



# Service Bulletin

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CMD 2005-08

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## Bravo One XR Released For Diesel Applications

### Models Affected:

Model	Serial Number
4.2 ES 250, 4.2 ES 270, and 4.2 ES 320	All

### Situation:

The purpose of this service bulletin is to announce the release of the Bravo One XR Sterndrive unit for diesel applications. This sterndrive has been approved for use with the 4.2 ES 250, 4.2 ES 270, and 4.2 ES 320 engines.

The Bravo One XR sterndrive offers the advantage of higher strength forged bevel gears in the upper gear set and an increased propeller shaft diameter measuring 31-3/4 mm (1-1/4 inch).

Refer to Sterndrive Service Manual Number 28 for service information and procedures on the Bravo One XR sterndrive.

### Option Numbers, Part Numbers, and Available Ratios

Option Number	CMD Part Number	MerCruiser Part Number	Ratio
RG9303	4931639	55E31900TS	1.35:1
RG9304	4931640	55E31200TS	1.50:1

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**Bravo One X Diesel and Bravo One XR Comparison**

<b>Features</b>	<b>Bravo One X Diesel</b>	<b>Bravo One XR</b>
Upper unit gear set	Precision shimmed assembly with near-net forged helical gears	Precision shimmed assembly with net forged bevel gears
Lower unit gear set	Precision shimmed assembly with net forged bevel gears	Precision shimmed assembly with net forged bevel gears and anodized billet bearing carrier
Propeller shaft material	Heat-treated stainless steel	Heat-treated stainless steel – larger 31-3/4 mm (1-1/4 in.) shaft for Bravo One
Required propeller hub type	Flo-Torq II hub	Flo-Torq II HD solid hub for 31-3/4 mm (1-1/4 in.) shaft
Housing construction	XK 360 low-copper alloy machined for large bearings	XK 360 low-copper alloy and 356 aluminum machined for larger bearings
Speedometer pickup	Integrated into lower housing	Integrated into lower housing; digital output optional
Trim hinge pin design	Permanently lubricated – no maintenance required	Heavy-duty permanently lubricated – no maintenance required
Weight	59 kg (130 lbs)	59 kg (130 lbs)

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