



LIPPERT COMPONENTS, INC.

ELECTRONIC LEVELING II

INSTALLATION MANUAL

INSTALLATION OF FITTINGS ON LEVELING JACKS

I. Installation for one FRONT JACK and one REAR JACK

A. Install 3 FITTINGS each on one (1) FRONT JACK and one (1) REAR JACK.

1. Install one (1) FITTING in one of the TOP (EXTEND) PORT.

- a. Remove PLASTIC PLUG on TOP PORT of both FRONT and REAR JACKS ① and install ELBOW (141610) or STRAIGHT (141109) FITTING ② depending on available access.



141610



141109



2. Install two (2) FITTINGS in both BOTTOM (RETRACT) PORTS.

- a. Remove STEEL PLUG from BOTTOM PORT of both FRONT and REAR JACKS with 3/16" hex wrench ③ and install ELBOW FITTING ④ provided.



- b. Remove PLASTIC PLUG from the second BOTTOM PORT on both FRONT and REAR JACKS ⑤ and install ELBOW FITTING ⑥ provided.



II. Installation for remaining FRONT and REAR JACKS

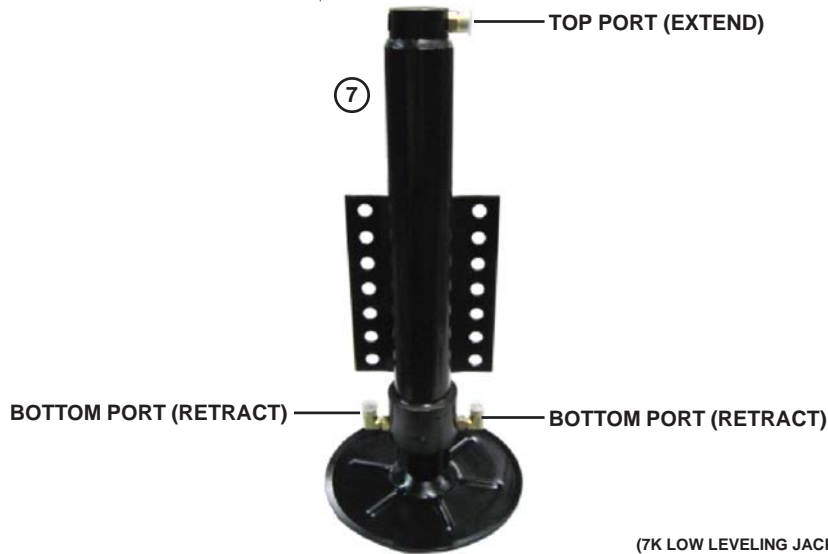
A. Install 2 FITTINGS each on remaining FRONT and REAR JACKS.

1. Install one (1) FITTING in one TOP (EXTEND) PORT.

- a. Remove PLASTIC PLUG in TOP PORT on both FRONT and REAR JACKS ① and install ELBOW or STRAIGHT FITTING ② depending on available access.

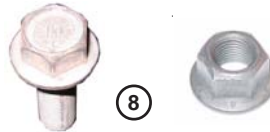
2. Install one (1) FITTING in on BOTTOM (RETRACT) PORT.

- a. Remove PLASTIC PLUG in BOTTOM PORT on both FRONT and REAR JACKS ⑤ and install ELBOW FITTING ⑥.



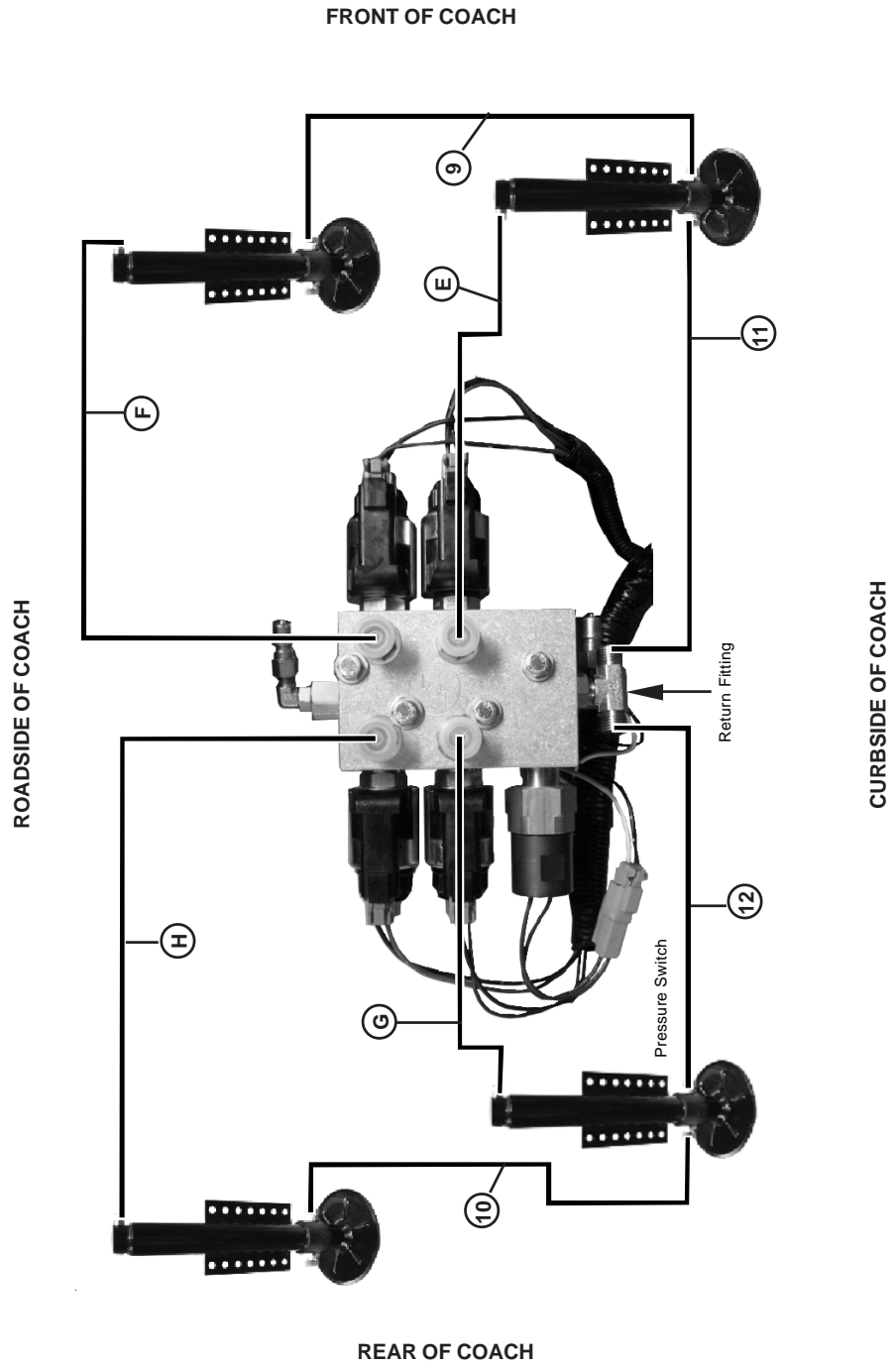
III. Installation of JACKS onto COACH FRAME

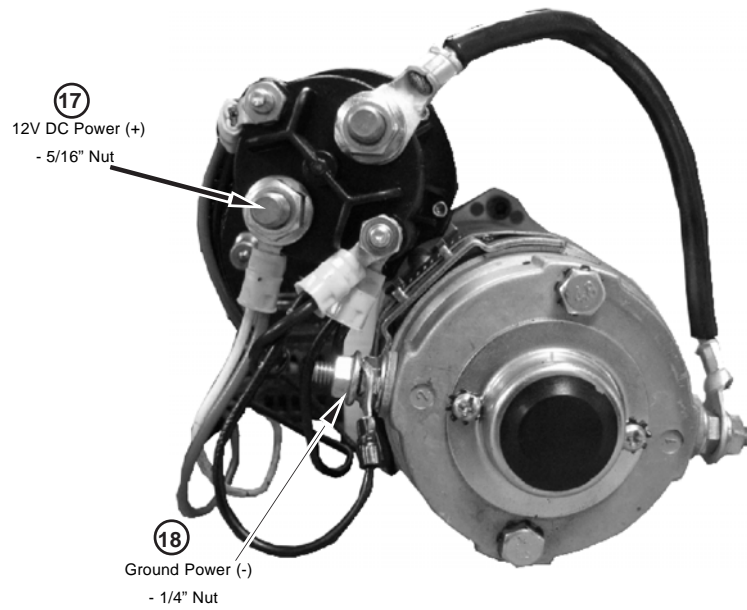
- A. Use hardware provided:
1. 1/2 -20 x 1 1/4" GR 8 FLANGE BOLT and 1/2 - 20 GR 8 LOCKING FLANGE NUTS.
 - a. Qty. 6 per JACK.
 2. Torque BOLTS to 80-90 ft./lb.



IV. Installation of Leveling Hoses

- A. Install FRONT JACK CROSSOVER HOSE first.
1. This hose connects the BOTTOM PORTS (RETRACT) of the FRONT JACKS only.
 - a. Connect hose to BOTTOM PORT of FRONT JACK with 3 total FITTINGS and connect it to the opposite FRONT JACK with 2 total FITTINGS.
- B. Install REAR JACK CROSSOVER HOSE next.
1. This hose connects the BOTTOM PORTS (RETRACT) of the REAR JACKS only.
 - a. Connect hose to BOTTOM PORT of REAR JACK with 3 total FITTINGS and connect it to the opposite REAR JACK with 2 total FITTINGS.
- C. Install the FRONT RETRACT HOSE (connect to open BOTTOM FITTING on JACK with 3 total FITTINGS) and connect opposite end to "T" FITTING on PUMP MANIFOLD identified as RETRACT PORT. See diagram 11.
- D. Install the REAR RETRACT HOSE (connect to open BOTTOM FITTING on JACK with 3 total FITTINGS) and connect opposite end to "T" FITTING on PUMP MANIFOLD identified as RETRACT PORT. See diagram 12.
- E. Install a hose to the FRONT CURBSIDE JACK from the TOP PORT (EXTEND) and run hose to pump and connect it to the EXTEND FITTING controlled by VALVE with GREEN WIRE.
- F. Install a hose to the FRONT ROADSIDE JACK from the TOP PORT (EXTEND) and run hose to pump and connect it to the EXTEND FITTING controlled by VALVE with PURPLE WIRE.
- G. Install a hose to the REAR CURBSIDE JACK from the TOP PORT (EXTEND) and run hose to pump and connect it to the EXTEND FITTING controlled by VALVE with BLUE WIRE.
- H. Install a hose to the REAR ROADSIDE JACK from the TOP PORT (EXTEND) and run hose to pump and connect it to the EXTEND FITTING controlled by VALVE with RED WIRE.
- I. Connect 12V DC source wire (00 ga. with 100A circuit breaker inline between battery source and POSITIVE POST of the PUMP SOLENOID). See diagram 17.
- J. Connect CHASSIS GROUND WIRE to GROUND STUD on PUMP MOTOR. See Diagram 18.





V. Installation of Harnesses

A. Pump Harness

1. Install PUMP HARNESS so 12-PIN QUICK CONNECT allows BRAIN BOX to be mounted as close to the center of the coach as possible.

B. Touch Pad Harness

1. The 4-PIN QUICK CONNECT plugs into the back of the TOUCH PAD and the opposite end plugs into the BRAIN BOX.

C. Interconnect Harness

1. The WHITE wire is connected to GROUND SOURCE when PARKING BRAKE SWITCH is made.
2. The RED wire connects to 12V DC when IGNITION is in RUN position.