

## CERTAIN 2021-2022 MODEL YEAR ECONOLINE VEHICLES EQUIPPED WITH DUAL REAR WHEELS — HYDROBOOST OR HYDROMAX® PRESSURE LINE INSPECTION

### SERVICE PROCEDURE

1. Locate the power steering pump to Hydromax pressure line and inspect if the line is a newer design or original design. Note which Hydromax pressure line is equipped and then proceed to Step 2. See Figures 1a and 1b.

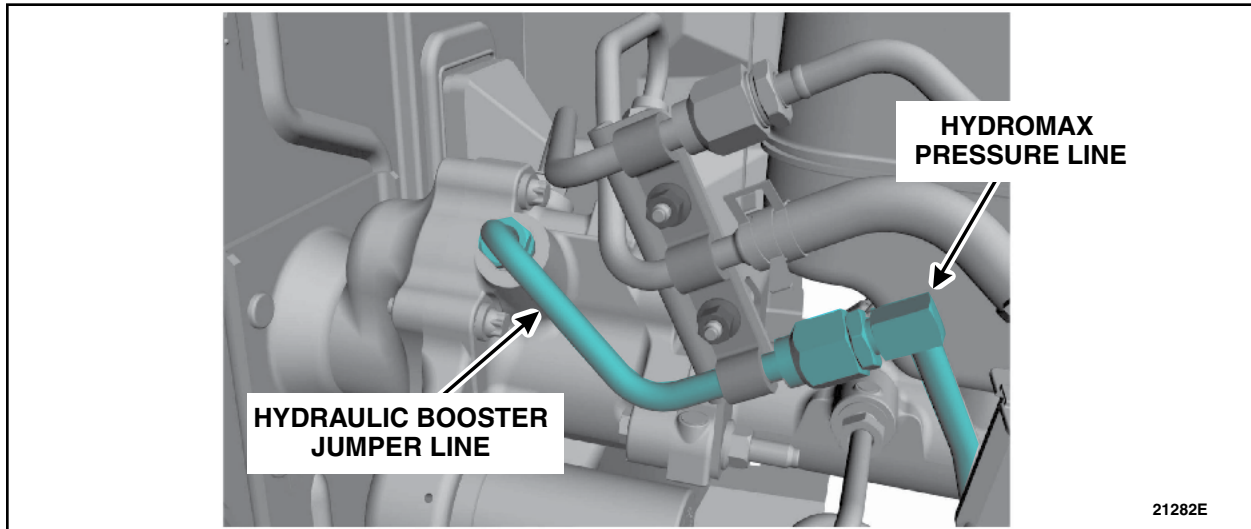


FIGURE 1A

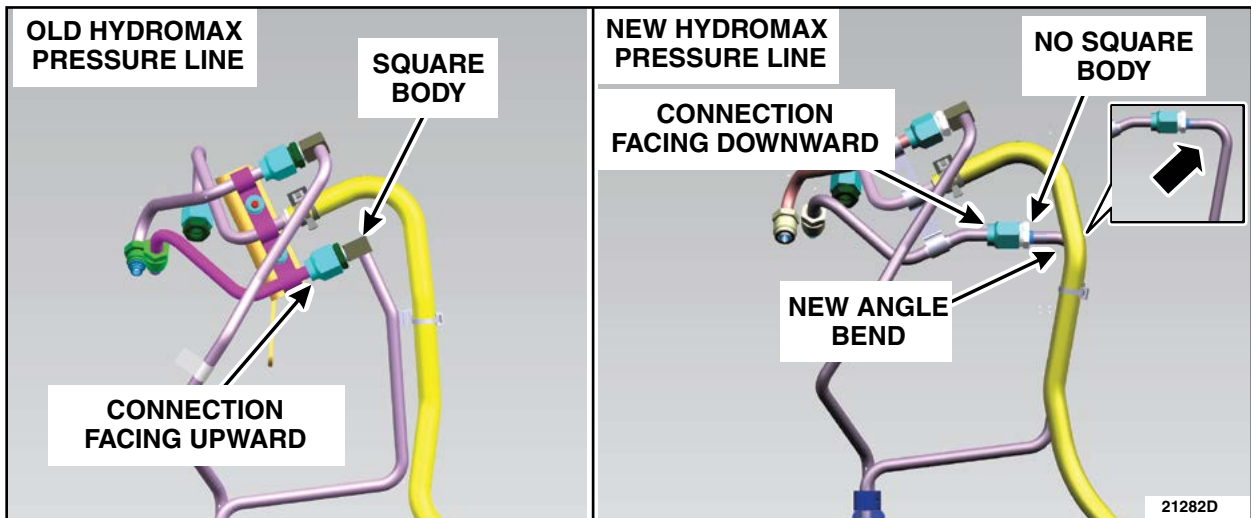


FIGURE 1B



2. Locate the hydraulic booster jumper line and inspect if the line is a newer design or original design. Note which hydraulic booster jumper line is equipped and then proceed to Step 3. See Figures 1a, 2a, 2b.

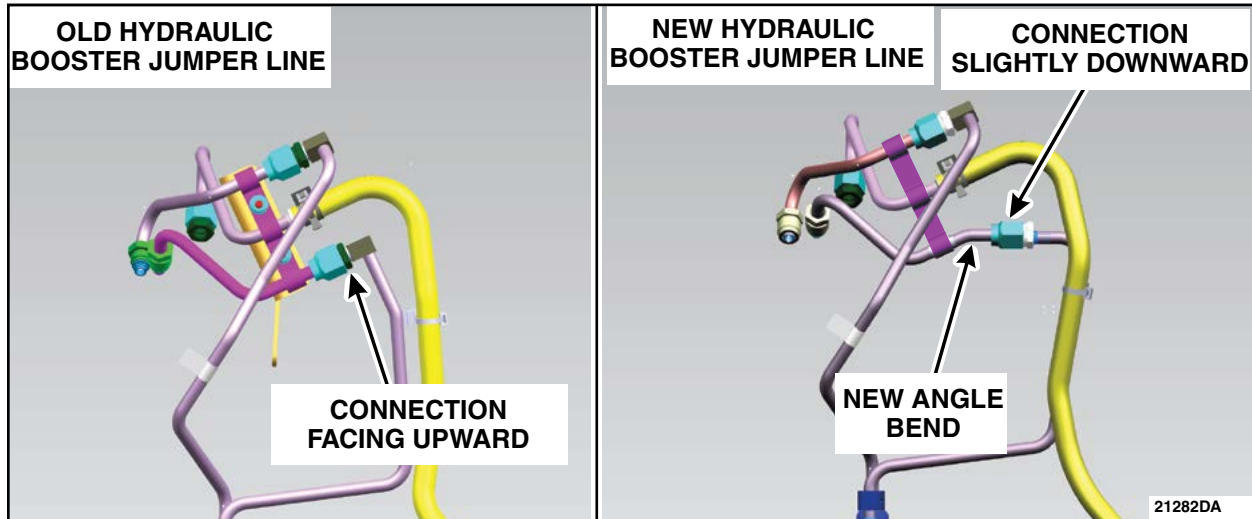


FIGURE 2A

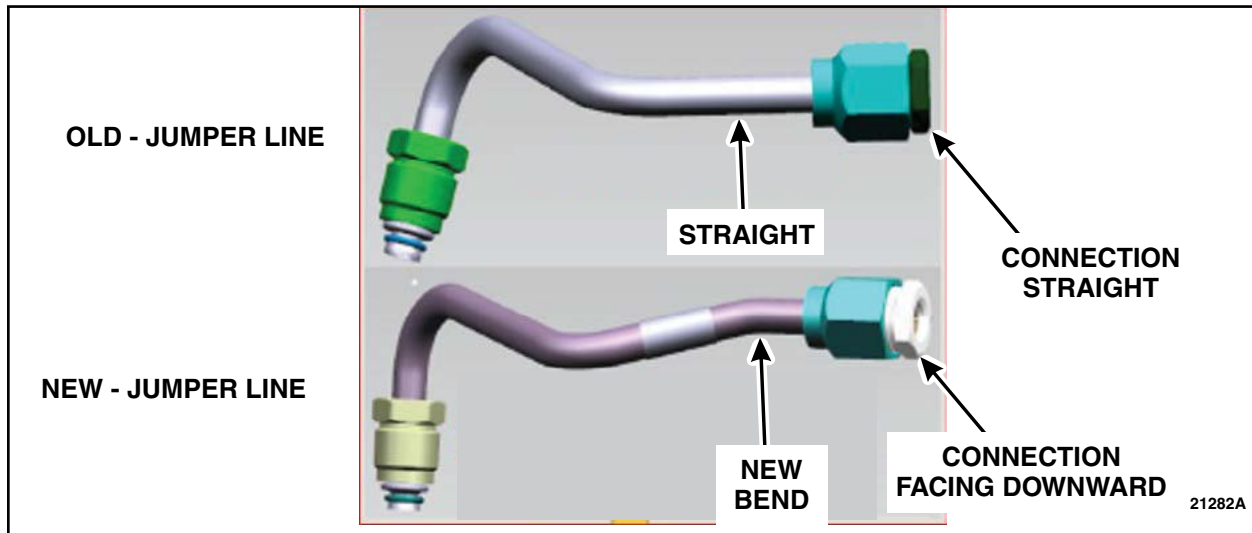


FIGURE 2B

3. Is the vehicle equipped with new or original Hydromax pressure line and hydraulic booster jumper line?
- **NEW** Hydromax pressure line and **NEW** hydraulic booster jumper line - No Further Action is Required.
  - **OLD** Hydromax pressure line and **OLD** hydraulic booster jumper line - Proceed to Step 4.
  - **OLD** Hydromax pressure line and **NEW** hydraulic booster jumper line - Proceed to Hydro-Boost Line Replacement Procedure, on Page 5.
  - **NEW** Hydromax pressure line and **OLD** hydraulic booster jumper line - Proceed to Hydro-Boost Line Replacement Procedure, on Page 5.



4. Using a 4 in (101.6 mm) extension and a 1/4 in (0.25 in / 6.35 mm) wide flat blade impact screw driver bit, insert the bit between the space in the Hydromax Pressure Line to hydraulic booster jumper line at a 90 degree angle to the connection and apply 12 Nm (8.85 lb-ft) of torque to attempt to separate the line connection. **NOTE: DO NOT EXCEED 12 Nm (8.85 lb-ft).** See Figure 3.

- Did the lines disconnect?
  - NO - Proceed to Step 5.
  - YES - Does not pass inspection - Proceed to Hydro-Boost line replacement procedure, on Page 5.

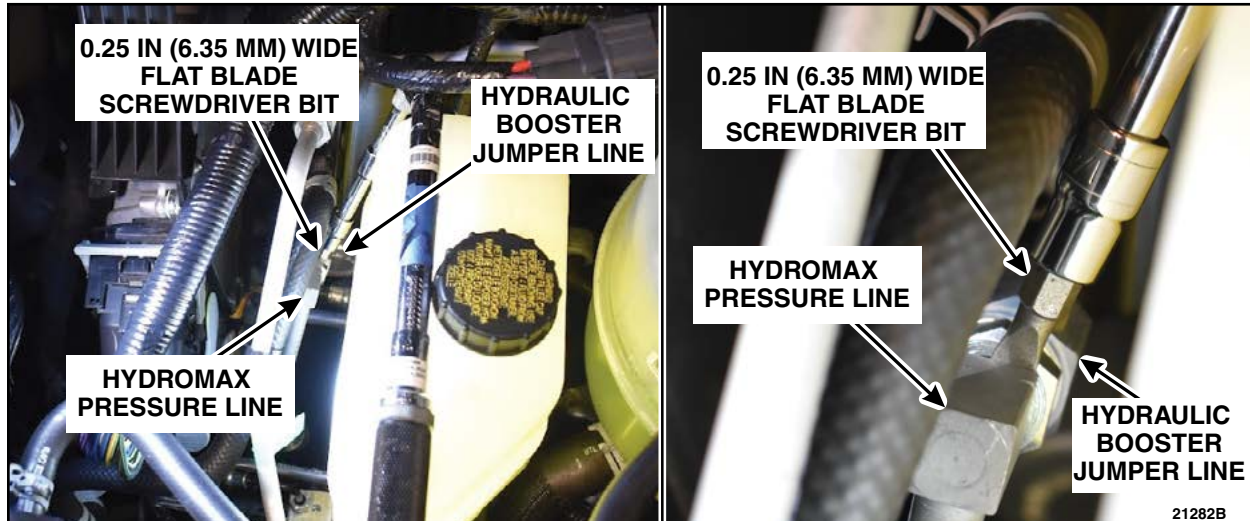


FIGURE 3



5. Using a 3 mm (0.118 in) brake lining thickness gauge (Matco Tools part number BG842 or equivalent), attempt to insert in the gap of the Hydromax Pressure Line to hydraulic booster jumper line to determine if the gap is larger than 3 mm (0.118 in). Can you insert a 3mm gauge into the gap? Ensure you are using the 3 mm (0.118 in) part of the gauge and not the tool thickness. See Figures 4a and 4b.

- Is the gap greater than 3 mm (0.118 in)?
  - NO - Passes inspection - No Further action is required and the vehicle can be released.
  - YES - Does not pass inspection - Proceed to Hydro-Boost Line Replacement Procedure Replacement Procedure, on Page 5.



FIGURE 4a

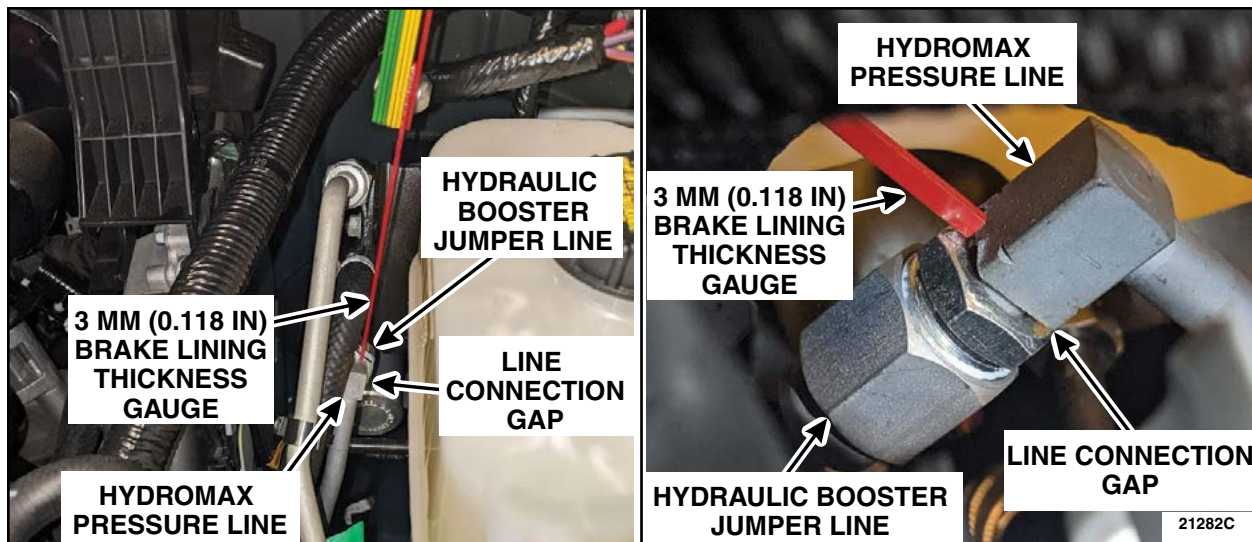


FIGURE 4b



## Hydro-Boost Line Replacement Procedure

**IMPORTANT! If Hydro-Boost line replacement is required the Hydro-Boost line jumper will also need to be replaced. DO NOT bend the lines to fit the new line to old jumper. See Figure 4.**

1. Remove the hydraulic booster jumper line bracket nuts and bracket. Please follow the Workshop Manual (WSM) procedures in Section 211-02 Power Steering > Removal and Installation > Power Steering Pump to Hydromax Pressure Line, Exploded View for illustration.
2. Remove the hydraulic booster jumper line from the hydraulic booster. Please follow the WSM procedures in Section 211-02.
3. Replace the power steering pump to hydromax pressure line and hydraulic booster jumper line. Please follow the WSM procedures in Section 211-02.
4. Reinstall the jumper line bracket and nuts. Please follow the WSM procedures in Section 211-02.

**IMPORTANT NOTE: Federal law prohibits selling motor vehicle parts or components that are under safety, compliance, or emissions recall. Unless a part is requested to be returned to Ford, all parts replaced under this FSA must be scrapped in accordance with all applicable local, state and federal environmental protection and hazardous material regulations. Refer to the Parts Retention, Return, & Scrapping section of the FSA dealer bulletin for further information.**

