

# INSTALLATION CHECK LIST

DS96GM

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

## FRAME PREPARATION:

- Battery Disconnected
- Upper Strut Mount and Track Rod Frame Mount drilled or reamed out.

## FRONT HANGER INSTALLATION:

- M10-1.5 Nuts torqued to **43-53 ft-lbs.**

## AXLE CLAMP INSTALLATION:

- 5/8"-18 U-Bolts torqued in stages up to **175-200 ft-lbs.**

## CONTROL ARMS INSTALLATION:

- Lower Control Arms correctly orientated.
- 1"-8 Nuts torqued to **600 ft-lbs**, at ride height.
- 5/8"-11 Nuts torqued to **172-210 ft-lbs**, at ride height.

## TRACK ROD/TRACK ROD BRIDGE/TRACK ROD FRAM MOUNT INSTALLATION:

- 1/2"-13 Nuts (Bridge Orientation) torqued to **86-105 ft-lbs.**
- 5/8"-11 Nuts torqued to **175-200 ft-lbs.**
- M10 Nuts torqued to **43-53 ft-lbs.**
- 1/2"-20 U-Bolts torqued to **65 ft-lbs.**
- Driver Side Parking Brake routed under bridge.
- Clamp 5/16"-18 nuts torqued to **20-24 ft-lbs.**

## UPPER STRUT MOUNT/CROSS MEMBER REINFORCEMENT:

- Cross member Reinforcement installed on the rear side of the upper strut mount.
- Bolts point outboard, away from fuel tank.
- 1/2"-13 Nuts torqued to **85-105 ft-lbs.**

## STRUT INSTALLATION:

- Bearing spacers inserted.
- 1"-8 Nuts torqued to **250 ft-lbs.**

## 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.** [DS96GM-AR/DS96GM-MR]
- M10-1.5 Nuts torqued to **43-53 ft-lbs.** [DS96GM-AM]
- Replaced top plug with Breather Cap.

## HOSE INSTALLATION:

- 4 Hose fittings torqued to **12 ft-lbs.**
- 10 Hose fittings torqued to **36-63 ft-lbs.**
- Bleed screws closed and torqued to **13-18 ft-lbs.**
- Hoses secured with standoffs and/or clamps.

## CHASSIS ASSEMBLY INSTALLATION:

- Spacer for fuel line on driver side installed and torqued to **14-17 ft-lbs.**
- Parking brake cable re-routed and secured.
- Parking brake cable does not touch tire or strut during full travel.

## HEIGHT SENSOR INSTALLATION:

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

## STEERING SENSOR INSTALLATION:

- Steering Sensor Bracket attached to Gearbox. U-bolt torqued to **60-85 in-lbs.**
- Steering Sensor Linkage Bracket attached to Pitman Arm. U-bolt torqued to **60-85 in-lbs.**
- Steering Sensor installed. 5/16"-18 Nuts torqued to **14-17 ft-lbs.**
- Linkage Locks installed.

## WIRING HARNESS INSTALLATION:

- Dash harness installed.
- All appropriate wiring splices between external harness and dash harness made.
- External harness routed and secured.
- External harness connected to Rate Valves and Height Sensors.
- External harness connected to Steering Sensor.
- Dash harness Ignition Wire (Yellow) spliced to OEM Green wire under seat.
- Dash harness Battery Wire (Red) spliced to OEM Red/White wire under seat.
- Dash harness Ground Wires (Black) and Park Wire (Yellow/Black) secured to ground stud.
- External harness Speed wire (Purple/White) spliced to OEM Yellow/Black wire at ABS actuator.
- External harness Brake wire (Pink/Black) spliced to OEM Light Blue wire.
- Driver Interface installed and connected to Dash Harness.
- 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.