

STEERING COMPONENTS

WHAT STEERING BOX SHOULD YOU USE?

The box that you use will depend on what size tires you are running or plan to run in the future. Sure you can get away with running a stock box with 37" for a while but it won't be long and it will start to leak or the shaft will start to twist.

The **STOCK BOX** was only an option for the 73-77 Bronco but is found on many 66-77 Broncos, and was designed to turn 28" tires. Today there are not many stock boxes available, there were not many available to begin with because there were an option in the last few years of the Bronco. We wouldn't recommend using this box for tires bigger than 33". **This box is a direct bolt in.**

The **INTERNATIONAL SCOUT BOX** is found on many Scouts, and was designed to turn 28" tires. It looks like the Bronco box but the bolt pattern is backwards 2 bolts in the front and one in the rear. This box can't be bolted on as is it will need to be converted to steer the correct way. **This box will bolt to the frame on the out side and you will need to drill 3 new holes and use a smaller u-joint.**

The **DELPHI BOX** This box is found on Nissan's and Toyota's is new and has 4 mounting bolts but is designed for small tires. The mounting ears have a tendency to break off when stressed, the fittings are metric and it requires a different pitman arm. We wouldn't recommend using this box for tires bigger than 33". **This box will bolt to the frame with 3 out of the 4 holes but requires other modifications.**

The **F100 4x2 BOX** this box is found on 73-83 trucks and strong enough for big tires but too long to mount correctly to the frame, under frame brackets are available but puts extra stress on your frame and because the box is longer it will inner fear with the tie rods, when they are over the knuckles and for the price you buy the box and under frame brackets you could just buy the better box. You will also have to smash the driver side of the radiator because the box fits on the inside of the frame. You can use a stock pitman arm. We wouldn't recommend using this box at all. **This box will not bolt to the frame without lots of work.**

The **F150 4x4 BOX** this box is found on 75-79 F150 and 78-79 big Bronco and is strong enough for big tires and fits on the frame but was designed for a forward facing pitman arm, when installed in an Early Bronco and you turn the steering wheel left the tires go right. You can use a stock pitman arm. You can't use this box without converting. **This box uses the stock front mounting hole, because the box has a wider and stronger mounting surface the two rear holes need to be re-drilled.**

The **F150 4X4X2 CONVERSION BOX** this box is strong enough for big tires and fits on the frame and because it has a 4X2 gear inside the 4X4 box it turns the correct way You can use a stock pitman arm. We run this Box on All of our Broncos and on our Baja Race Bronco and have never had a problem with one. This box came on hundreds of thousands of F150 4X4's and big Broncos so there are more parts available for them. [If you have both boxes - here is how to convert them.](#) We would recommend using this box for tires smaller than 38" **This box uses the stock front mounting hole, because the box has a wider and stronger mounting surface the two rear holes need to be re-drilled.**

COMPLETE POWER STEERING KIT

Finally, a STRONG and reliable upgrade power steering kit is available for Early Broncos. This kit uses the popular F-series 4X4 steering gear with 4X2 internals that we've featured on our [Tech Tips/How Tos](#) page for years, which countless Early Bronco owners have used. With this kit, we've assembled everything for you no need to go scrounging through junk yards! And these aren't junk yard parts. All components are new or remanufactured. Kit includes the 4X4X2 Conversion steering box, Heavy Duty Saginaw power steering pump with mounting bracket and hardware, your choice of v-belt or serpentine power steering pump

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pulley, Borgeson U-joint, and hoses. You will re-use your existing pitman arm. All you need to supply is a belt to turn the pump (and a crankshaft pulley with extra groove, if necessary). This F-150 4x4 box will replace the much longer 4x2 box that you may have now.

Part Number	PART
48-41012	POWER STEERING KIT STANDARD BRACKET V BELT PULLEY
48-41022	POWER STEERING KIT STANDARD BRACKET SERPENTINE BELT PULLEY
48-41011	POWER STEERING KIT MULTI STEER BRACKET V BELT PULLEY
48-41021	POWER STEERING KIT MULTI STEER BRACKET SERPENTINE BELT PULLEY
48-20010	4X4X2 CONVERSION BOX ONLY

POWER STEERING KIT WITHOUT BOX

You have your own steering box already! With this kit, we've assembled everything you need if you already have your own steering box. All components are new or remanufactured. Kit includes the Heavy Duty Saginaw power steering pump with mounting bracket, adjuster bracket and hardware, your choice of v-belt or serpentine power steering pump pulley, Borgeson U-joint, and hoses.

Part Number	PART
48-42012	POWER STEERING KIT WITHOUT STEERING BOX STANDARD BRACKET V BELT PULLEY
48-42022	POWER STEERING KIT WITHOUT STEERING BOX STANDARD BRACKET SERPENTINE BELT PULLEY
48-42011	POWER STEERING KIT WITHOUT STEERING BOX MULTI STEER BRACKET V BELT PULLEY
48-42021	POWER STEERING KIT WITHOUT STEERING BOX MULTI STEER BRACKET SERPENTINE BELT PULLEY
48-20010	4X4X2 CONVERSION BOX ONLY

FRAME REINFORCEMENT KIT

Sometimes our 30+ year old Broncos can develop cracks in the frame where the power steering gear bolts on. It's not hard to imagine the stresses this part of the frame is constantly being cycled through. Adding larger tires and more powerful steering gears can make the problem even worse. This kit adds needed reinforcement to the critical area of the frame where the steering gear attaches. We're making it easy for anyone to strengthen or repair this part of their Bronco's frame with minimal fabrication (although installation will require grinding and welding). The beefy 1/4" thick frame reinforcement plate is drilled for both the stock Bronco and the popular F-150 power steering box. Rosette weld the unused holes for added strength. Also included are three (3) .25" wall bolt tubes, three (3) grade 8 hex head cap bolts and three (3) Nylock nuts. This reinforcement kit is a recommended repair for Broncos that have already developed cracks in the frame, as well as a preventative measure for those that haven't **YET**.

BC	Stock Ford	As you can see the 1/4"	attens one for stock and one
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Broncos 1/4			plate has two hole p		for the wider
wall		Frame U			
Frame spacer		spacer		4x4x2 box	

Part Number	PART
48-20011	FRAME REINFORCEMENT KIT

PS PUMP BRACKET FOR V8 ENGINES NO A/C

This is a new steel version of the old stock aluminum Ford bracket but allows you to bolt on a HD Saginaw power steering pump. This will replace the stock bracket and adjuster on a 302/5.0 if you have a 351W you will need an additional adapter bracket to make up for the wider engine.

Part Number	PART
48-14020	POWER STEERING PUMP BRACKET
48-14021	ADJUSTER BRACKET

PS PUMP BRACKET FOR 6 CYL ENGINES

That's right! Finally, there's a power steering solution for our 6 cylinder friends. This bracket adapts later model power steering pump brackets to the 6 cylinder engines that came in some Early Broncos. Just bolt on the engine bracket and then you can bolt on a standard V8 pump bracket (with slight modification)

Here you can see the 6cyl bracket (gray bracket) bolted to our power steering pump bracket and HD Saginaw power steering pump

Part Number	PART
48-14020	POWER STEERING PUMP BRACKET
48-14010	6 CYL ENGINE BRACKET
48-14011	6 CYL POWER STEERING ADJUSTER BRACKET

MULTI PUMP POWER STEERING BRACKET

The bracket works with either serpentine or V belt pulleys on all engines that are commonly put in Early Broncos and is set up for a Sanden 508 compressor for A/C or on board air.

As you can see with this bracket the compressor sets low, just slightly higher than the valve cover, the power steering pump bracket is mounted to the head bracket so that it doesn't hit the power steering box.
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This power steering bracket is the only bracket you will ever need. We wanted to cover Five major points when we designed this bracket

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1st We wanted it to work on all 289,302, 5.0 or 351W engines without having to add brackets.

2nd We wanted to make sure it fit all popular power steering pumps including. **Saginaw with caned ham or ford van reservoir, mid 70's- 80's plastic reservoir pump and Stock.**

3rd We wanted to be able to use this system for **"V" belt and serpentine belt** setups.

4th To be able to bolt on a **Sanden A/C compressor** without any extra brackets.

5th Making sure it all **fits under the hood as low as possible** and up out of the way of the **steering box.**

Options We are also testing two different add on brackets to bolt up a York compressor and a separate power steering pump for hydro boost.

Part Number	PART
48-14031	MULTI PUMP POWER STEERING BRACKET

MULTI PUMP POWER STEERING BRACKET

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Part Number	PART
48-14031	MULTI PUMP POWER STEERING BRACKET

HEAVY DUTY POWER STEERING PUMPS

Larger tires and severe off-road conditions can push your Bronco's stock power steering pump to the limit of its performance. Reduced effectiveness or even failure of the power assist in your steering system can occur. This is an excellent upgrade both as a preventative measure and as a replacement for worn out stock units.

We now offer the Saginaw power steering pump with the larger reservoir. As you can see in the picture the difference between the standard canned ham pump and the larger capacity. this pump comes with the cap.

Part Number	PART
48-11020	POWER STEERING PUMP SAGINAW (LARGER RESERVOIR)

V-BELT POWER STEERING PULLEY

These new steel pulleys are for the Saginaw power steering pump(3/4" shaft). There are two options, the most common pulley is the single groove but we also have a 2 groove for different belt setups. These pulleys are the right off set to keep all of the belts in line.

Part Number	PART
15-00452	V BELT POWER STEERING PULLEY (SAGINAW PUMP) 1G
15-00453	V BELT POWER STEERING PULLEY (SAGINAW PUMP) 2G

SERPENTINE POWER STEERING PULLEY

These pulleys are made of the same material as the factory Ford pulleys. We have two serpentine pulleys one fits the Ford pump and the other fits the HD Saginaw pump they all press on and have 6 grooves for the belt.

Part Number	PART
15-00571	MULTI GROOVE POWER STEERING PULLEY (FORD PUMP)
15-00572	MULTI GROOVE POWER STEERING PULLEY (SAGINAW PUMP)

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Part Number	PART
48-30031	4X4X2 BOX TO SAGINAW PUMP PRESSURE HOSE
48-30021	4X4X2 BOX TO FORD PUMP WITH PLASTIC RESERVOIR PRESSURE HOSE
48-30011	STOCK BOX TO STOCK PUMP PRESSURE HOSE
48-30022	4X4X2 RETURN HOSE
48-30012	STOCK RETURN HOSE

POWER STEERING HOSES

We have four different pressure hoses for many popular power steering conversions. All you need to know is what steering box and pump you going to use and we can set you up with the proper hose. We also have replacement stock power steering hoses if you just need to replace a bad one.

POWER STEERING HOSES ADAPTOR

This adapter is for the guy that is using a stock power steering box and wants to upgrade to a HD Saginaw power steering pump without having to change out the hoses. This adapter converts a female to a male

Part Number	PART
48-30013	ADAPTOR FOR STOCK BOX TO STOCK PUMP PRESSURE HOSE

DO I NEED A POWER STEERING COOLER?

I talked to an engineer from GM that specialized in power steering at a trade show and he said to keep the power steering working correctly the "magic number" for the temperature is 178* and if it is not add a cooler until you get that temperature. The best way to check is to get the power steering up to operating temperature and use a hand held laser thermometer just take the cap off and get a reading.

POWER STEERING COOLER SINGLE PASS

Power steering coolers are not always necessary, if you are running stock tires and not doing lots of hard driving than you should be fine but if you start stressing the system *i.e.* hydro boost, big tires, 4 wheeling, rock crawling, mudding or racing then you want to run a cooler. Running a cooler can have many benefits, it will extend the life of the pump and seals it reduces heat related failure and groaning it also allows you to run a larger power steering fluid capacity.

These 3" diameter heat sink type coolers produce high heat transfer with minimal air flow featuring, External and Internal heat displacing fins, compact size and the ability to cool power steering fluid, transmission fluid, fuel and engine oil, makes these a great and cool looking addition to your Bronco. The kit comes with 11/32 hose and the fittings.

Part Number	PART
48-50021	12" SINGLE PASS COOLER
48-50022	15" SINGLE PASS COOLER

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48-50023	18" SINGLE PASS COOLER
48-50024	24" SINGLE PASS COOLER

POWER STEERING COOLER DUAL PASS

Power steering coolers are not always necessary, if you are running stock tires and not doing lots of hard driving than you should be fine but if you start stressing the system *i.e.* hydro boost, big tires, 4 wheeling, rock crawling, mudding or racing then you want to run a cooler. Running a cooler can have many benefits, it will extend the life of the pump and seals it reduces heat related failure and groaning it also allows you to run a larger power steering fluid capacity.

These 3" diameter heat sink type coolers produce high heat transfer with minimal air flow featuring, External and Internal heat displacing fins, compact size and the ability to cool power steering fluid, transmission fluid, fuel and engine oil, makes these a great and cool looking addition to your Bronco. You have a few options available 12", 15", 18", 24" long. The kit comes with 1 1/32 hose and the fittings.

Part Number	PART
48-50031	12" DUAL PASS COOLER KIT
48-50032	15" DUAL PASS COOLER KIT
48-50033	18" DUAL PASS COOLER KIT
48-50034	24" DUAL PASS COOLER KIT

POWER STEERING COOLER

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Part Number	PART
48-50011	POWER STEERING COOLER KIT 2.5" x 12" x .75"

POWER STEERING COOLER

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Part Number	PART
48-50012	POWER STEERING COOLER KIT 5" x 7.75" x .75"

POWER STEERING COOLER HOSE

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Power steering cooler hose is a special hose, you can't use just any cheap hose that fits on the connector. If you use cheap hose after a few months it will start to get soft and spongy causing it to leak or when it is under pressure could cause the hose to blowout.

Part Number	PART
12-71120	TRANSMISSION COOLER HOSE PER FOOT
12-71121	TRANSMISSION COOLER HOSE 25' ROLL

PLEASE READ THE FOLLOWING

Before ordering products from B.C. Broncos, please read the following information, including warranty information and statement of liability. By placing an order to purchase products from B.C. Broncos, you are confirming that you have read and agree to our warranty and statement of liability.

WARRANTY POLICY Within 30 days of receiving a product, if you find the product defective or incorrect, return it to B.C. Broncos. We will repair or replace any product found to be defective, subject to our inspection. Warranty is limited to the cost of the replacement part. Some items purchased from B.C. Broncos and built by other manufacturers may or may not carry warranty's issued by the manufacturer. B.C. Broncos is not a party to such warranty's, and all claims on manufacturer warranty's should be made directly to the manufacturer. No further warranty's are expressed or implied.

RETURNED GOODS POLICY All items returned to B.C. Broncos which were originally paid for by credit card are subject to a 10% restocking fee.

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