



TECHNICAL SERVICE INFORMATION BULLETIN

TSIB 12-03, rev A		OCTOBER 18, 2012
TO:	All Operators	
TITLE:	Ford 6.8 V-10 WSG-1068 Gasoline Engine Oil Cooler	
APPLICABILITY:	All New Flyer Buses with Ford 6.8 V-10 WSG-1068 Gasoline Engines	

It has come to the attention of the New Flyer Service Organization that some transit operations are installing the engine oil cooler spacer incorrectly. The engine oil cooler spacer should be oriented with the gasket sealed end facing up towards the engine block as shown in Figure 1. Ensure that a torque wrench used for all components in this TSIB requiring a torque (including the oil filter). Incorrectly installed oil cooler spacers may result in loss of oil and potential engine damage.

Correct installation sequence is as follows:

- a) Start with installing the coupling (NF P/N 6348905) tight to the engine block.
- b) Ensure the oil cooler spacer o-ring (NF P/N 6406206) is seated inside the oil cooler spacer (NF P/N 6410072). See TOP VIEW for reference. Tighten the oil cooler spacer to the coupling ensuring the oil cooler spacer o-ring is seated against the engine block tight.
- c) Seat the bottom of the oil cooler spacer (NF P/N 6410072) to the oil cooler assembly (NF P/N 6399468). Ensure the o-ring on the cooler assembly (NF P/N 6409205) is seated against the bottom of the oil cooler spacer (NF P/N 6410072).
- d) Install the threaded sleeve (NF P/N 6406762) through the oil cooler assembly (NF P/N 6399468) and into the oil cooler spacer (NF P/N 6410072). Torque between 41-44 ft.lb (55-60 Nm).
- e) Install the oil filter (NF P/N 6348909) and torque between 11-12 ft.lb (14-17 Nm)


NOTE: It is recommended that properties order the upgraded NF P/N 6410072 oil cooler spacer (containing new dimensional changes), replacement oil cooler spacer o-ring NF P/N 6409206 (containing a new material change), and oil cooler o-ring NF P/N 6409205 at the next oil change interval.

Replacement of all O-Rings (NF P/N 6409206 and NF P/N 6409205) shall occur every 2 years during a scheduled oil change interval.

It is New Flyer's expectation that all our customers properly maintain the Ford 6.8L V-10 WSG-1068 gasoline engines in accordance with this Technical Service Information Bulletin and the New Flyer Service Manual.

Direct all inquiries regarding this bulletin to:

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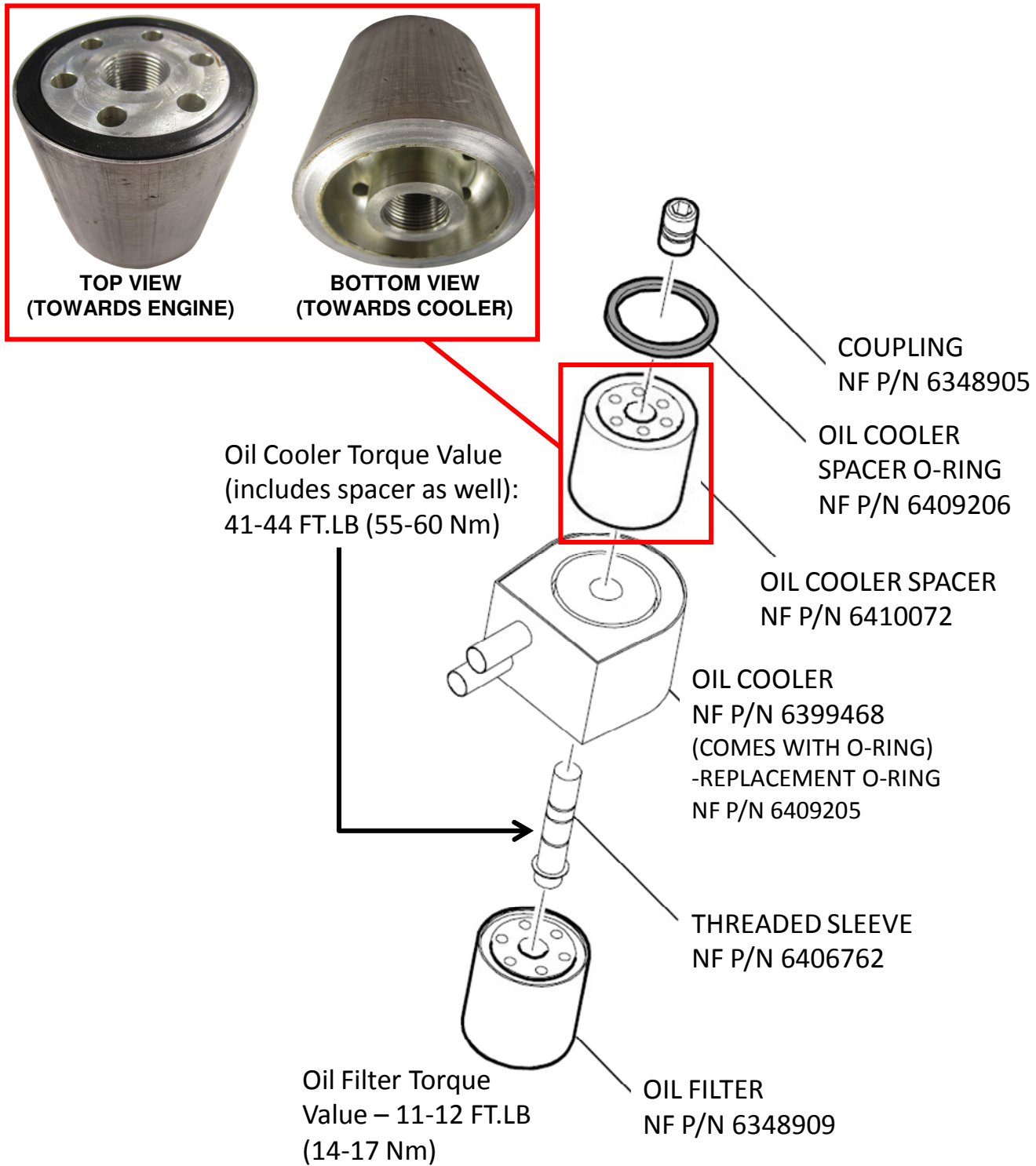


Figure 1: Engine Oil Cooler Assembly