



parts bulletin



No. 99-6

Gearcase options for Mercury Racing outboards purchased without a gearcase

⚠ WARNING

Avoid serious injury or death from loss of boat control. Use Sport Master & Fleet Master gearcases without torque tabs only in multiple engine applications. For single engine applications always use Sport Master & Torque Master gearcases with torque tabs.

Production Models

225 PRO MAX L OFFSHORE

NOTE: Grayed in box represents normally offered standard model

Gearcase Model & P/N	Torque Tab	Ratio Available	Prop Rotation	Shaft Length	Water Pickup
Sport Master 1687-849780A28 1687-849781A28 1687-849781A64	Yes No No	1.62:1 1.62:1 1.62:1	RH RH LH	20 in. (508 mm) 20 in. (508 mm) 20 in. (508 mm)	Low Water Nose Cone
Sport Master 1687-849780A31 1687-849781A31 1687-849781A67	Yes No No	1.75:1 1.75:1 1.75:1	RH RH LH	20 in. (508 mm) 20 in. (508 mm) 20 in. (508 mm)	Low Water Nose Cone
Sport Master 1687-849780T34 1687-849781T34 1687-849781T70	Yes No No	1.87:1 1.87:1 1.87:1	RH RH LH	20 in. (508 mm) 20 in. (508 mm) 20 in. (508 mm)	Low Water Nose Cone

Production Models (continued)**300 PRO MAX L STANDARD***NOTE: Grayed in box represents normally offered standard model*

Gearcase Model & P/N	Torque Tab	Ratio Available	Prop Rotation	Use Driveshaft Assembly P/N 45-848832A1	Water Pickup
Torque Master 1689-849012T8	Yes	1.62:1	RH	20 in. (508 mm)	Side of G.C.
Torque Master 1687-849012T7	Yes	1.75:1	RH	20 in. (508 mm)	Side of G.C.
Sport Master 1688-840306T1 ¹	Yes	1.62:1	RH	20 in. (508 mm)	Low Water Nose Cone
1688-840307T1	No	1.62:1	LH	20 in. (508 mm)	
1688-840307T4	No	1.62:1	RH	20 in. (508 mm)	
Sport Master 1688-840306T2 ¹	Yes	1.75:1	RH	20 in. (508 mm)	Low Water Nose Cone
1688-840307T2	No	1.75:1	LH	20 in. (508 mm)	
1688-840307T5	No	1.75:1	RH	20 in. (508 mm)	

¹ To be used on single engine boats not likely used in offshore applications**300 PRO MAX XL STANDARD**

Gearcase Model & P/N	Torque Tab	Ratio Available	Prop Rotation	Use Driveshaft Assembly P/N 45-827755A1	Water Pickup
Fleet Master 1689-849107T4	No	1.75:1	RH	25 in. (635 mm)	Side of G.C.
1689-849107T5	No	1.75:1	LH	25 in. (635 mm)	

300 PRO MAX XL OFFSHORE

Gearcase Model & P/N	Torque Tab	Ratio Available	Prop Rotation	Use Driveshaft Assembly P/N 45-827755A1	Water Pickup
Sport Master 1688-840306T1	Yes	1.62:1	RH	25 in. (635 mm)	Low Water Nose Cone
1688-840307T1	No	1.62:1	LH	25 in. (635 mm)	
1688-840307T4	No	1.62:1	RH	25 in. (635 mm)	
Sport Master 1688-840306T2	Yes	1.75:1	RH	25 in. (635 mm)	Low Water Nose Cone
1688-840307T2	No	1.75:1	LH	25 in. (635 mm)	
1688-840307T5	No	1.75:1	RH	25 in. (635 mm)	
Fleet Master 1689-849107T4	No	1.75:1	RH	25 in. (635 mm)	Side of G.C.
1689-849107T5	No	1.75:1	LH	25 in. (635 mm)	

Race Models

2.5 EFI DRAG

Gearcase Model & P/N	Torque Tab	Ratio Available	Prop Rotation	Shaft Length	Water Pickup
Sport Master 1687-849780A27	Yes	1.62:1	RH	15 in. (381 mm)	Low Water Nose Cone
Sport Master 1687-849780A30	Yes	1.75:1	RH	15 in. (381 mm)	Low Water Nose Cone
Sport Master 1687-849780A33	Yes	1.87:1	RH	15 in. (381 mm)	Low Water Nose Cone
Sport Master 1687-849780A36	Yes	2:1	RH	15 in. (381 mm)	Low Water Nose Cone

2.5 OFFSHORE RACE

NOTE: Grayed in box represents normally offered standard model

Gearcase Model & P/N	Torque Tab	Ratio Available	Prop Rotation	Shaft Length	Water Pickup
Sport Master 1687-849780A27	Yes	1.62:1	RH	15 in. (381 mm)	Low Water Nose Cone
1687-849781A27	No	1.62:1	RH	15 in. (381 mm)	Low Water Nose Cone
1687-849781A63	No	1.62:1	LH	15 in. (381 mm)	Low Water Nose Cone
Sport Master 1687-849780A30	Yes	1.75:1	RH	15 in. (381 mm)	Low Water Nose Cone
1687-849781A30	No	1.75:1	RH	15 in. (381 mm)	Low Water Nose Cone
1687-849781A66	No	1.75:1	LH	15 in. (381 mm)	Low Water Nose Cone
Sport Master 1687-849780A33	Yes	1.87:1	RH	15 in. (381 mm)	Low Water Nose Cone
1687-849781T33	No	1.87:1	RH	15 in. (381 mm)	Low Water Nose Cone
1687-849781T69	No	1.87:1	LH	15 in. (381 mm)	Low Water Nose Cone
Sport Master 1687-849780A36	Yes	2:1	RH	15 in. (381 mm)	Low Water Nose Cone
1687-849781A36	No	2:1	RH	15 in. (381 mm)	Low Water Nose Cone
1687-849781A72	No	2:1	LH	15 in. (381 mm)	Low Water Nose Cone
Sport Master 1687-849780A28	Yes	1.62:1	RH	20 in. (508 mm)	Low Water Nose Cone
1687-849781A28	No	1.62:1	RH	20 in. (508 mm)	Low Water Nose Cone
1687-849781A64	No	1.62:1	LH	20 in. (508 mm)	Low Water Nose Cone
Sport Master 1687-849780A31	Yes	1.75:1	RH	20 in. (508 mm)	Low Water Nose Cone
1687-849781A31	No	1.75:1	RH	20 in. (508 mm)	Low Water Nose Cone
1687-849781A67	No	1.75:1	LH	20 in. (508 mm)	Low Water Nose Cone
Sport Master 1687-849780T34	Yes	1.87:1	RH	20 in. (508 mm)	Low Water Nose Cone
1687-849781T34	No	1.87:1	RH	20 in. (508 mm)	Low Water Nose Cone
1687-849781T70	No	1.87:1	LH	20 in. (508 mm)	Low Water Nose Cone
Sport Master 1687-849780A37	Yes	2:1	RH	20 in. (508 mm)	Low Water Nose Cone
1687-849781A37	No	2:1	RH	20 in. (508 mm)	Low Water Nose Cone
1687-849781A73	No	2:1	LH	20 in. (508 mm)	Low Water Nose Cone