

SERVICE MANUAL BULLETIN

This Service Manual Bulletin is prepared by the Publications Department of New Flyer Industries Canada ULC. Refer to details below.

SMB-180

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APPLICABILITY					
VEHICLE LENGTH	<input type="checkbox"/> 30ft.	<input type="checkbox"/> 35ft.	<input type="checkbox"/> 40ft.	<input type="checkbox"/> 60ft.	<input checked="" type="checkbox"/> ALL
VEHICLE TYPE	<input type="checkbox"/> Xcelsior®	<input type="checkbox"/> MiDi®	<input type="checkbox"/> Invero®		<input type="checkbox"/> ALL
	<input checked="" type="checkbox"/> Low Floor	<input type="checkbox"/> High Floor			
FUEL TYPE	<input checked="" type="checkbox"/> Diesel	<input type="checkbox"/> Diesel/Electric	<input type="checkbox"/> CNG	<input type="checkbox"/> LNG	<input type="checkbox"/> ALL
	<input type="checkbox"/> Fuel Cell	<input type="checkbox"/> Trolley/Electric	<input type="checkbox"/> Battery/Electric		
SUBJECT	Crankcase Breather Element				
SECTION TITLE	PM - Preventive Maintenance				
DETAILS	<p>This bulletin provides corrected Preventive Maintenance Interval for the crankcase breather element on your New Flyer vehicle.</p> <p>This bulletin applies to vehicles with a Cummins ISL 07 or ISL 09 engine.</p> <p>This information supersedes any prior information on this subject already provided in your New Flyer Service Manuals. Make this Service Bulletin available to service personnel to inform them of changed information.</p>				

1. 60,000 Miles (96,000 km) Preventive Maintenance

1.1. Cummins Engines ISL 07 & ISL 09

1.1.1. Crankcase Breather Element

Replace the crankcase breather element every 60,000 miles (96,000 km) or 2,000 hours, whichever occurs first.

1.1.1.1. Removal

1. Set the Battery Disconnect switch to the OFF position.
2. Steam clean the crankcase breather cover area and dry with compressed air.
3. Remove the eleven bolts that attach the crankcase breather cover to the crankcase breather base. See "Fig. 2: Crankcase Breather" on page 2.

NOTE:

The six bolts that attach the breather base to the valve cover do not need to be removed.

4. Remove the breather cover.
5. Remove the breather element from the breather base and discard.

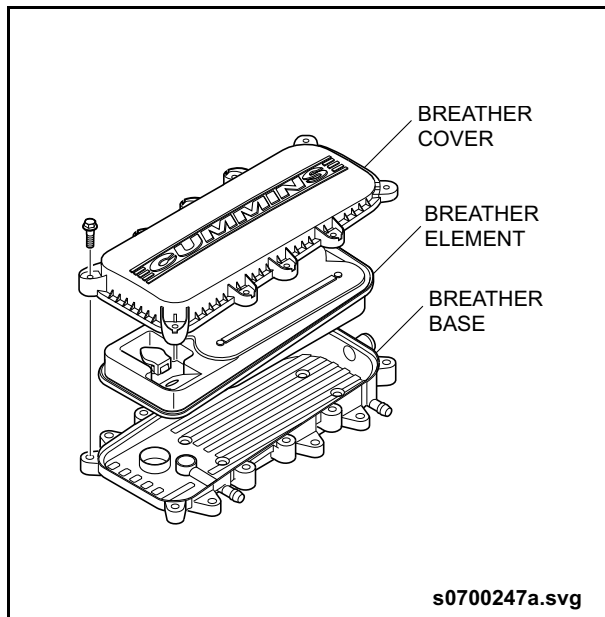


Fig. 2: Crankcase Breather

2.0.0.1. Inspection & Cleaning

1. Inspect the breather cover and base for cracks or other damage.
2. Clean any debris or sludge buildup from inside the breather cover and base. Be careful not to allow debris or cleaning fluid to enter the crankcase when cleaning the breather base.

2.0.0.2. Installation

1. Lubricate the O-ring on the new breather element with engine oil.
2. Install the new breather element onto the breather base.
3. Install the breather cover using eleven bolts. Torque bolts to 44 in-lb. (5 Nm) in the sequence shown. See "Fig. 3: Breather Cover Torque Sequence" on page 2.

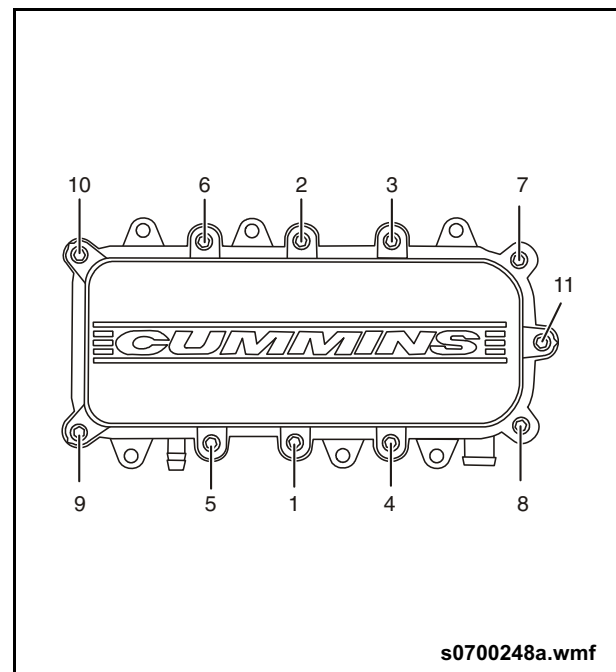


Fig. 3: Breather Cover Torque Sequence