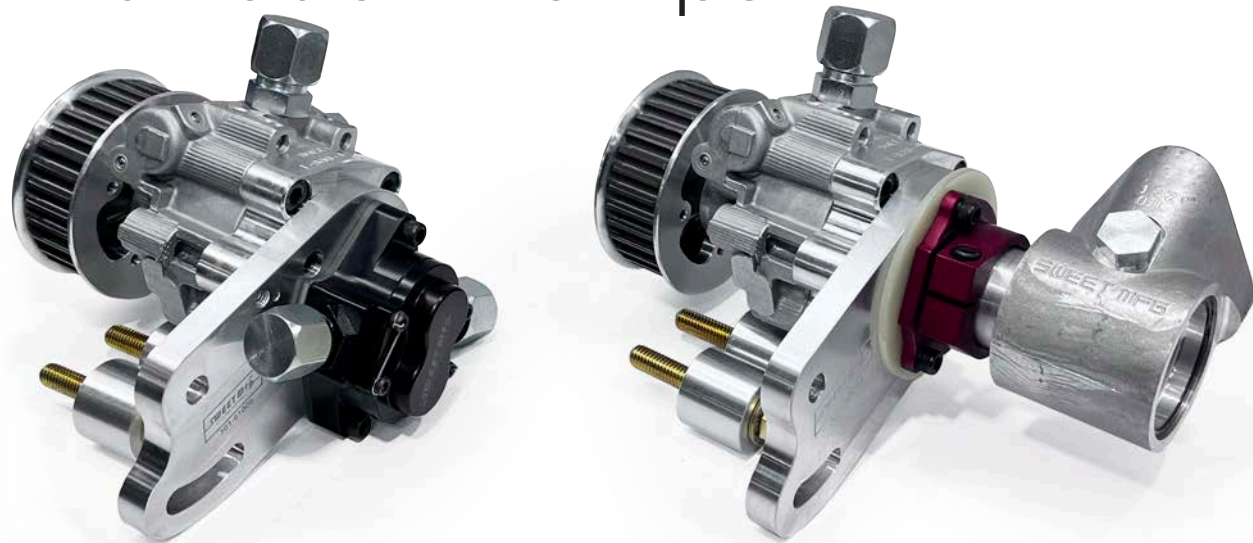
Head Mount Combination Assembly

A head mount version of our popular Combination Pump Assembly. This pump utilizes the same Sweet / Toyota power steering pump and Sweet Manufacturing Fuel pump but with a partially integrated bracket and belt adjustment to help save space on the front of the engine. The assembly comes complete with Power Steering Pump, Fuel Pump, T/P Head Mount Bracket, 800mm HTD belt and an Aeromotive Dual Adjustable Fuel Regulator.

Part no.	Description
305-85890	Head Mount Combo Assembly
305-85900	Combination Pump For Head Mount
305-85910	Head Mount Combo Pump (PS only)
301-30610	Head Mount Combo Pump Bracket
301-30048	800mm HTD Belt



Bellhousing Mount Combination Pumps



Bell-housing Mount Combination Assembly
 This pump assembly includes a Sweet Mfg. Power Steering Pump with a 33 tooth HTD pulley, Bell housing bracket and Sweet Mfg. Fuel Pump. This assembly is designed to work with all major bell-housing manufacturers.

Tandem Pump W/ Mechanical fuel drive
 This power steering pump/mechanical fuel pump Drive combination is perfect for any car using a Bert/Brinn style bell-housing and flywheel. This all new concept allows for any small block Chevy mechanical Fuel pump to be driven by a cam lobe located on the back of the power steering pump. The power steering pump comes complete with a 33 tooth HTD pulley with guides. The pump mount has a built in fuel pump adapter which drives our mechanical pump drive comes complete with bolts and spacers. The pump features a swivel clamp for adjustment.

Part no.	Description
305-85841	Bell-housing Combo Assembly w/33T
305-85842	Bell-housing Combo Assembly w/31T
305-85840	Sweet Power Steering Pump w/33 tooth HTD Pulley
301-61006	Bell-housing Mount For Combo Pump
308-10200	Sweet Mfg. Fuel Pump
301-30033	576mm x 20mm HTD Belt (Bert)
301-30044	600mm x 20mm HTD Belt (Brinn)

Part no.	Description
305-85839	Sweet Aluminum Pump w/HTD Pulley 33 Tooth
308-10100	SBC Mechanical Fuel Pump Drive w/Aluminum Clamp
325-30044	Bell-housing Pump Mount w/Fuel Pump Adapter
325-30059	Phenolic Spacer



Steering Universal Joints

Designed specifically for use in race cars, Sweet Universal Joints are strong and precise with "no slop". Compact, lightweight and durable, our universal joint is capable of 32 degrees of working angle for a single joint, and 80 degrees for a double. These universal joints have been NASCAR approved.

Trunnions and bearing caps are not available as replacement items.

401- 5 06 15

U-Joint Prefix

2 digit code for second yoke

Finish

2 digit code for first yoke. Lowest number code first.

- 3-Single stainless joint
- 5 - Single joint with black oxide
- 6- Single joint with chrome finish
- 8- Double joint with black oxide
- 9-Double joint with chrome finish



Universal Joint Selection

To select a part number start by using the Universal Joint prefix of "401-"next choose either "5" for single black oxide, "3" for single stainless, "6" for single chrome finish, "8" for double black oxide and "9" for double chrome. Follow with the combination of yokes you would like, starting with the lowest number first.

Example:
401-50615 = Standard 3/4" Smooth x 3/4"-30

#	Description	Finish
6	3/4" Smooth Bore	—
7	5/8"-36 Spline, Mini Rack / Stiletto	—
8	5/8" Smooth Bore	—
9	Heidts Aftermarket Ford R&P	—
10	3/4"-48 Spline, Sweet Spline	—
11	13/16"-36 Spline, Chevy Power	—
12	3/4"-36 Spline, Pinto Power, Quickener	—
13	9/16"-26 Spline Pinto Manual	—
14	5/8"-36 Spline, Vega Box	—
15	3/4"-30 Spline, NCP, Sweet Int. Rack	—
17	Corvette Bottom Set Screw	—
17	Corvette Top Set Screw	—
18	1"-48 Spline, Stock GM Column	—
19	3/4" Double "D"	—
20	1" Double "D" OEM Column	—
21	3/4"-20 Spline, Sweet Column	—
23	1" Double "D" IDIDIT Column	—
24	Jeep Flat	—
27	OEM Ford Rack and Pinion 1994 & Up	—
28	19mm -17 Spline	—
29	Allied Motion EPAS	—
30	5/8"-36 Spline, Flaming River Vega Box	—
32	7/8" Smooth Bore with Key-way	—
33	19mm -24 R-Max	—
34	19/32"-29 Spline, Yamaha Rhino	—
35	19/32" Smooth Bore	—
36	1/2" Smooth Bore	—
37	11/16"-36 Spline	—
73	23mm-20 Spline	—
74	Jeep Flat Pincher	—
75	16.5mm-36 Spline	—

Finish/Material Chrome — Stainless Steel —



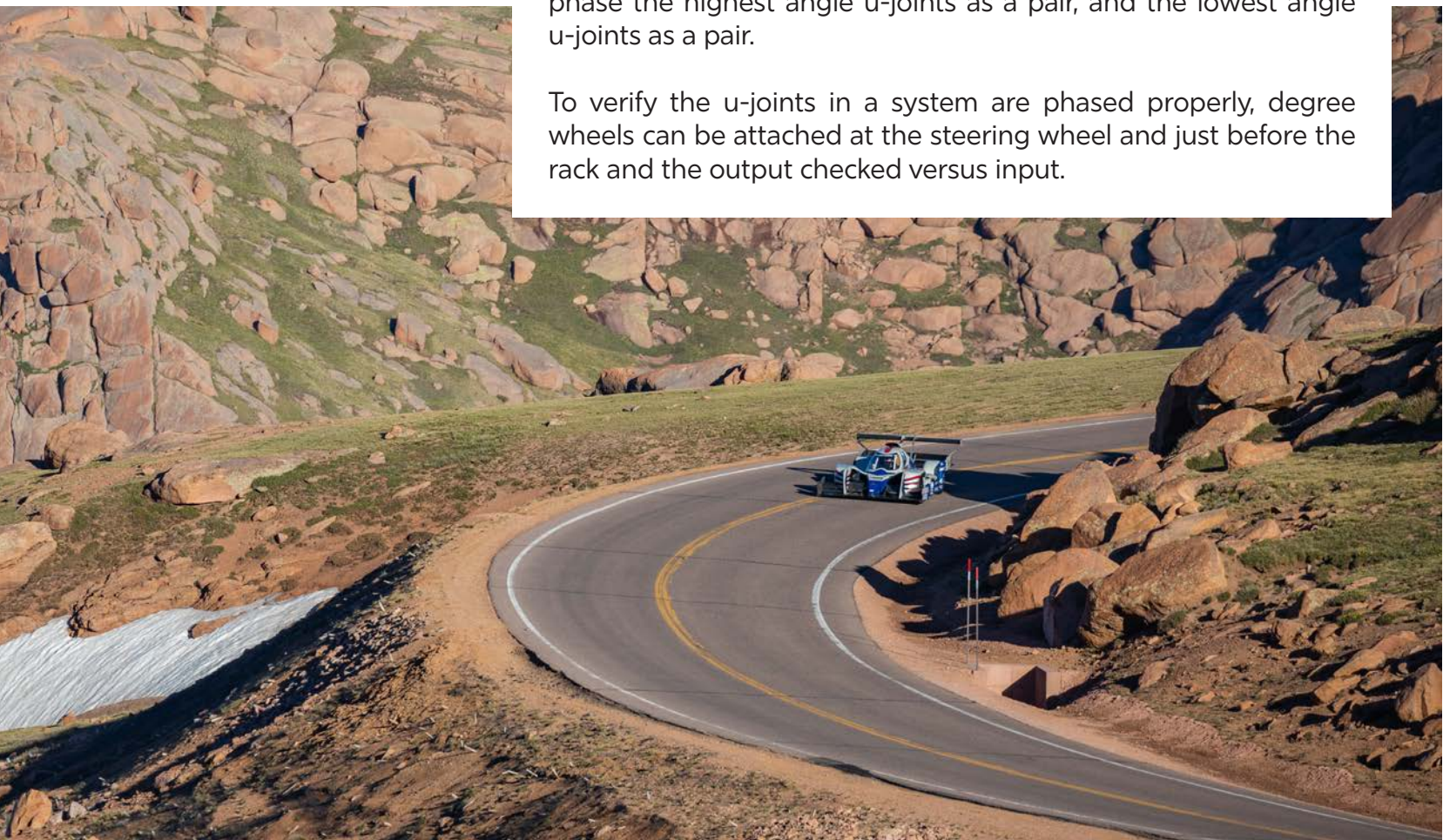
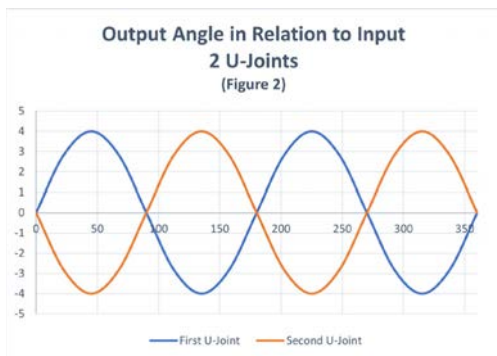
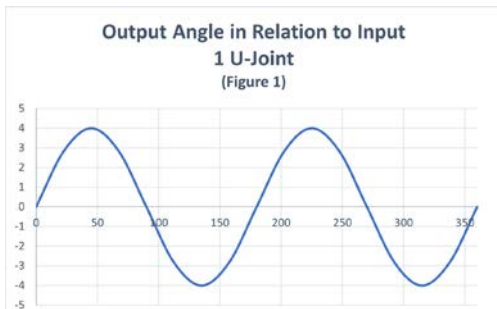
U-Joint Phasing

When a u-joint is operated through an angle, the output of the u-joint accelerates and decelerates when compared to the input. The u-joint cycles through this pattern every 180°, or twice per revolution (as seen in Figure 1) By phasing two joints so that their cycles are 90° apart, the accelerations of the first u-joint will be canceled by the accelerations of the second, resulting in a linear output (seen in Figure 2).

As a general rule, pairs of u-joints should be phased so that the inner pair of yokes are in line with each other. This, however, only works when all the shafts lie on a single plane, as with a driveshaft. In a steering column, each u-joint often lies in a separate plane from any other u-joint, and this must be accounted for. In these cases the inner yokes of a pair of u-joints must be set to lie on their own plane, rather than directly in line with each other.

In 3 u-joint systems it is possible to phase both of the two lowest angle u-joints to the higher angle joint in order to cancel its accelerations. Alternatively a double u-joint may be used in place of the highest angle joint, with the two lower angle joints used to cancel each others accelerations. In 4 u-joint systems it is best to phase the highest angle u-joints as a pair, and the lowest angle u-joints as a pair.

To verify the u-joints in a system are phased properly, degree wheels can be attached at the steering wheel and just before the rack and the output checked versus input.



Adjustable Steering Columns

Adjustable steering columns are not only a safety feature, but an excellent way to eliminate flex and binds in your steering shaft. Length is measured from the end of the housing to the beginning of the adjustable shaft. There is 8" of adjustably. Quick releases are available in steel for NASCAR competitors, aluminum, and lightweight for weight conscious short track racers.

Part no.	Description
405-10000	14" Adjustable Steering Column
405-10001	18" Adjustable Steering Column
405-10003	21" Adjustable Steering Column
405-10006	23" Adjustable Steering Column
405-10009	25" Adjustable Steering Column



Dash Bar Mounting Brackets

Part no.	Description
405-10210	4 3/8" Dash Bar Brackets
405-10215	6 3/8" Dash Bar Brackets
405-10220	9 3/8" Dash Bar Brackets
405-10205	1 Hole Column Clamp
405-10207	3 Hole Column Clamp
405-10230	1 3/4" to 1 1/2" Reducer

Sweet Manufacturing Adjustable Steering Columns require mounting brackets and clamp. Brackets are available in 3 lengths, measured from the center of the dash bar to the mounting hole.

All Brackets are for 1 3/4" tubing, a reducer is required for 1 1/2" dash bars.



Lightweight Adjustable Steering Columns

Lightweight Adjustable Steering Columns are a more simplified version Standard Adjustable Column. These columns utilize a 1-1/8" Rod End style support hanger to be used with a steering column bracket. Or a Mono-ball style hanger to be used with our Dash Bar Brackets. These columns are welded and assembled in Kalamazoo Michigan using the finest materials available. All Lightweight Adjustable Steering Columns come complete with our Aluminum Quick Release.

Part no.	Description
405-10310	Standard 18" LW Column Assembly
405-10312	Barry Wright LW Column Assembly
405-10315	GRT LW Column Assembly
405-10316	Swartz / Shaw LW Column Assembly
405-10317	Rocket LW Column Assembly
405-10318	Jet LW Column Assembly
405-10325	Rayburn LW Column Assembly
405-10326	Rayburn w/Mono-ball LW Column Assembly
405-10331	Hamke LW Column Assembly
405-10335	Lethal LW Column Assembly

Steering Column Components



Part no.	Description
405-10405	3/4" Lightweight Firewall Support Bearing
405-50003	3/4" Firewall Flange Bearing (steel)
405-10425	1 1/8" Lightweight Firewall Support Bearing
405-10369	1 1/8" LW Column Support w/Jam Nuts
405-10368	Ext. 1 1/8" LW Column Support w/J-nuts
405-10243	1 1/8" LW Mono-ball Column Support
901-50009	Oversized Rod End w/Jam Nuts
301-30100	Sweet Spline 3/4"-48 Spline
301-30110	Chevy Power 13/16"-36 Spline
301-30120	Chevy Manual / Quickener 3/4"-36 Spline
301-30125	3/4" Double D
301-30130	Pinto Manual 9/16"-26 Spline
301-30140	Vega 5/8"-36 Spline
301-30141	Stiletto / Mini Sprint Rack 5/8"-36 Spline
301-30150	Sweet Int. Rack / NCP 3/4"-30 Spline
301-30160	Sweet Adjustable Steering 3/4"-20 Spline
405-10100	Lower Adjustable (slipper) Steering Shaft
405-50367	36" 3/4" D.O.M. w/ 3/4"-48 Spline 1 end
405-50369	36" 3/4" D.O.M. w/ 3/4"-48 Spline 2 ends
006-52175	24" Double D Steering Shaft (3/4")
006-52177	36" Double D Steering Shaft (3/4")





Sweet Manufacturing Quick Release Hubs are the industry standard in steering wheel quick coupling. All Quick Releases feature push to lock engagement and a 360° flange for safe and easy disengagement. Quick Release Hubs are offered in 3 and 6 bolt patterns, with an anodized aluminum, or plated steel flange. Hubs are available in Standard or Lightweight for more weight conscious divers. Sweet Manufacturing Quick Releases feature an extra long spline for maximum engagement ensuring a tight durable fit.

Quick Release Components



Part no.	Description
801-70001	Steel Quick Release w/ Coupler
801-70002	Steel Sprint Car Quick Release w/ Coupler
801-70004	Alum. Quick Release w/ Coupler
801-70005	Alum. Sprint Car Quick Release w/ Coupler
801-70030	Adj. Column Steel Quick Release w/ Coupler
801-70031	Adj. Column Alum. Quick Release w/ Coupler
801-70026	Adj. Column Coupler w/ Hardware
801-70035	Aluminum Quick Release w/o Coupler
801-70035B	Black Aluminum Quick Release w/o Coupler
801-70036	Steel Quick Release w/o Coupler
801-70055	6 Bolt Aluminum Quick Release w/ weld on Coupler
801-70055B	6 Bolt Black Alum. Quick Release w/ weld on Coupler
801-70052	Long Spline weld on Coupler
801-70100	L.W. Adj. Column Steel Quick Release w/ Coupler
801-70105	L.W. Steel Quick Release w/o Coupler
801-70200	L.W. Adj. Column Alum. Quick Release w/ Coupler
801-70205	L.W. Aluminum Quick Release w/o Coupler
801-70150	5/16-18 Titanium Quick Release Bolt kit
801-80100	4 Bolt Mini Ultralight Alum. Quick Release w/ Coupler
801-80300	3 Bolt Mini Ultralight Alum. Quick Release w/Coupler
801-80010	4 Bolt / 3 Bolt Mini Ultralight weld on Coupler



Steering Wheels

Sweet Manufacturing has been producing American made racing Steering Wheels for over 20 years. Our Steering Wheels are made from 6061 Aluminum and feature a soft rubber grip. Our wheels are offered in standard size (7/8" Ø) and large grip (1-1/16" Ø). Both grip sizes are also offered in Flat and Dished center and are also available with or without coating.



Part no.		Description
	7/8"Ø	
	1-1/16"Ø	
601-70131	N/A	13" Flat Steering Wheel
601-70132	N/A	13" Dished Steering Wheel
601-70151	601-80151	15" Flat Steering Wheel
601-70152	601-80152	15" Dished Steering Wheel
601-70161	601-80161	16" Flat Steering Wheel
601-70162	601-80162	16" Dished Steering Wheel
601-70171	601-80171	17" Flat Steering Wheel
601-70172	601-70172	17" Dished Steering Wheel
611-70131	N/A	13" Flat Uncoated Steering Wheel
611-70132	N/A	13" Dished Uncoated Steering Wheel
611-70151	611-80151	15" Flat Uncoated Steering Wheel
611-70152	611-80152	15" Dished Uncoated Steering Wheel
611-70171	N/A	17" Flat Uncoated Steering Wheel
611-70172	N/A	17" Dished Uncoated Steering Wheel

Power Steering Boxes



208- 06 185

Box Series

204 / 205- Lightweight Sportsman. By utilizing external machining of the housing and a lightweight internal gear-set these boxes are 2.5 lbs lighter than a Standard Sportsman Box. 204- 3/4" 30 Input
205- 13/16" 36 Input

206 / 208- Sportsman Steering Box. A box developed for the budget minded racer. The 10:1, 8:1, and 6:1 are designed to eliminate the need for a steering quickener.

206- 3/4" 30 Input
208- 13-16" 36 Input

209- 600 series Steering Box. These boxes are dyno tested for quality assurance and ran on our centering machine for accurately locate the center tooth and eliminate any possible tight spots though travel. The exact degree of the pitman shaft is then stamped on the box. The 600 Series Steering Box is 6lbs lighter than a standard Sportsman Steering Box.

Ratio

- O6- 6:1
- O8- 8:1
- 10- 10:1
- 12- 12:1
- 14-14:1
- 16- 16:1

Valve Size

- 185- Stock
- 200- XX Light
- 210- X Light
- 220- Light
- 235- Med. Light
- 250- Medium
- 265-Med./Heavy
- 275- Heavy
- 300- X Heavy



Fabricated Spindles

With options like degree, pin style, brake bracket type, and Ackerman adjustment, Sweet Manufacturing Fabricated Spindles are offered in nearly endless variants. Listed are a few of our most popular options. If you don't see what you are looking for check out Sweetmanufacturing.com for a more complete list or feel free to give us a call for assistance in spindle selection.

701- 120- 1 2 3

Spindle Prefix

Spindle Number

- 101- East Coast Mod 10°
- 105- Sweet EC Mod 8°
- 107- Ford 12°
- 115- East Coast Mod 8°
- 119- Figure Eight 10°
- 120- Ford 10°
- 121- Chevy 10°
- 122- Pinto 8°
- 141- Ford 5°
- 148- Chevy 5°
- 150- Ford 7°
- 157- Chevy 7°

Brake Bracket

- 0- East Coast
- 1- GM
- 2- Superlight (11 3/4" Rotor)
- 3- Dynalite
- 5- Superlight (12 3/4" Rotor)
- 6- No Brake

Pin Style

- 1- Wide 5
- 2- 5x5
- 3- GM Impala

Left or Right

- 1- Left
- 2- Right
- 3- Left Adjustable
- 4- Right Adjustable



Miscellaneous Components

Even though our steering components made us a leader in the industry, Sweet Manufacturing offers more than that. From our suspension components to our bolt on brake brackets, our caliper brackets and hose kits to our Ackerman Advantage System, we offer a variety of parts to help you dial in your ride.



Part no.	Description
308-10200	Sweet Mfg. Fuel Pump
901-10151	Air Cleaner Knob
901-15150	Air Cleaner 4130 Stud 5/16-18
901-10008	Carburetor Hat
501-60008	Aluminum, Brake w/Caliper Bracket
501-60009	Dirt 1" wide Aluminum, Brake Caliper Bracket
301-30177	Sweet Gold Power Steering Fluid (quart)
901-82010	AAS w/NASCAR / SCP Adapter
901-82020	AAS w/Pinto Adapter
901-82030	AAS w/Wide 5 Adapter
901-82050	AAS w/Impala Adapter



Part no.	Description
501-60040	Aluminum Torque Absorber
501-60040	Replacement Elastomer
501-60042	Steel Torque Absorber
501-60010	1 3/4" Aluminum Clevis
501-60012	Heavy Duty Panhard Bar Hoop
501-60015	Lightweight Panhard Bar Hoop
501-60032	Replacement Monoball (panhard hoop)
510-60115	Replacement Stud (panhard hoop)
501-60007	Aluminum Coil over Bracket
501-60050	Aluminum Top Link Brackets
301-30080	Rack and Pinion Hose Kit (non integrated)
301-30091	Steering Box Hose Kit
301-30083	Int. Rack w/PTO Pump Hose Kit
301-30084	Int. Rack w/ Standard Mount Hose Kit



Rebuild Components

In addition to our rebuild services, Sweet Manufacturing offers replacement components for DIY racers looking to repair or freshen up their parts. Nearly every part of our rack and pinions, steering boxes, and power steering pumps is available for individual purchase. For information regarding our rebuild service feel free to contact our tech department.

Rack and Pinion Components

Part no. Description

Rebuild Kits

- 001-21510 2 1/2" Or Slower 1 1/2" Cylinder Bore
- 001-21511 2 1/2" Or Slower 1 3/8" Cylinder Bore
- 001-21512 2 1/2" Or Slower 1 3/8" Cylinder Bore

Rack Shafts

- 001-21011 16 7/16" Rack Shaft (18 1/4" Rack)
- 001-21018 17 7/16" Rack Shaft (19 1/4" Rack)

Pinions

- 001-31130 2 1/2" Non Int. Pinion (10 Tooth)
- 001-71020 3" Non Int. Pinion (12 Tooth)
- 002-31020 2 1/2" Integrated Pinion (10 Tooth)
- 002-71020 3" Integrated Pinion (12 Tooth)
- 002-91320 4" Integrated Pinion (16 Tooth)
- 002-91330 4 1/4" Integrated Pinion (17 Tooth)
- 002-91335 4 1/2" Integrated Pinion (18 Tooth)
- 302-30161 Hex Adapter for Integrated Pinion

Housings

- 002-33030 2 1/4" / 2 1/2" Rack Housing
- 002-73030 3" Rack Housing
- 002-33031 2 1/4" / 2 1/2" Rack Housing (1 1/2" Big Bore)
- 002-73031 3" Rack Housing (1 1/2" Big Bore)
- 002-93330 4"- 4 1/2" Dirt Rack Housing

Rack Eyes

- 001-21116 LH Standard Slotted Rack Eye
- 001-21117 RH Standard Slotted Rack Eye
- 001-21126 LH Upside Down Slotted Rack Eye
- 001-21127 RH Upside Down Slotted Rack Eye
- 001-21128 RH Double Upside Down Slotted Rack Eye



Part no. Description

Boots

- 001-21040 Rack Boot
- 001-21041 Heavy Duty RH Rack boot (Dirt Racks)

Cylinders

- 302-32063 Pro DP Cylinder 1 3/8" (Specify Center Dist.)
- 302-33063 Big Bore DP Cylinder 1 1/2" (Specify Center)
- 302-32067 Dirt DP Cylinder 1 3/8" (Specify Center Dist.)
- 001-32100 Hose Kit For Integrated Rack

Part no. Description

Pump Components

- 321-41006 TC Pump Seal Kit
- 321-81010 Sprint Car / Fuel Drive Pump Seal Kit
- 321-41013 3/8 Hex Drive Shaft and Bearing for TC Pump
- 321-41043 3/8 Hex Drive Shaft for Fuel Drive Pump
- 301-30093 Pump Orifice Pressure Fitting for TC Pump (3.0 GPM)
- 301-35105 Sweet / Toyota Pressure Fitting (3.0 GPM)

Servo Seals

- 312-42006 Integrated / Lightweight Remote Servo Seal Kit
- 311-30040 Standard Servo Seal Kit

Steering Box Components

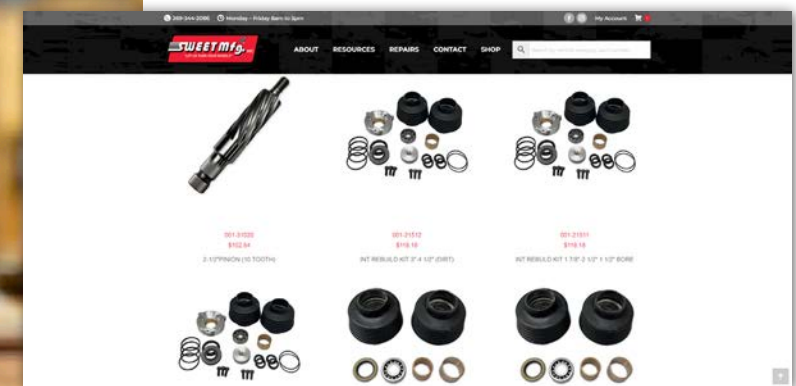
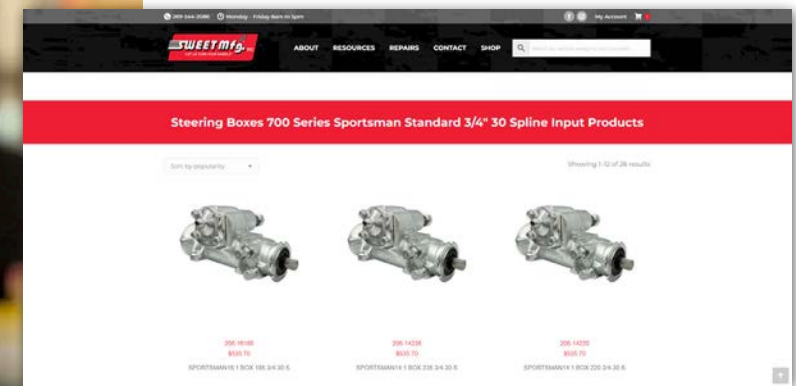
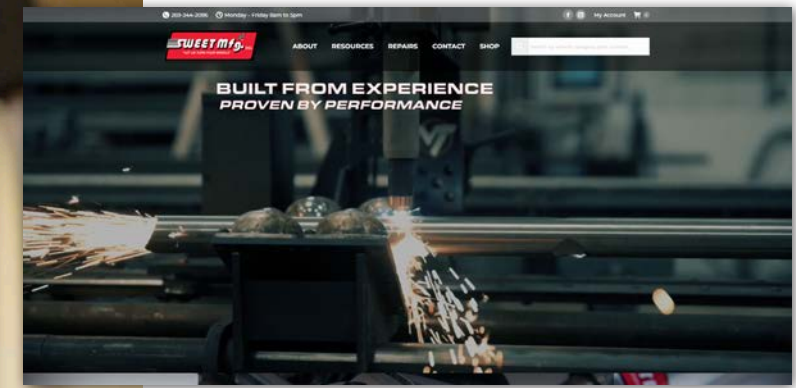
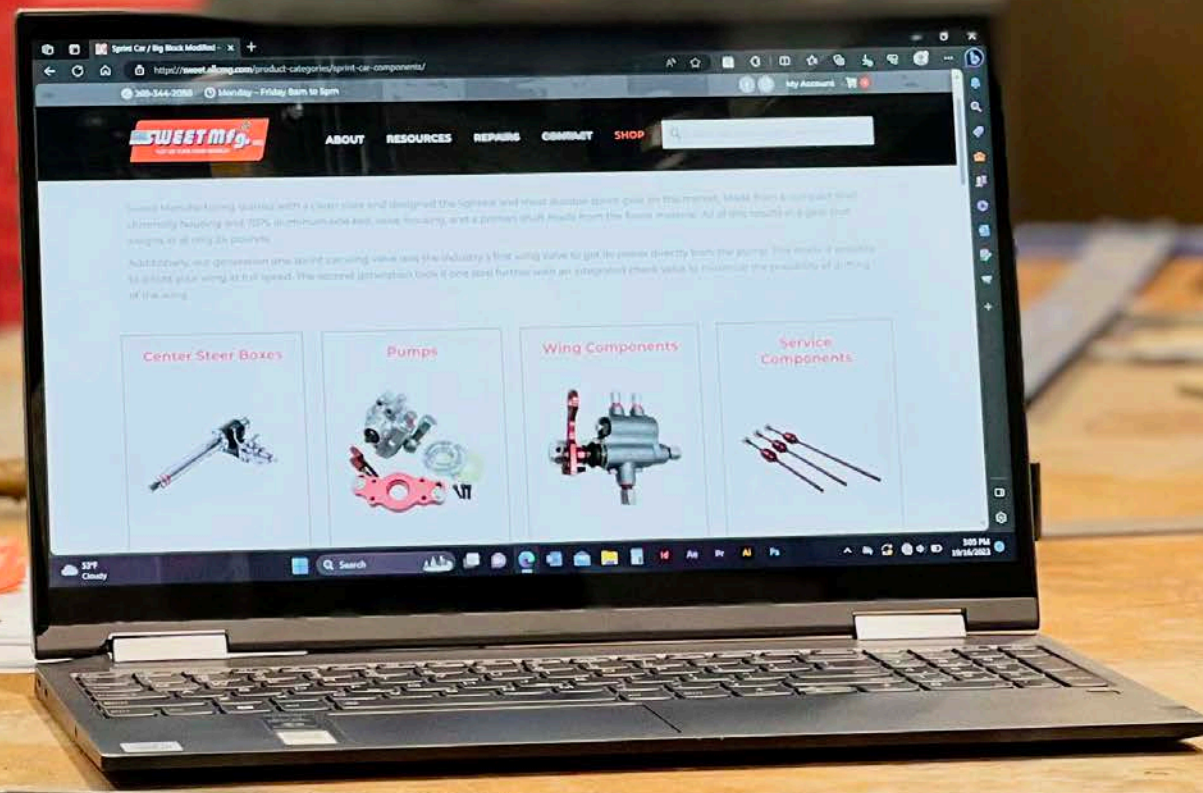
- 201-28020 Sportsman Box Seal Kit (700 Series)
- 219-28930 600 Series Steering Box Seal Kit
- 201-20006 Sportsman Pitman Shaft (Reman OEM)
- 201-28007 New Pitman Shaft (Aftermarket)
- 201-28001 SM GN -6 AN Fitting (o-ring)
- 201-28002 LG GN -6 AN Fitting (o-ring)
- 201-28003 SM GN -6 AN Fitting (inward flare)
- 201-28004 LG GN -6 AN Fitting (inward flare)

Wing Cylinder Components

- 316-20008 8 3/4" Wing Cylinder Rebuild Kit
- 316-20010 10" Wing Cylinder Rebuild Kit
- 316-20012 12" Wing Cylinder Rebuild Kit
- 316-41150 Wing Valve Seal Kit
- 331-44007 Wing Valve Handle



The All New Sweetmanufacturing.com



Sweet Manufacturing Inc. is proud to introduce the new Sweetmanufacturing.com . We started from the ground up with an entirely new website and on-line store. Sweetmanufacturing.com now contains all the products and information you are looking for. In addition to a complete list of our available products we now offer a full line of service kits and components. We have updated all products with new detailed photos and descriptions. For our trusted dealers and distributors we have also included the ability to sign in and receive customer specific information, and up to date stock levels. Through the resources section we will provide the most up to date technical information as well as the latest news, products, and information regarding Sweet Manufacturing.

Sweet Merchandise

Part no.	Description
901-11051	Sweet Mfg. Flexfit Hat LG/XL Black
901-11052	Sweet Mfg. Flexfit Hat SM/MED Black
901-11019	Sweet Mfg. Hat Red
901-11020	Sweet Mfg. Hat Black
901-11006	Sweet Mfg. T-shirt Grey - Small
901-11012	Sweet Mfg. T-shirt Black - Small
901-11007	Sweet Mfg. T-shirt Grey - Medium
901-11013	Sweet Mfg. T-shirt Black - Medium
901-11008	Sweet Mfg. T-shirt Grey - Large
901-11014	Sweet Mfg. T-shirt Back - Large
901-11009	Sweet Mfg. T-shirt Grey - XL
901-11015	Sweet Mfg. T-shirt Black - XL
901-11010	Sweet Mfg. T-shirt Grey - XXL
901-11016	Sweet Mfg. T-shirt Black - XXL
901-11023	Sweet Mfg. Hoodie - Medium
901-11024	Sweet Mfg. Hoodie - Large
901-11025	Sweet Mfg. Hoodie - XL
910-11026	Sweet Mfg. Hoodie - XXL
910-11049	Sweet Mfg. Banner



TERMS: Orders are shipped only upon receipt of credit card approval or certified check unless satisfactory credit arrangements have been made. Open accounts are net payable upon receipt. Any account not paid within 30 days may be placed on C.O.D. and may thereafter be paid only with a certified check until further notice in writing from Sweet Manufacturing, Inc. ("Sweet Mfg."). All returned checks will be assessed a \$25.00 service charge and, if associated with an open account, may thereafter be paid only with a certified check until further notice in writing from Sweet Mfg. Sweet Mfg. may terminate any open account in its sole discretion. These Terms and Policies govern in the event of any conflicting oral or written representation by a Sweet Mfg. employee, officer or agent. SHIPPING: All orders for parts that Sweet Mfg. has in stock are shipped within 24 hours (M-F only), with most orders being shipped the same day they are received (M-F only). Sweet Mfg.'s normal method of shipping is UPS Ground. Next day, second day, and three day select are available at an additional cost. Arrangements for shipping by bus, air, or truck can be made; however, prepayment of your order may be required when using these freight carriers. WHAT CAN BE RETURNED: Sweet Mfg. will accept for return or exchange any product purchased from Sweet Mfg., except special orders, within 30 days from the invoice date. Purchasers will receive credit for parts only. Sweet Mfg. does not credit shipping charges. Items accepted for return are subject to a 15% re-stocking charge. After 30 days, Sweet Mfg. will accept only defective parts for repair or exchange, at Sweet Mfg.'s option. WHAT CANNOT BE RETURNED: Sweet Mfg. will not accept for return any special order; custom built part; any item built to customer specifications, or items that have been used, modified, altered or allowed to deteriorate to a condition where they cannot be resold as new.

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Vehicle photography courtesy of:
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EMPLOYEE OWNED
1978 45 YEARS 2023
Sweet manufacturing inc.
SWEETmfg. INC
"LET US TURN YOUR WHEELS"

The image features a central circular badge with a serrated edge, containing the text "EMPLOYEE OWNED" at the top and "45 YEARS" in the center. Two banners extend from the sides of the badge, with "1978" on the left and "2023" on the right. Below the badge are two logos: on the left, the "Sweet manufacturing inc." logo with a large "S" and a checkmark; on the right, the "SWEETmfg. INC" logo with a checkmark and the tagline "LET US TURN YOUR WHEELS" below it.