



INSTRUCTION TO SERVICE

ITS: 6731	
SECTION:	246 Air Brake and Levelling System
WRITTEN BY:	Tyler Omichinski
SUBJECT:	Re-torque front air brake lines

ITS6731

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NEW FLYER

1. Turn the main battery disconnect switch to the “OFF” position.
2. The ABS modulators in the front wheel wells must be accessed. Place the bus over a pit or raise the bus in accordance with the New Flyer Service Manual as required to gain access.
3. Locate the air line connecting the front axle brake chamber and the front axle ABS modulator on both the C/S and S/S of the bus. The connection at the modulator valve is shown in Fig. 1.

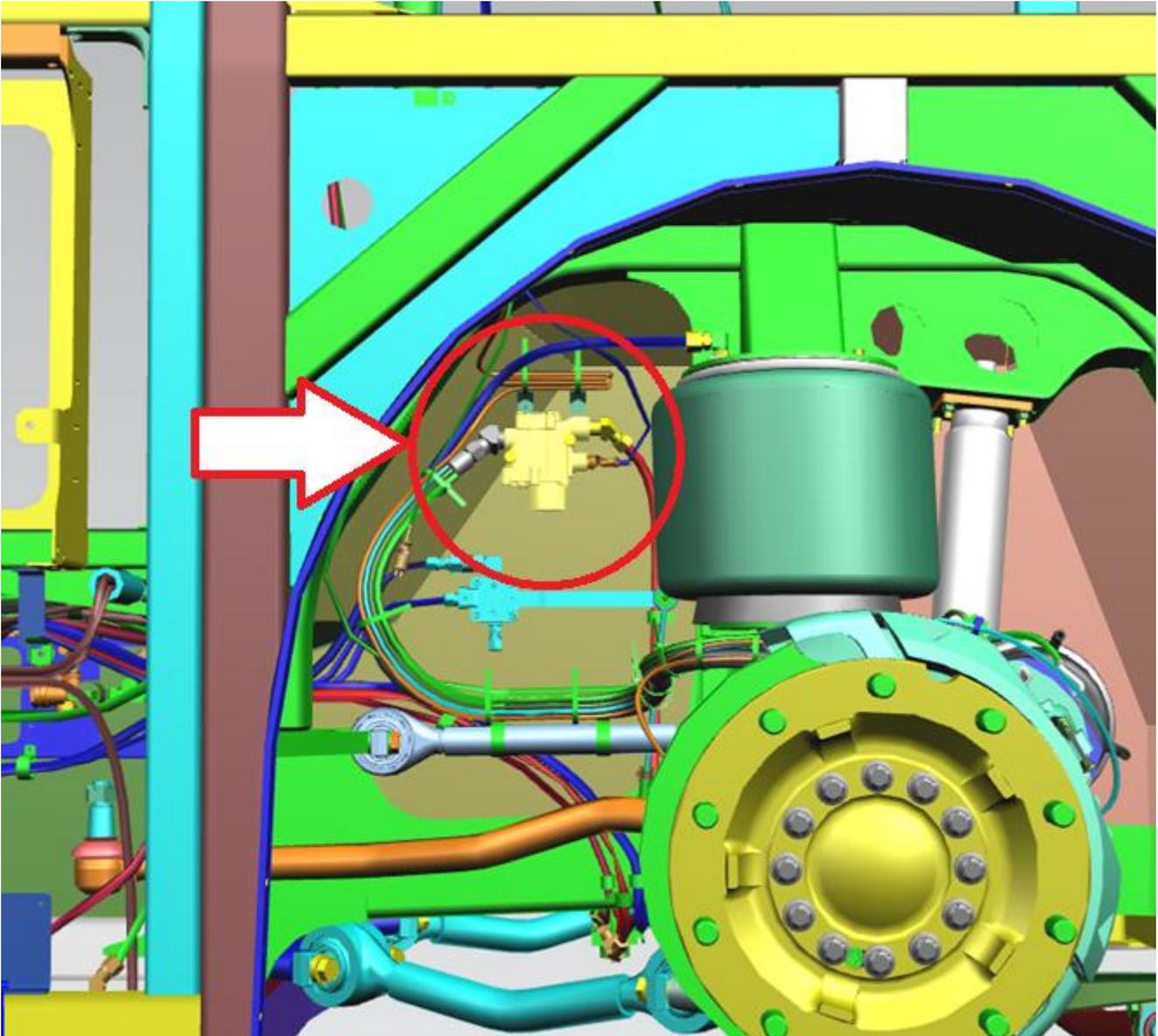


Figure 1: ABS modulator to be accessed (typical both sides)

4. Turn the front wheels as required to access the ABS modulator on one side.
5. Disconnect the air hose from the 45-degree fitting at the modulator, as shown in Fig. 2. Clean all connections of any dirt or debris.



Figure 2: Disconnect brake hose from 45-degree fitting

- Using a torque wrench and crow's-foot adapter, reinstall the air hose on the elbow and torque to 37 ft-lbs dry. Apply a torque stripe once tightened to specification.

NOTE: DO NOT use the crow's foot adapter in line with the torque wrench; this will increase the actual amount of torque applied to the joint as the lever arm will be longer. Use the crow's foot adapter at a 90-degree angle to the length of the torque wrench. See Fig. 3 for an example.

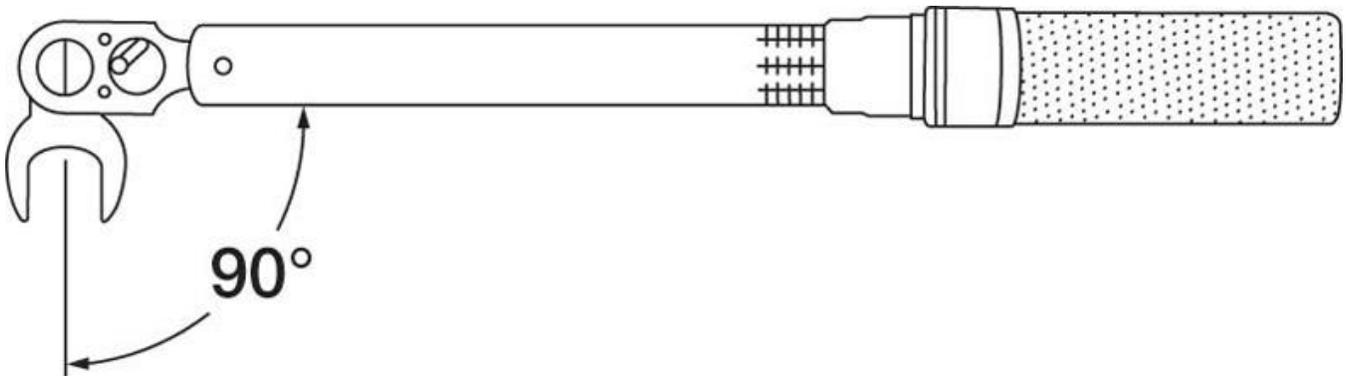


Figure 3: Use crow's foot adapter at 90-degree angle to wrench



NEW FLYER

7. Inspect the system for leaks at the connection.
8. Repeat the operation for the opposite side of the axle.
9. If necessary, lower coach in accordance with the New Flyer Service Manual.
10. Turn the main battery disconnect switch to the “ON” position.



NEW FLYER

LABOUR ESTIMATE

	Operation	Men	Hours	Labour Time M X HR
1	Re-torque front brake lines	1	1.0	1.0

PARTS REQUIRED

Item	Part Number	Description	Qty. per Coach	Units	Notes
No Parts Required					

SPECIAL TOOLS REQUIRED

Item	Part Number	Description	Qty. per Coach	Units	Notes
1	NPN	Torque wrench with open-end/crow's-foot extension	1	EA	