



INSTRUCTION TO SERVICE

ITS: 58416	
SECTION:	219 Engine and Transmission
WRITTEN BY:	Mike Pearson
SUBJECT:	Inspect all buses for correct O2 sensor seals and insulation installation

ITS58416

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NEW FLYER

PROCEDURE:

NOTE: This ITS should be done in conjunction with or after existing ITS-6845.

1. Turn the main battery disconnect switch to the "OFF" position.
2. Open the muffler access door and locate the existing O₂ and sensor harness support bracket.

WARNING: To avoid personal injury from hot surfaces, **DO NOT** work in the muffler area if it is hot. Allow the muffler compartment area to cool enough to touch before working in the area.

3. Examine the existing O₂ sensor for correct insulation installation, any existing high temperature tape or loom installed should not cover the sensor adapter, sensor pigtail or the O₂ sensor itself. If insulation or tape is present in these areas it must be removed.
4. Verify the correct blue connector seal p/n 754029 is present and installed correctly on the adapter that comes with the aftertreatment harness from Cummins, see figure 1.
5. Verify the correct blue connector seal p/n 754029 is present and installed correctly on the New Flyer side male type connector that connects to the Cummins O₂ sensor adapter, see figure 1.

Verify the correct blue connector seal p/n 754029 is present and installed correctly hardware

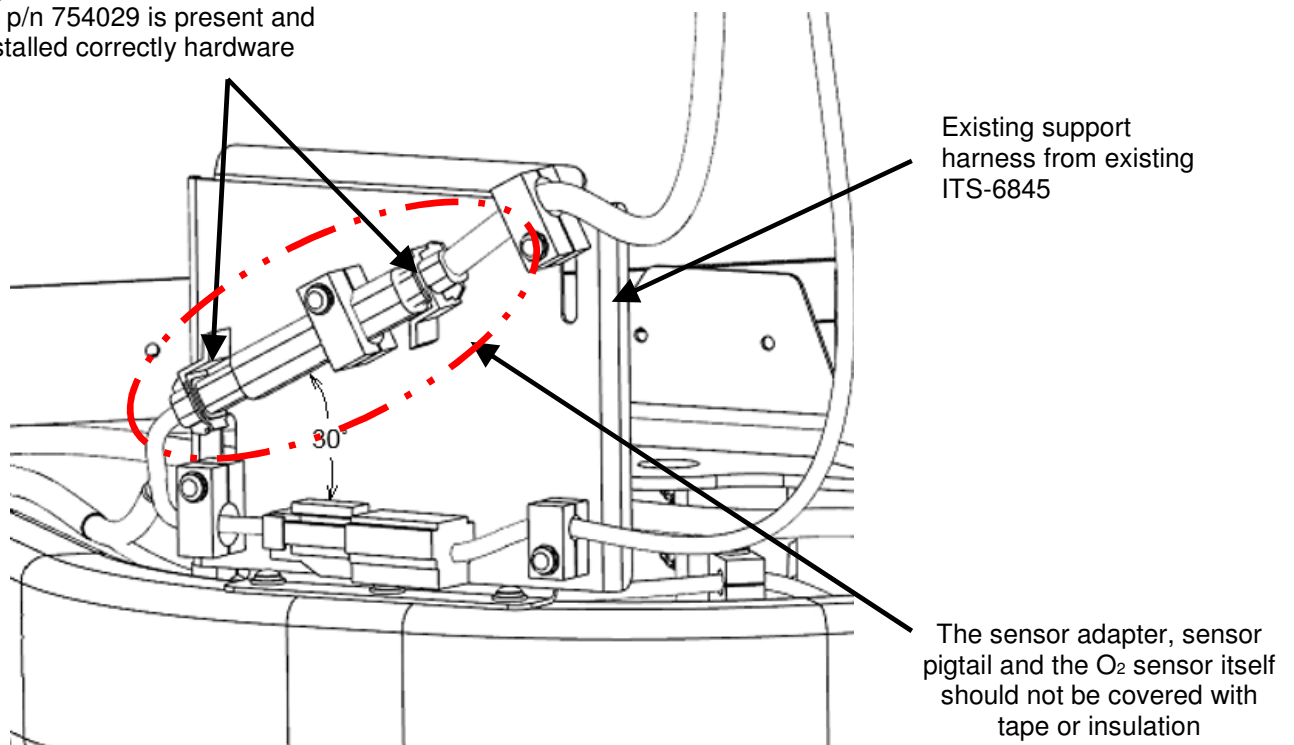


Figure 1: O₂ Sensor Blue Seal Locations

6. Close the muffler access door.
7. Remove all tools and debris and return the bus to service condition.
8. Turn the main battery disconnect switch to the "ON" position.



NEW FLYER

LABOUR ESTIMATE

	Operation	Men	Hours	Labour Time M X HR
1	Inspect all buses for correct O2 sensor seals and insulation installation	1	0.50	0.50

PARTS REQUIRED

Item	Part Number	Description	Qty. per Coach	Units	Notes
1	754029	Seal-Metri-Pack Blue	2	EA	If needed