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## 175 ProXS OptiMax 2.5 Liter Outboard (New Model)

### Models Affected

Models Covered	Serial Number
175 ProXS	1B516339 and above

### Situation

A 175 ProXS OptiMax 2.5 Liter outboard has been added to the product offering. It is similar to the current standard production 175 HP Optimax, but with enhanced performance. It will be offered only with a 50.8 cm (20 in.) and 63.5 cm (25 in.) shaft length right hand rotation gearcase.

### Engine Specifications

Wide open throttle RPM range	5500 - 6000
Rev limit RPM	6300
Fuel rail air pressure	95 psi $\pm$ 2 psi
Fuel rail fuel pressure	110 psi $\pm$ 2 psi
Spark plug	NGK IZFR6J

All other specifications are the same as the current standard production 175 OptiMax outboard. For repair procedures use the current 115/135/150/175 OptiMax Service Manual 90-859494R1. This manual will be revised to include 175 ProXS information.

### Product Changes

- Different crankcase cover to allow for the use of wider five petal reed blocks.
- Fiber reeds.
- Different piston ring package for reduced friction.
- Crankshaft has nine sealing rings versus seven on the standard 175.
- MultiStrike ignition system.
- Port fuel rail is no longer water-cooled.
- Water by-pass hose from top of cylinder block to poppet valve cover has been removed.
- Water deflectors added to cylinder liner cooling passages.
- Gray direct injector with narrow spray patterns.
- New PCM calibration.

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## Accessories

All accessories listed for the current standard 175 OptiMax engine are compatible with this new model.

## Propeller Information Chart

This new model uses the same propeller styles and types as the standard 175 OptiMax. Propeller information chart shown below applies to the new 175 ProXS with the higher wide open throttle (WOT) range of 5500 - 6000 RPM.

Diameter	Pitch	No. of Blades	Approx. Gross Boat Wgt. (lbs)	Approx. Boat Length	Speed Range (mph)	Propeller Part Number	Propeller Style
13.75"	27	4	Up to 2100	Up to 18'	68-76	48-825946A46	Trophy Plus
14.62"	27	3	Up to 2100	Up to 18'	68-76	48-825868A47	Tempest Plus
13.75"	26	4	Up to 2200	Up to 19'	66-73	48-825868A47	Trophy Plus
14.62"	26	3	Up to 2200	Up to 19'	66-73	48-825874A47	Tempest Plus
13.75"	25	3	2100-2300	17-20'	63-70	48-16550A46	Laser II
13.75"	25	4	2100-2300	17-20'	63-70	48-825942A47	Trophy Plus
14.62"	25	3	2100-2300	17-20'	63-70	48-825866A47	Tempest Plus
13.25"	25	5	2100-2300	17-20'	63-70	48-816374A46	Hi-Five
13.38"	25	3	2100-2300	17-20'	63-70	48-16322A46	Vengeance
13.75"	24	4	2200-2500	18-20'	60-67	48-825940A47	Trophy Plus
14.62"	24	3	2200-2500	18-20'	60-67	48-825872A47	Tempest Plus
13.75"	23	3	2300-2500	19-21'	58-64	48-16548A46	Laser II
13.75"	23	4	2300-2500	19-21'	58-64	48-825938A47	Trophy Plus
14.62"	23	3	2300-2500	19-21'	58-64	48-825864A47	Tempest Plus
13.25"	23	5	2300-2500	19-21'	58-64	48-815762A46	Hi-Five
14.62"	23	4	2300-2500	19-21'	58-64	48-857030A46	Revolution 4
14.00"	23	4	2300-2500	19-21'	58-64	48-825906A48	VenSura
13.5"	23	3	2300-2500	19-21'	58-64	48-16320A46	Vengeance
13.50"	22	3	2400-2700	19-22'	55-61	48-899202A46	Enertia
13.88"	21	3	2500-2900	19-22'	52-58	48-16546A46	Laser II
13.75"	21	4	2500-2900	19-22'	52-58	48-825934A47	Trophy Plus
14.62"	21	3	2500-2900	19-22'	52-58	48-825862A47	Tempest Plus
13.62"	21	3	2500-2900	19-22'	52-58	48-899002A46	Enertia
13.25"	21	5	2500-2900	19-22'	52-58	48-815760A46	Hi-Five
14.62"	21	4	2500-2900	19-22'	52-58	48-857028A46	Revolution 4
14.00"	21	4	2500-2900	19-22'	52-58	48-825902A48	VenSura
13.75"	21	3	2500-2900	19-22'	52-58	48-16318A46	Vengeance
13.75"	20	3	2700-3100	19-23'	49-55	48-899000A46	Enertia
14"	19	3	2900-3300	20-23'	46-52	48-16544A46	Laser II
14.62"	19	3	2900-3300	20-23'	46-52	48-825860A47	Tempest Plus
14"	19	3	2900-3300	20-23'	46-52	48-898998A46	Enertia

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Diameter	Pitch	No. of Blades	Approx. Gross Boat Wgt. (lbs)	Approx. Boat Length	Speed Range (mph)	Propeller Part Number	Propeller Style
15.25"	19	3	2900-3300	20-23'	46-52	48-13700A46	Mirage Plus
13.25"	19	5	2900-3300	20-23'	46-52	48-815758A46	Hi-Five
14.62"	19	4	2900-3300	20-23'	46-52	48-857026A46	Revolution 4
14.00"	19	4	2900-3300	20-23'	46-52	48-825900A48	VenSura
14"	19	3	2900-3300	20-23'	46-52	48-16316A46	Vengeance
14.25"	18	3	3100-3600	20-23'	43-49	48-898996A46	Enertia
14.50"	17	3	3300-4000	21-24'	39-46	48-898994A46	Enertia
15.5"	17	3	3300-4000	21-24'	39-46	48-18278A46	Mirage Plus
13.5"	17	5	3300-4000	21-24'	39-46	48-821154A46	Hi-Five
14.62"	17	4	3300-4000	21-24'	39-46	48-857024A46	Revolution 4
14.50"	17	4	3300-4000	21-24'	39-46	48-825898A48	VenSura
14.5"	17	3	3300-4000	21-24'	39-46	48-16314A46	Vengeance

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