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Part # 12172401
97-03 F-150 Single Adjustable Front Shockwaves

Shockwave Assembly:

2	21129999	2.6" stroke single adjustable shock
2	21190199	Master Series 255C bellow assembly
2	90001632	Internal bump stop
2	90001682	1.5" eyelet
4	90001686	.625" bearing
4	90001900	Snap ring for bearing
2	90001981	Standard width T-bar – Installed in eyelet
4	90001980	Snap ring for T-bar

Components:

2	31954201	1/4" npt x 1/4" tube 90 degree airline fitting
4	90002043	.5" I.D. aluminum bearing spacers
2	90001621	Eye to stud adapter
2	90000333	Step washer – Install on top of frame
2	90001082	Short bump stop

Hardware:

4	99371004	3/8 x 1 1/4 uss bolts
4	99372002	3/8 uss nyloc nuts
8	99373003	3/8 sae flat washers
2	99502001	1/2 USS nyloc nuts
2	99503004	1/2 flat FENDER washers
2	99501018	1/2 x 1-1/2 carriage bolts
2	99501010	1/2 x 2 1/4 SAE bolts
2	99502003	1/2 SAE nyloc jam nuts
4	99311001	5/16 x 1 bolts
4	99313002	5/16" SAE flat washer
4	99312003	5/16" Nylok nut



Installation Instructions for SKW1017SA

1. Raise and support vehicle at a safe, comfortable working height. Let the front suspension hang freely.
2. Remove the coil spring and shock absorber. Refer to a factory service manual for proper disassembly procedure.

F-150 ShockWave Instructions

1. Move brake line on rear of A-arm. Simply remove factory bolt, move bracket forward and install 5/16" bolt & nut in locating tab hole.
2. Factory shock bolts are pressed into A-arm. They need to be knocked out to install ShockWave trunnion (t-bar mount) **on top** of lower A-arm w/ 3/8" bolts, flat washers and nyloc nuts.
3. Stepped washer is installed on the top of the factory shock mount, with smaller diameter indexing the hole in the frame.
4. Put carriage bolt in top bracket. Assemble U-bracket onto ShockWave with 1/2 x 2 1/4 bolt and nyloc jam nut.

5. UPPER & LOWER SHOCKWAVE EYE MOUNTS MUST BE ALIGNED WITH EACH OTHER.

(Align upper mounting bolt with lower trunnion).

6. Tighten bolts, check clearances, & be sure you used Teflon tape on your fitting threads. (Your mounts are aligned and four 3/8" bolts are not holding up the truck, right?).
7. Supplied bumpstops are installed into frame rail where it meets the lower arm when the truck is fully deflated. You will need to drill a 3/8" hole to install these.