INSTALLATION INSTRUCTIONS

88504

Rev B

FOR RANCHO SUSPENSION SYSTEMS **RS6504 & RS6506**: JEEP WRANGLER (TJ)

Springs are included with the kit

READ ALL INSTRUCTIONS THOROUGHLY FROM START TO FINISH BEFORE BEGINNING INSTALLATION



IMPORTANT NOTES!

WARNING: This suspension system will enhance the off-road performance of your vehicle. It will handle differently, both on and off-road, from a factory equipped passenger car or truck. Extreme care must be used to prevent loss of control or vehicle rollover during abrupt maneuvers. Failure to drive this vehicle safely may result in serious injury or death to the driver and passengers. ALWAYS WEAR your seat belts, REDUCE your speed, and AVOID sharp turns and other abrupt maneuvers.

A. Before installing this system, have the vehicle's alignment and frame checked at a state approved facility. The alignment must be within factory specifications and the frame must be sound (no cracks, damage, or corrosion).

B. Do not install a body lift kit with Rancho's suspension system or interchange parts from this system with components from another manufacturer. To obtain maximum rock crawling performance/articulation, use the following Rancho shock absorbers with this kit: RS5255, RS9255, RS9255 or RS999255 for the front & RS5256, RS9256, RS99256 or RS999256 for the rear.

C. Compare the contents of this system with the parts list in these instructions. If any parts are missing, including fasteners, contact the Rancho Technical Department at 1-734-384-7804. Each hardware kit in this system contains fasteners of high

strength and specific size. Do not substitute a fastener of lesser strength or mix one hardware kit with another.

D. Apply THREAD LOCKING COMPOUND to all bolts during installation. One drop on the exposed threads of each bolt before installing the nut is sufficient to provide an adequate bond. CAUTION: Thread locking compound may irritate sensitive skin. Read warning label on container before use.

E. Install all nuts and bolts with a flat washer. When both SAE (small OD) and USS (large OD) washers are used in a fastener assembly, place the USS washer against the slotted hole and the SAE washer against the round hole.

F. Unless otherwise specified, tighten all bolts to the standard torque specifications listed at the end of the note's section. Do not use an impact wrench to tighten any of these bolts. They tend to over tighten smaller bolts and under tighten larger bolts. USE A TORQUE WRENCH!!

G. Rancho parts come with a protective coating. Do not powder coat, chrome, cadmium, or zinc plate any of the components in this system. If you wish to change the appearance of components enamel paint can be applied over the original coating.

H. Do not weld anything to these components, and do not weld any of these components to the vehicle. If any component breaks or bends, contact your local Rancho dealer or Rancho for replacement parts.

I. Some of the service procedures require the use of special tools designed for specific procedures. The following tools and supplies are recommended for proper installation of this kit. \square

- □ Jeep Service Manual
- Spring Compressor
- D Pitman Arm Puller C-4150-A
- □ Steering Linkage Puller C-3894-A
- Drill Motor
- □ Drill assortment (1/8" to 1/2")
- □ Torque Wrench (250 FT-LB capacity)
- □ Hammer
- □ 1/2" Drive Ratchet and Sockets
- □ Combination Wrenches
- □ Allen Wrenches
- □ Torx Key Sockets
- □ Hacksaw
- 🗆 File
- □ Large "C" Clamps and/or Bench Vise
- □ Hydraulic Floor Jack
- □ Heavy Duty Jack stands
- □ Wheel Chocks (Wooden Blocks)
- □ Molybdenum Grease or Anti Seize Compound
- □ Synthetic Grease with Teflon
- □ Silicone Spray
- □ Safety Glasses--Wear safety glasses at all times

J. It is extremely important to replace torsion bars, CV flanges, and front drive shaft/pinion relationships as original. Be sure to mark left/right, front/rear, and indexing of mating parts before disassembly. A paint marker or light colored nail polish is handy for this.

K. Suspension components that use rubber or urethane bushings should be tightened with the vehicle at normal ride height. This will prevent premature failure of the bushing and maintain ride comfort.

L. The required installation time for this system is approximately 5 to 6 hours. Check off the box (\square) at the

beginning of each step when you finish it. Then when you stop during the installation, it will be easier to find where you need to continue from.

M. Important information for the end user is contained in the consumer/installer information pack. If you are installing this system for someone else, place the information pack on the driver's seat. Please include the installation instructions when you finish.

N. This suspension system was developed using the following tire and wheel combination: 33×12.50 R-15 tire, $15" \times 8"$ wheel with 3.75" of wheel backspacing. Before installing any other combination, consult your local tire and wheel specialist.

O. To reduce rear driveline vibration and/or to increase ground clearance, you may want to install a double-cardan driveshaft and not use the skid plate/crossmember spacers and shift relocating bracket. A double-cardan driveshaft for the Rubicon (Part No. 3394-0100) is available from: Powertrain Industries 7532 Anthony Avenue, Garden Grove, CA 92841 (714) 893-4583. Consult your local 4X4 shop for more information.

P. To achieve maximum articulation, for rock crawling only, disconnect the front sway bar end links. DO NOT OPERATE THIS VEHICLE ON PUBLIC ROADS OR AT SPEEDS GREATER THAN 15 MPH WITH THE SWAY BAR END LINKS DISCONNECTED.

Q. Lubricate the end link swivels and the track bar end with molybdenum grease during installation and every 3000 miles. Using synthetic grease with Teflon, lubricate the lower link bushings during installation and every 3000 miles.

R. Thank you for purchasing the best suspension system available. For the best installed system, follow these instructions. If you do not have the tools or are unsure of your abilities, have this system installed by a certified technician. RANCHO IS NOT RESPONSIBLE FOR DAMAGE OR FAILURE RESULTING FROM AN IMPROPER INSTALLATION.

STANDARD BOLT TORQUE SPECIFICATIONS									
INCH SYSTEM			METRIC SYSTEM						
Bolt Size	Grade 5	Grade 8	Bolt Size	Class 9.8	Class 10.9	Class 12.9			
5/16	15 FT-LB	20 FT-LB	M6	5 FT-LB	9 FT-LB	12 FT-LB			
3/8	30 FT-LB	35 FT-LB	M8	18 FT-LB	23 FT-LB	27 FT-LB			
7/16	45 FT-LB	60 FT-LB	M10	32 FT-LB	45 FT-LB	50 FT-LB			
1/2	65 FT-LB	90 FT-LB	M12	55 FT-LB	75 FT-LB	90 FT-LB			
9/16	95 FT-LB	130 FT-LB	M14	85 FT-LB	120 FT-LB	145 FT-LB			
5/8	135 FT-LB	175 FT-LB	M16	130 FT-LB	165FT-LB	210 FT-LB			
3/4	185 FT-LB	280 FT-LB	M18	170 FT-LB	240FT-LB	290 FT-LB			
	BOLT IDENTIFICATION								
$\begin{array}{c} 1/2-13x1.75 \text{ HHCS} \\ \hline \\ D \text{ T} \text{ L} \text{ X} \\ \hline \\ D \text{ T} \text{ L} \text{ X} \\ \end{array}$			$\begin{array}{c c} M12-1.25x50 \text{ HHCS} \\ \hline \\ D \\ D \\ T \\ L \\ X \end{array} \xrightarrow{P} 10.8} \qquad \qquad$						
G = Grade Marking (bolt strength)L = Length (inches)D = Nominal Diameter (inches)X = Description (hex head cap screw)T = Thread Pitch (threads per inch)			P = Property Class (bolt strength) L = Length (millimeters) D = Nominal Diameter (millimeters) X = Description (hex head cap screw) T = Thread Pitch (thread width, mm)						

PARTS LIST									
P/N	DESCRIPTION	QTY.	P/N	DESCRIPTION	<u>QTY.</u>				
130019	Rear Track Bar Bracket	1	860160	Shift Relocation Kit	1				
170081	Right Brake Hose	1	176090	Bracket	1				
170082	Left Brake Hose	1		1/4-20x.75 BHCS	4				
176083	End Link Center	2		1/4 SAE Washer	4				
176084	End Link Bottom	2		1/4-20 Nylock Nut	4				
176085	End Link Bracket	2		Thread Lock	2				
176086	Track Bar	1	860161	Skid Plate Spacer Kit	1				
176088	Rear End Link	2	176091	Skid Plate Spacer	6				
176089	Front Bump Stop Perch	2		1/2 Cone Washer	6				
176080	Suspension Link	4		1/2-13x2.5 FSHCS	6				
420027	Rear Bump Stop Spacer	2		M10-1.50x70 HHCS	2				
602612	Track bar End (ball joint)	1		10mm Lock Washer	2 2				
602615	End Link Swivel	2	860218	Articulation Bushing Kit	1				
615	Front Coil Spring (6506 only)	2	420080	Sleeve	8				
616	Rear Coil Spring (6506 only)	2	520080	Bushing	16				
7727	Pitman Arm	1	860070	Shim Kit	1				
860072	Rear Track Bar Relocation Kit	1	000010	Shim	16				
420026	Sleeve	1	860483	Skid Plate Hardware Kit	1				
120020	7/16-14x1.0 HHCS	1	000100	M12-1.75 x 65 HHCS	6				
	7/16-14 Stover Nut	1		12mm Washer	6				
	7/16 SAE Washer	2	860561	Quick Disconnect Hardware Kit	1				
	M12-1.75x70 HHCS	2	420084	Sleeve, Front End Link	2				
	M12-1.75 Nut	2	545	Bushing	2 2				
	SAE Washer	4	770057	Lynch Pin Assembly	2				
	3/8-16x1.0 HHCS	1	110001	3/4 Rubber Washer	4				
	3/8-16 Stover Nut	1		10mm Washer	2				
	3/8 SAE Washer	2		1/2-20 x 1.75 HHCS	2				
860086	Gasket Kit	1		1/2-20 x 2.75 HHCS	2				
170078	Brake Line Gasket	4		1/2-20 Nylock Nut	4				
860155	Rear End Link Hardware Kit	1		1/2 SAE Washer	4				
420088	Sleeve, Rear End Link	4		1/2 USS Washer	4				
545	Bushing	4	94180	Information Pack	1				
0.0	7/16-20x2.5 HHCS	4	780281	Rancho Decal	1				
	7/16-20 Stover Nut	4	88056	Instructions	1				
	7/16 SAE Washer	4	94119	Consumer/Warranty Information	1				
	7/16 USS Washer	6	94177	Warning Sticker	1				
860157	Front Track Bar Hardware Kit	1		Included in RS6504 only					
420086	Sleeve	1	694	Front Spring	2				
520086	Bushing	2	698	Rear Spring	2				
020000	3/8-16x1.5 HHTS	2	000	Included in RS6505 only	۷				
	3/4-16 Jam Nut	1	615	Front Spring	2				
	Cotter Pin	1	616	Rear Spring	2				
			010		۷				

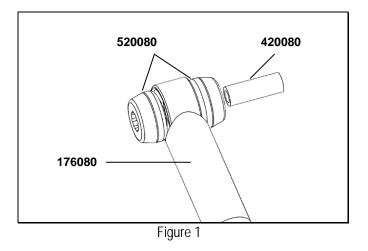
RANCHO LINK ASSEMBLY

BUSHING & SLEEVE INSTALLATION

1) \Box Lubricate the outside diameter of two urethane bushings (part No. 520080) with a silicone spray or a mild solution of soap and water.

2) \Box Press the lubricated bushings into one end of a new Rancho suspension link (176080) as shown in figure 1.

3) Lubricate the outside diameter of sleeve 420080 and the inside diameter of the installed urethane bushings with synthetic grease. Refer to Important Note P. Press the sleeve into the bushings.



NOTE: It may be necessary to use a bench vise or C-clamp to press the bushings and sleeves into the cast links. Do not use a hammer.

□ Slowly apply grease to each end of the cast links 4) (through the grease fitting) with a grease gun. Stop when the grease begins to appear around the edges of the bushings. Do not force the bushings out of the link.

□ Repeat steps 1 through 4 for the remaining cast link 5) ends, bushings, and sleeves.

FRONT SUSPENSION

TRACK BAR & COIL SPRING REMOVAL

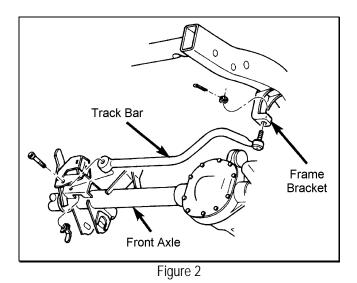
1) \Box Park vehicle on a level surface and set the parking brake. Center front wheels and chock rear wheels.

2) \Box Utilizing a straight edge, measure the horizontal distance between the outer edge of each front tire and the vehicle body (at top edge of fender well).

Left Side:_____

Right Side:_____

□ Remove the cotter pin and nut from the ball stud 3) end of the track bar at the frame rail bracket. Separate the ball stud from the bracket with the recommended puller tool. See figure 2.



 \Box Remove the bolt and flag nut from the axle bracket. 4) Remove the track bar.

□ From inside the engine compartment, remove the 5) upper stud nut, retainer and grommet from both front shock absorbers.

6) \Box If applicable, remove the bolts attaching the automatic transmission skid plate to the frame rails and the transfer case cross member (Do not use an impact wrench). Remove the skid plate.

NOTE: To reinstall the automatic transmission skid plate, adapter kit RS904 must be purchased separately.

□ Raise the front of the vehicle and support the frame 7) with jack stands. Remove the front wheels and set them aside.

8) \Box Position a floor jack under the front axle for support. Remove both front sway bar end links. See Figure 3.

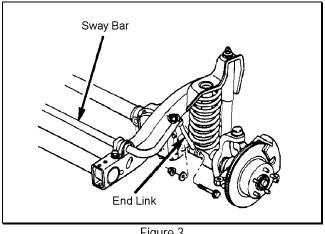


Figure 3

9) \Box Lower axle and remove floor jack.

10) \Box Remove the shock absorber lower nuts and bolts. Remove the front shock. DO NOT REUSE ORIGINAL SHOCK ABSORBERS.

11) \Box Remove the rubber bump stop and bump stop mount from inside of the coil spring.

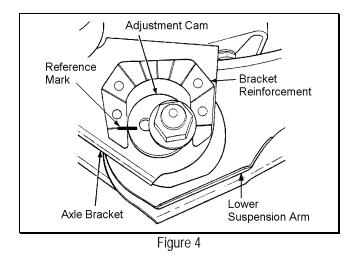
12) \Box If applicable, remove the coil spring retainer bolt and retainer. Push down on the axle and remove the coil spring.

13) \Box Repeat steps 10 through 12 for other side.

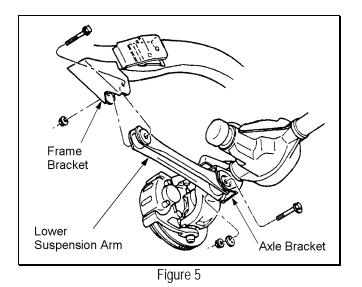
LOWER ARM REMOVAL & LINK INSTALLATION

 \Box Support the front axle with a floor jack. 1)

□ If applicable, paint or scribe alignment marks on the 2) adjustment cams and axle brackets for installation reference. See Figure 4.



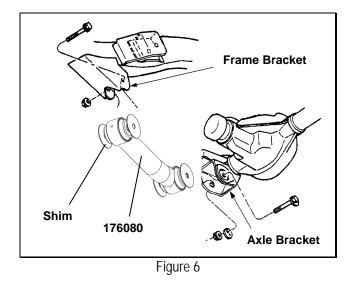
NOTE: Remove and replace one suspension arm at a time.



5) Install new Rancho suspension link assy 176080, along with 4 shims from kit 860218, to the frame and axle brackets as shown in figure 6. Use original hardware but do not tighten.

6) \Box Repeat steps 4 and 5 for the other side.

7) \Box If applicable, drill a 23/64" hole into each cast link and reinstall the ABS sensor wires. Use the original clamps.



PITMAN ARM REPLACEMENT

1) \Box Remove the cotter pin and nut from the drag link at the pitman arm. Separate the drag link ball stud from the pitman arm with a puller tool. Do not use a pickle fork.

2) Center the steering wheel and mark the position of the original pitman arm. Remove the nut and washer from the steering gear shaft.

3) \Box Remove the pitman arm from the steering gear with pitman arm puller C-4150-A.

4) \Box Align and install new pitman arm 7727 on the steering gear shaft. Install the washer and nut. Tighten the nut to 185 ft. lbs.

5) \Box Install the drag link ball stud to the pitman arm. Install the nut and tighten to 60 ft. lbs. Install a new cotter pin.

COIL SPRING INSTALLATION

1) \Box Lower the front axle and remove the hydraulic floor jack.

2) \Box Drill a 5/16" hole through the center of the coil spring axle pad. Reinstall the rubber bump stop.

3) \Box Compress the new front coil spring to 16 inches in length. Use a quality spring compressor like the one shown in figure 7.

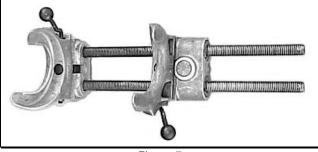


Figure 7

5) \Box Rotate spring so pig tail end fits back in spring pocket. Attach the bump stop perch to the axle pad with the self-tapping screw from kit 860157.

6) \Box Repeat steps 2 through 5 for other side.

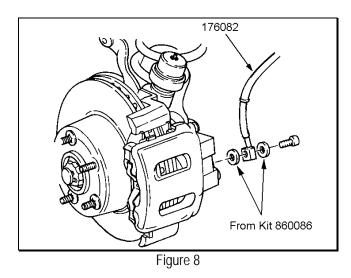
BRAKE HOSE REPLACEMENT

NOTE: To keep the brake bleeding process to just the front calipers, do not allow the brake fluid to drain completely from the master cylinder reservoir.

1) \Box Separate the left front brake hose from the brake tube and the frame rail. Plug tube to prevent brake fluid leakage.

2) \square Remove the brake hose from the caliper. Discard copper washers.

3) Attach left brake hose RS170082 to the caliper with NEW copper washers from kit RS860086, and the original bolt. See figure 8. Tighten the bolt to 23 ft.-lbs.



5) \Box Repeat steps 1 through 4 to install right front brake hose RS170081.

- Attach a clear hose to the right front caliper bleeder screw and immerse the other end into a container of clean brake fluid.
- Loosen the bleeder valve on the caliper.
- Have an assistant push the brake pedal down and then hold.
- Tighten the bleeder valve and slowly release the pedal.
- Repeat the procedure until all air is purged from the caliper.
- Attach the hose and container to the left front caliper and repeat the bleeding process. Refill the brake master cylinder reservoir as necessary.

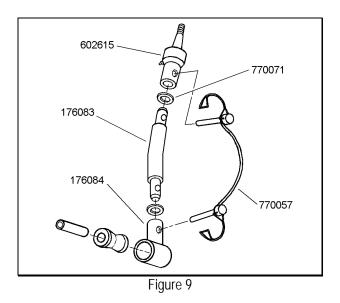
SWAY BAR END LINK ASSEMBLY

1) \Box Apply silicone lubricant and press a bushing from kit 860561 into a front end link bottom socket (176084).

2) \Box Apply silicone lubricant and press a sleeve from kit 860561 into the installed bushing.

3) \Box Install a rubber washer from kit 860561 onto each end of center section 176083.

4) \Box Connect the bottom socket assembly to a top swivel (602615) with the center section. Insert a set of locking pins (770057) as shown in figure 9.



5) \Box Grease the top swivel. Push down on the ball stud when applying grease for the first time. Stop when grease flows past ball.

6) \Box Repeat steps 1 through 5 to assemble the other end link.

SWAY BAR END LINK & SHOCK INSTALLATION

1) \Box Support the front axle with a floor jack.



Figure 10

3) \Box Loosely attach a new end link assembly to the installed bracket with hardware from kit 860561.

4) \Box Insert the top swivel of the link assembly into the sway bar. Install a 10mm washer from kit 860561 then the supplied nut. Tighten the nut to 45 ft. lbs.

CAUTION: Over tightening the nut on the end link swivel may damage the ball stud. **Do Not** use an impact wrench.

5) \Box Drill a 17/64" hole in fender support as shown in figure 23.

6) \Box Repeat steps 2 through 5 for other side.

9) Install front wheels and lower vehicle to the ground. Tighten lug nuts to 80--110 FT-LBS.

10) Position shock stud through upper mounting hole. Install upper shock grommet, retainer and nut. Tighten to 17 FT-LBS. Repeat for other side.



Figure 11

11) \Box Tighten the sway bar lower link bolts to 70 FT-LBS.

12) \Box Tighten the lower suspension arm to frame bracket nut and bolt to 130 FT-LBS (both sides).

13) \Box Align the reference marks on the adjustment cams and lower arm axle brackets. Tighten nuts to 85 FT-LBS.

14) \Box Apply grease to the new lower suspension arms and the top swivel of the sway bar end links. DO NOT OVER GREASE!

TRACK BAR INSTALLATION

1) \Box Install the jam nut from kit 860157 on the new track bar end (602612). Thread the end assembly into the new track bar (176086) until only four threads are exposed. Do not tighten the jam nut.

2) \Box Apply silicone spray and press the bushings and sleeve from kit 860157 into the track bar assembly.

3) \Box Loosely attach the new track bar to the axle bracket with the original bolt and flag nut.

5) Repeat tire to fender well measurements (refer back to step 2 under <u>TRACK BAR REMOVAL</u>). If necessary, adjust the track bar end to duplicate the previously measured difference. Tighten the jam nut.

6) \Box Tighten the track bar to axle bracket mounting bolt to 55 ft. lbs. and the ball stud nut to 65 ft. lbs. Install a new cotter pin.

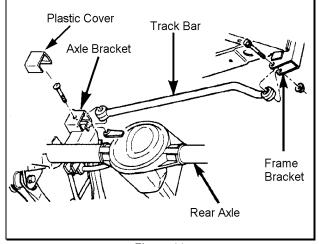
REAR SUSPENSION

TRACK BAR & COIL SPRING REMOVAL

1) \Box Chock front wheels. Disconnect and remove the rear sway bar end links.

2) \Box Disconnect the track bar from the frame bracket. See figure 12.

3) \Box Raise the rear of the vehicle and support the frame with jack stands. Remove the rear wheels.



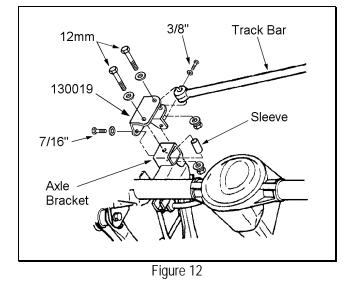


5) Support the rear axle with a floor jack and remove the shock absorbers. DO NOT REUSE ORIGINAL SHOCK ABSORBERS.

TRACK BAR BRACKET INSTALLATION

2) \Box Using the new bracket as a template, mark the two additional mounting holes on the axle bracket. Remove bracket and drill a 13/32" hole through the top of the axle bracket and 15/32" hole through the side.

3) □ Reinstall the track bar bracket and attach it to the axle with the sleeve and hardware from kit 860072. See Figure 12. Tighten to specifications.



4) \Box Insert track bar into track bar bracket and install the 14mm hardware from kit 860072.

NOTE: Do not attach the track bar to the frame bracket or tighten the mounting bolt at this time.

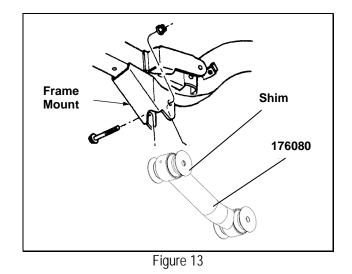
5) \Box Bend gas tank skid plate away from track bar if necessary.

LOWER ARM REPLACEMENT

NOTE: Remove and replace one suspension arm at a time.

1) \Box Support the rear axle with a hydraulic jack.

3) Install new Rancho suspension link 176080, along with four shims from kit 860218, to the frame and axle brackets. See figure 13. Use original hardware but do not tighten.



NOTE: Install two shims at each mounting point, one on either side of the bushing assembly. Also, position the link so that the grease fittings are accessible.

4) \Box Repeat steps 2 and 3 for the other side.

BUMP STOP SPACER & COIL SPRING INSTALLATION

1) \square Remove the rubber bump stop and bump stop bracket from the upper spring mount.

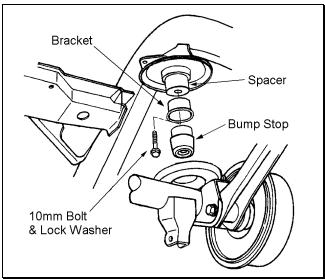


Figure 14

3) \Box Repeat steps 1 & 2 for other side.

NOTE: When installing coil springs, make sure that the rubber damper is positioned in the upper mount and the small egg-shaped coil end is at the top.

6) \Box Loosely attach shocks to the axle brackets.

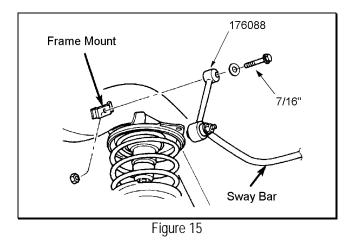
7) $\hfill \mbox{ Install wheels and lower vehicle to the ground. Do not remove wheel chocks. Tighten lug nuts to 80-110 FT-LBS.$

SWAY BAR END LINK INSTALLATION

1) \Box Apply silicone lubricant and press a bushing from kit 860155 into a new rear end link (176088).

2) \Box Apply silicone lubricant and press a sleeve from kit 860155 into the installed bushing.

3) \square Repeat steps 1 and 2 to install the rest of the bushings and sleeves.



NOTE: It may be necessary to enlarge the mounting holes in the sway bar and frame brackets to 7/16".

5) \Box Place the track bar into the frame bracket and install the original hardware. Tighten the track bar mounting bolts to 74 ft. lbs.

6) \Box Tighten all lower arm pivot bolts to 130 ft. lbs. and the shock absorber to axle bracket bolts to 74 ft. lbs.

7) Grease new lower suspension arms until you see a slight amount of grease coming out of bushings. DO NOT OVER GREASE!

TRANSMISSION & TRANSFER CASE

NOTE: See Important Note O before proceeding.

CROSS MEMBER RELOCATION

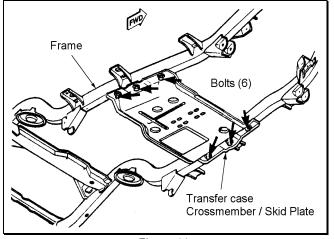
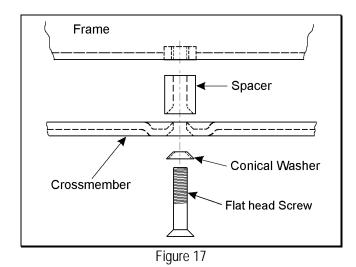


Figure 16

3) Place 3 spacers from kit 860161 between the cross member and the frame with the conical end of the spacer facing down. See figure 18a. For vehicles with an automatic transmission, add 3 shims.



5) \Box If hex head screws were removed, install the hardware from kit 860483. See figure 18.

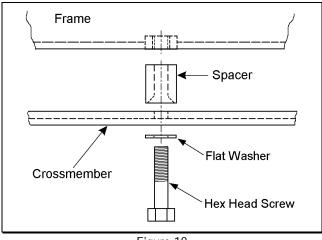


Figure 18

LINKAGE RELOCATION & ADJUSTMENT

2) \Box Remove the four screws that attach the torque shaft bracket to the floor pan. See figure 19.

4) \Box Attach the bearing plate (with gasket) to shift relocating bracket 176090 as shown in figure 20.

5) \Box Using bracket 176090 as a template, mark the two mounting holes locations on the torque shaft bracket. See figure 20. Drill a 9/32" hole at each location.

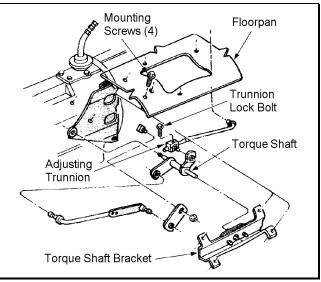
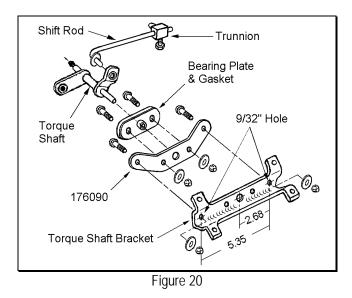


Figure 19

6) \Box Attach the shift relocating bracket 176090 to the torque shaft bracket with the hardware from kit 860160. See figure 20.



NOTE: Be sure shift rod slides freely in trunnion.

9) Uverify that transfer case range lever is fully engaged in 4L position. Tighten adjusting trunnion lock bolt.

10) \square Reinstall carpet/mat and tighten console mounting bolts.

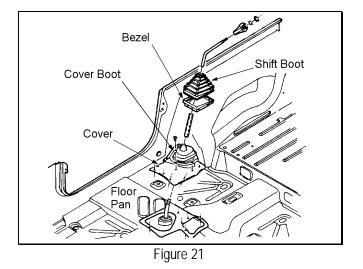
FLOOR PAN MODIFICATION (MANUAL TRANS ONLY)

1) \Box Move the seats to the full rearward position.

2) \Box Pry up the shift boot and bezel from the floor console. See figure 21.

3) \Box Remove the bolts attaching the console to the floor pan.

4) $\hfill\square$ Lift the console upward and remove through the passenger door.



5) \Box Remove the 4 screws attaching the cover boot to the cover. Slide the boot upward to expose the opening in the cover and floor pan.

6) \Box Shift the transmission into 2nd and reverse. Verify a minimum of 1/8" clearance between the shift lever and floor pan. If necessary, enlarge the opening in the floor pan with a half round file.

7) \Box Reposition the cover boot. Install one screw on the left side or 9 o'clock position.



Figure 22

FINAL CHECKS & ADJUSTMENTS

2) Uith the suspension at maximum extension (full droop), inspect and rotate all axles and drive shafts. Check for binding and proper slip yoke insertion. The slip yoke should be inserted a minimum of one inch into the transfer case and/or transmission.

3) Ensure that the vehicle brake system operates correctly. If new brake hoses were installed, verify that each hose allows for full suspension movement.

Alignment Specifications							
Adjustment	Preferred	Range					
Caster	7°	±1.0°					
Camber (fixed angle)	-0.25°	±0.63°					
Toe-In (each wheel)	0.15°	±0.15°					
Thrust Angle	0	±0.15°					

Please retain this publication for future reference. See Important Note M.

END LINK DISCONNECT PROCEDURE (FOR ROCK CRAWLING ONLY)

1) \Box Remove the hitch pins and center sections from the front sway bar end links. Place center sections inside vehicle for safe storage.

2) \Box Rotate the sway bar upward.

3) \Box Connect the sway bar to the inside of the fender wells as shown in figure 23.



Figure 23

IMPORTANT NOTICE

WARNING: DO NOT OPERATE THIS VEHICLE ON PUBLIC ROADS OR AT SPEEDS GREATER THAN 15 MPH WITH THE SWAY BAR END LINKS DISCONNECTED.

