

# INSTALLATION CHECK LIST

DS96F-A/B2/M

Installer:		Installation Date:	
Inspector:		Inspection Date:	
Suspension S/N:		VIN:	

## FRAME PREPARATION:

- Battery Disconnected
- Upper Strut Mount, Track Rod Frame Mount, and Front Hanger holes drilled.
- Cross-member lower rivets removed and drilled out.
- Cross-member lower bolt replaced by Button Head Cap Screw and torqued to **75-92 ft-lbs.**

## FRONT HANGER INSTALLATION:

- Front Hangers are level with the top of frame.
- 1/2"-13 Nuts torqued to **85-105 ft-lbs.**

## UPPER STRUT MOUNT/CROSS MEMBER REINFORCEMENT/TRACK ROD FRAME MOUNT INSTALLATION:

- Upper Strut Mounts level with top of frame.
- Cross member Reinforcement installed.
- Bolts point outboard, away from fuel tank.
- 3/8"-16 Nuts torqued to **35-45 ft-lbs.**
- 1/2"-13 Nuts torqued to **85-105 ft-lbs.**

## JOUNCE BUMPER INSTALLATION:

- Bump stop spacers installed to OEM Jounce Bumpers.
- M10-1.5 Nut torqued to **25-30 ft-lbs.**

## AXLE CLAMP INSTALLATION:

- 5/8"-18 U-Bolts torqued in stages up to **175-200 ft-lbs.**
- 1/2" Fasteners torqued to **85-105 ft-lbs.**

## CONTROL ARMS INSTALLATION:

- Lower Control Arms correctly orientated.
- 1"-8 Nuts torqued to **600 ft-lbs**, at ride height.

## TRACK ROD/TRACK ROD BRIDGE INSTALLATION:

- 5/8"-11 Nuts torqued to **175-200 ft-lbs.**
- M10 Bolts torqued to **25-35 ft-lbs.**

## STRUT INSTALLATION:

- 1"-8 Upper Nuts torqued to **600 ft-lbs.**
- 5/8"-11 Lower Nuts torqued to **175-200 ft-lbs.**

## HEIGHT SENSOR INSTALLATION:

- 5/16"-18 Nuts torqued to **14-17 ft-lbs.**
- Linkage Locks installed.

## SECONDARY VOLUME INSTALLATION:

- 3/8"-16 nuts torqued to **35-43 ft-lbs.**
- 5/16"-24 T-bolt clamps torqued to **240 in-lbs.**

## POWER MODULE INSTALLATION:

- 3/8"-16 screws torqued to **35-43 ft-lbs.**

- #10-16 screw to reservoir **snug only**.
- 1/4"-20 U-bolt nuts torqued to **60-85 in-lbs**. [DS96F-A/DS96F-M]
- 3/8"-16 Nuts torqued to **35-43 ft-lbs**. [DS96F-B2]
- Replaced top plug with Breather Cap.

## HOSE INSTALLATION:

- 4 Hose fittings torqued to **12 ft-lbs**.
- 8 (-10 End) Hose fittings torqued to **36-63 ft-lbs**.
- Bleed screws closed and torqued to **13-18 ft-lbs**.
- Hoses secured with standoffs.

## STEERING SENSOR INSTALLATION:

- Steering Sensor installed.
- Steering sensor harness attached and routed.

## WIRING HARNESS INSTALLATION:

- Pass-Thru Yellow/Grey wire connected to TRO-P (Grey/Brown) upfitter wire.
- Pass-Thru Violet/Grey wire connected to VS OUT (Violet/Orange) upfitter wire.
- Dash harness installed
- Dash harness blunt wires connected to External harness wires.
- Dash harness Pink/Black wire spliced into OEM Brake Signal (Violet/White) at connector C219.
- Dash harness Violet/White wire spliced into OEM Speed Signal (Violet/Gray) at connector C215.
- Dash harness Yellow/Black wire spliced into OEM Park Signal (Yellow/Gray) at connector C215.
- Dash harness Red wire spliced into OEM Battery Signal (Red) at connector C215.
- Dash harness Yellow wire spliced into OEM Ignition Signal (Blue/Green) at connector C215.
- Driver Interface installed and connected to Dash Harness.
- External harness connected to Rate Valves, Height Sensors, and Power Module.
- Battery harness with Fuse Lead connected to Battery and External Harness.
- Door harness installed (if equipped with rear door switch).
- All connector locks secured.
- All connections sealed.
- All harnesses properly secured from chaffing, heat, and located away from moving parts..

## INITIAL FILL/CALIBRATION:

- Battery connected.
- Suspension rose to ride height.
- Reservoir at proper level.
- Calibration completed.