

INSTALLATION CHECK LIST

DS137F/DS147F

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

FRAME PREPARATION:

- Battery Disconnected
- Upper Strut Mount, Track Rod Frame Mount, and Secondary Volume Assy holes drilled.

FRONT HANGER INSTALLATION:

- Front Hangers are flush to bottom of frame.
- 5/8"-11 Nuts torqued to **172-210 ft-lbs.**
- OEM M14 Flange Screws torqued to **120 – 145 ft-lbs.**

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

- Upper Strut Mounts level with top of frame.
- Cross member Reinforcement orientated correctly.
- Bolts point outboard, away from fuel tank.
- 5/8"-11 Nuts torqued to **172-210 ft-lbs.**
- 1/2"-13 Nuts torqued to **86-105 ft-lbs.**

JOUNCE BUMPER INSTALLATION:

- 1/2"-13 Bumper Pad Screws torqued to **86-105 ft-lbs.**
- M10-1.5 Nuts torqued to **42 ft-lbs.**

AXLE CLAMP/TRACK ROD BRIDGE INSTALLATION:

- Slanted U-Bolts orientated correctly
- 3/4"-16 U-Bolts torqued in stages up to **295 ft-lbs.**
- 5/8"-18 Slanted U-Bolts torqued to **180 ft-lbs.**
- 1/2" Fasteners torqued to **86-105 ft-lbs.**
- 5/8" Fasteners torque to **172-210 ft-lbs.**
- Brake flexible lines reattached and torqued to **18 ft-lbs.**
- Parking Brake Cable attaching bracket modified and torqued to **10-12 ft-lbs.**

CONTROL ARMS INSTALLATION:

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

TRACK ROD INSTALLATION:

- 5/8"-11 Nuts torqued to **172-210 ft-lbs.**

STRUT INSTALLATION:

- 1"-8 Upper Nuts torqued to **600 ft-lbs.**
- 1"-8 Lower Nuts torqued to **250 ft-lbs.**

HEIGHT SENSOR INSTALLATION:

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

PARKING BRAKE CABLE INSTALLATION:

- Parking brake cable rerouted.

- Grommets reinstalled in Driver side front hanger.
- Wire formed brackets reattached.

POWER MODULE/SECONDARY VOLUME INSTALLATION:

- 3/8"-16 Screws torqued to **39 ft-lbs.**
- 3/8"-16 J-Bolt Nuts torqued to **28 ft-lbs.**
- Reservoir Mount Self Tapping Screws tightened to **snug only.**
- 5/16"-24 Clamp Fasteners torqued to **240 in-lbs.**
- 3/8"-16 Nuts Torqued to **35-43 ft-lbs.**
- 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.

STEERING SENSOR INSTALLATION:

- OEM Nuts torqued to **120-147 ft-lbs.**
- 5/16"-18 fasteners torqued to **14-17 ft-lbs.**
- 1/4"-20 U-bolt nuts torqued to **60-85 in-lbs.**
- Linkage Locks installed.
- Steering sensor harness attached and routed.

WIRING HARNESS INSTALLATION:

- Dash harness installed
- Dash harness Violet/White wire connected to VS OUT (Violet/Orange) upfitter wire.
- Dash harness Yellow wire connected to RUN/ACC (White/Blue) upfitter wire.
- Dash harness Yellow/Black connected to TRO P (Blue/Grey) upfitter wire.
- Dash harness Red wire spliced into SBB95 (White/Red) in Harness 12A581.
- Dash harness Pink/Black wire spliced into Brake Signal (Blue/Orange) wire in Connector C2280F, Pin #19.
- Connector C2280F reconnected.
- Driver Interface installed and connected to Dash Harness.
- External harness installed and connected to Dash Harness.
- External harnesses installed and connected to Rate Valves, Height Sensors, and Power Module.
- Battery harness installed with Fuse Lead and connected to Battery and Power Module.
- Door harness installed (if equipped with rear door switch).
- 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.