

3.5-8 HORSEPOWER

Non-Thru Hub Exhaust & 9 Tooth / Pin Drive

3.5 HP.....	1982-1984	5 HP.....	1987-1998	7 HP.....	1968-1988
4 HP.....	1977-1987	6 HP.....	1975-1981	7.5 HP.....	1979-1984
4.4 HP.....	1968-1988	6.6 HP.....	1968-1988	8 HP.....	1975-1978

Boat Description/ Length	MICHIGAN MATCH						 072123	Rubber Hub Bushing
	ALUMINUM PROPELLERS							
	Dia.	Rot.	Pitch	Bld #	OEM Part #	Part #		
Standard Replacement	7-1/4	R	5-1/2	3	48-FP488	072123		



072123

6-10 HORSEPOWER

Non-Thru Hub Exhaust & 14 Tooth / Pin Drive

6 & 10 HP Sailor.....	1976-1977	Sailor 180.....	1979-1984	Sailor 280.....	1979
Sailor 150.....	1978	Sailor 250.....	1979-1984		

Boat Description/ Length	MICHIGAN MATCH						 072014	Rubber Hub Bushing
	ALUMINUM PROPELLERS							
	Dia.	Rot.	Pitch	Bld #	OEM Part #	Part #		
SB	10-3/8	R	10	3	FP-278	072014		



072014

9.9-15 HORSEPOWER

Thru Hub Exhaust & 8 Tooth Spline

9.9 HP.....	1996-1998	15 HP.....	1996-1998
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Boat Description/ Length	MICHIGAN MATCH							Rubber Hub Bushing
	ALUMINUM PROPELLERS							
	Dia.	Rot.	Pitch	Bld #	OEM Part #	Part #		
16'-20' - AL	9-1/4	R	7	3	48-828152A12	032056		
14'-20' - AL	9	R	8	3	48-828154A12	032053		
14'-18' - AL	9	R	9	3	48-828156A12	032052		
14'-16' - AL	9	R	10-1/2	3	48-828158A12	032050		



032056

25 HORSEPOWER • 3" GEARCASE

Thru Hub Exhaust & 10 Tooth Spline • **[I]** MUST use Gearcase Adapter Ring supplied with propeller.

25 HP 3 Cyl.....	1995-1998
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	MICHIGAN VORTEX						Drop-In Hub Use XHS® Hub Kit 120 ! MUST USE GEARCASE ADAPTER RING SUPPLIED WITH PROPELLER.
Boat Description/ Length	ALUMINUM - E SERIES PROPELLERS						
	Dia.	Rot.	Pitch	Bld #	OEM Part #	Part #	
	10-1/2	R	9	3		992501	
	10-1/2	R	10	3		992502	
15'-19' - AL	10-1/2	R	11	3	48-19638A40	992503	
15'-17' - AL	10-1/8	R	12	3		992504	
13'-15' - LL	10-1/8	R	13	3	48-19640A40	992505	
Up to 14' - LL	10-1/8	R	14	3		992506	

991244 - Gearcase Adapter Rings



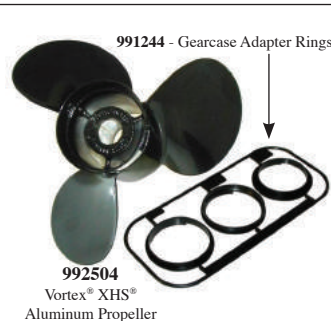
992504
Vortex® XHS®
Aluminum Propeller

031048



031049





992504
Vortex® XHS®
Aluminum Propeller



031048

031049

Boat Description/ Length	MICHIGAN MATCH						Rubber Hub Bushing	MICHIGAN BALLISTIC						Drop-In Hub Use XHS® Hub Kit 120 
	ALUMINUM PROPELLERS							STAINLESS STEEL - E SERIES PROPELLERS						
	Dia.	Rot.	Pitch	Bld #	OEM Part #	Part #		Dia.	Rot.	Pitch	Bld #	OEM Part #	Part #	
15'-19'	10-3/8	R	11	3	48-19638A40	031049								
13'-15'	10-3/8	R	13	3	48-19640A40	031048								
Up to 14'														

Note: * May interfere with trim tab.

20-60 HORSEPOWER

Non-Thru Hub Exhaust & 14 Tooth / Pin Drive • Will fit Sailor 6-10 HP engines, as required for RPM

20-25 HP.....	1979-1981	40 HP.....	1992-1994	55 HP ♦♦.....	1966-1983
30 HP.....	1966-1976	45 HP.....	1966-1984	60 HP ♦♦.....	1966-1975
35 HP.....	1966-1991	50 HP.....	1982-1994		

Boat Description/ Length	MICHIGAN MATCH						 072014	Rubber Hub Bushing
	ALUMINUM PROPELLERS							
	Dia.	Rot.	Pitch	Bld #	OEM Part #	Part #		
CR, HB, SB	10-3/8	R	10	3	48-819337A40	072014		
17'-19' - AL, SK	10-3/8	R	11-1/2	3	48-819336A40	072131		
16'-17' - AL, SK	10-3/8	R	12-1/2	3	48-819335A40	072132		
14'-16' - AL, SK	10-3/8	R	13-1/2	3	48-819334A40	072133		

40-75 HORSEPOWER • 3-1/4" GEARCASE

Thru Hub Exhaust & 13 Tooth Spline

40 HP.....	1995-1998	70 HP.....	1991-1995	75 HP.....	1996-1998
50 HP.....	1995-1998				

MICHIGAN VORTEX										MICHIGAN APOLLO									
ALUMINUM - D SERIES PROPELLERS										STAINLESS STEEL - D SERIES PROPELLERS									
3-BLADE				LG. DIAMETER 3-BLADE				4-BLADE											
Dia.	Rot.	Pitch	Part #	Dia.	Rot.	Pitch	Part #	Dia.	Rot.	Pitch	Part #	Dia.	Rot.	Pitch	Bld #	OEM Part #	Part #		
								11-1/2	R	8	992401								
				12-1/4	R	9	992601	11-1/2	R	9	992402								
				11-3/4	R	10	992602	11-1/2	R	10	992403								
10-3/8	R	11	992404	11-5/8	R	11	992603	4-BLADE											
10-3/8	R	12	992405	11-3/8	R	12	992604	10-5/8	R	12	941212	10-3/4	R	12	3		993405		
10-3/8	R	13	992406	11-1/8	R	13	992605	10-3/8	R	13	941213	10-1/2	R	13	3		993406		
10-3/8	R	14	992407	11-1/4	R	14	992606	10-1/8	R	14	941214	10-3/8	R	14	3		993407		
10	R	15	992408					10-1/8	R	15	941215	10-1/8	R	15	3		993408		
10	R	16	992409																

Drop-In Hub

Use XHS® Hub Kit

114

Refer to Pages 55-56 for Details on Hub Kit Components.

Drop-In Hub

Use XHS® Hub Kit

114

Refer to Pages 55-56 for Details on Hub Kit Components.

Rubber Hub Bushing

Drop-In Hub

Use XHS® Hub Kit

114

Refer to Pages 55-56 for Details on Hub Kit Components.

Key to Abbreviations: LL = Light Loads; SB = Sailboat; AL = All Loads; SK = Skiboat; WB = Workboat; HB = Houseboat; CR = Cruisers; HL = Heavy Loads; WD = Weedless

♦♦ Two-piece lower unit.

75-140 HORSEPOWER • SINGLE EXHAUST UNITS ❖ (SEE BELOW)

Non-Thru Hub Exhaust & 15 Tooth Spline

75 HP Std. & Charger	1980-1984	105 HP	1977-1978; 1982	135 HP	1977
85 HP Std. & Charger	1978-1989	115 HP Std. & Charger	1978-1984	140 HP	1978-1984
90 HP	1983-1984	120 HP	1977		
100 HP	1979-1984	125 HP	1977; 1982; 1985-1989		

Boat Description/ Length	MICHIGAN MATCH								Rubber Hub Bushing
	ALUMINUM PROPELLERS								
	Dia.	Rot.	Pitch	Bld #	OEM Part #	Part #			
16'-17' - AL, SK	13-1/8	R	15	3	FPS519	072055			
14'-16' - AL, SK	13-1/4	R	17	3	FPS623	072107			
14'-16' - LL	13	R	19	3	FPS625	072108			

85-150 HORSEPOWER • DUAL EXHAUST UNITS • 4-1/4" GEARCASE (SEE BELOW)

Thru Hub Exhaust & 15 Tooth Spline

85 HP	1988-1989	120 HP	1990-1994	150 HP	1989-1994
90 HP	1990-1994	120 HP L-Drive	1989-1991	150 HP L-Drive	1991
90 HP L-Drive	1989-1991	125 HP	1988-1989		

MICHIGAN VORTEX									
3-BL ALUMINUM - B SERIES					4-BL ALUMINUM - B SERIES				
Dia.	Rot.	Pitch	Bld #	Part #	Dia.	Rot.	Pitch	Bld #	Part #
14	R	10	3	 992109					
14	R	11	3	 992111	13-7/8	R	11	4	941411
14	R	13	3	 992112	13-7/8	R	13	4	941413
13-3/4	R	15	3	 992113	13-3/8	R	15	4	941415
13-1/4	R	17	3	 992114	13	R	17	4	941417
13	R	19	3	 992115	12-1/2	R	19	4	941419
12-3/4	R	21	3	992116					

Drop-In Hub

Use XHS II® Hub Kit

202

Do NOT use Gearcase Adapter Ring supplied with propeller.



941417



071036

Boat Description/ Length	MICHIGAN MATCH						
	ALUMINUM PROPELLERS						
	Dia.	Rot.	Pitch	Bld #	OEM Part #	Part #	
17'-22' - AL, SK	13-1/2	R	15	3	48-FP669-1	* 071035	
17'-22' - AL, SK	13-1/2	R	15	3	48-FP692-1	072127	
16'-20' - AL, SK	13-1/2	R	17	3	48-FP685-1	* 071036	
16'-20' - AL, SK	13-1/2	R	17	3	48-FP685-1	072128	

Rubber Hub Bushing

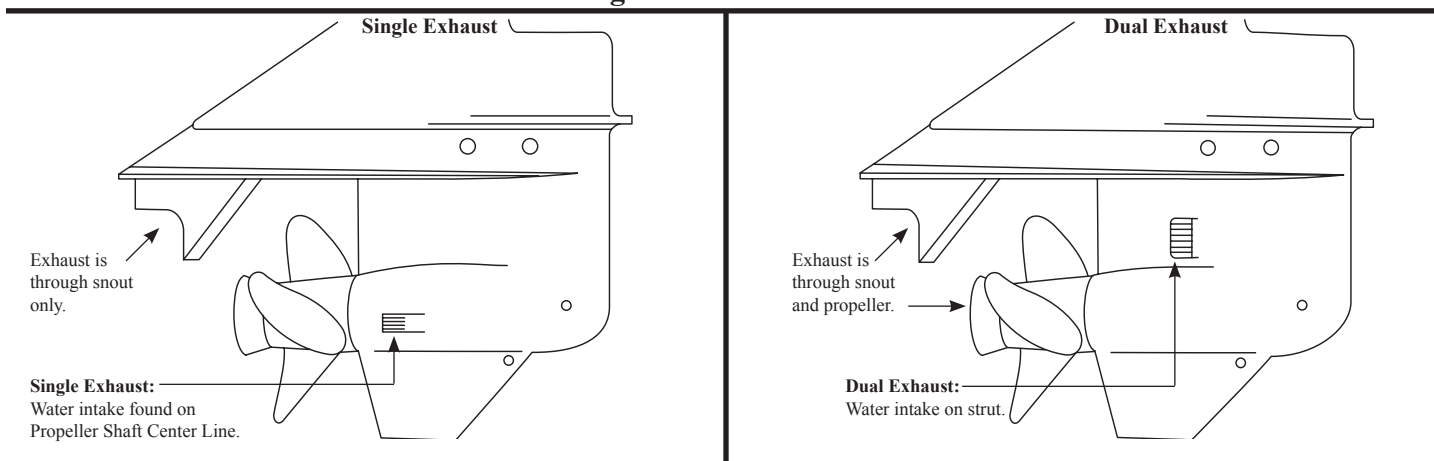


072128



072127

Single vs. Dual Exhaust



Key to Abbreviations: LL = Light Loads; SB = Sailboat; AL = All Loads; SK = Skiboat; WB = Workboat; HB = Houseboat; CR = Cruisers; HL = Heavy Loads; WD = Weedless

* If currently using uncupped propeller, use cupped propeller having 2" less pitch. Boats with power trim use same pitch.

75-150 HORSEPOWER • USING MERCURY 4-1/4" GEARCASE (SEE BELOW)

Thru Hub Exhaust & 15 Tooth Spline

75 HP 1999
90 HP 1995 & Newer
90 HP L-Drive 1990-1991

120 HP 1995 & Newer
120 HP L-Drive 1990-1991

150 HP 1989-1994
150 HP L-Drive 1991

MICHIGAN VORTEX

3-BL ALUMINUM - B SERIES

Dia.	Rot.	Pitch	Bld #	Part #
14	R	10	3	992109
14	R	11	3	992111
14	R	13	3	992112
13-3/4	R	15	3	992113
13-1/4	R	17	3	992114
13	R	19	3	992115
12-3/4	R	21	3	992116

4-BL ALUMINUM - B SERIES

Dia.	Rot.	Pitch	Bld #	Part #
13-7/8	R	11	4	941411
13-7/8	R	13	4	941413
13-3/8	R	15	4	941415
13	R	17	4	941417
12-1/2	R	19	4	941419

Drop-In
Hub

Use
XHS II®
Hub Kit

202

USE Gearcase
Adapter Ring
supplied with
propeller.

Refer to
Pages 55-56
for Details
on Hub Kit
Components.

MICHIGAN APOLLO

STAINLESS STEEL - B SERIES PROPELLERS

Dia.	Rot.	Pitch	Bld #	OEM Part #	Part #
13-3/8	R	15	3		993143
13-3/8	L	15	3		993153
13-1/4	R	17	3		993144
13-1/4	L	17	3		993154
13-1/8	R	19	3		993145
13-1/8	L	19	3		993155
13	R	21	3		993146
13	L	21	3		993156

Drop-In
Hub

Use
XHS II®
Hub Kit

202

USE Gearcase
Adapter Ring
supplied with
propeller.

Refer to
Pages 55-56
for Details
on Hub Kit
Components.

MICHIGAN MATCH

ALUMINUM PROPELLERS

Boat Description/ Length	Dia.	Rot.	Pitch	Bld #	OEM Part #	Part #
25' & Up - AL	14	R	10	3		031061
25' & Up	14	R	11	3	48-77338A45	031254
22' & Up	14	R	13	3	48-77340A45	031055
19'-24' - AL	13-1/2	R	15	3	48-77342A45	031041
17'-20' - AL, SK	13-1/4	R	17	3	48-77344A45	031142
16'-19' - AL	13	R	19	3	48-77346A45	031043
15'-18' - AL	12-3/4	R	21	3	48-77348A45	031044
Up to 17' - LL	12-1/2	R	23	3	48-77350A45	031045

Rubber
Hub
Bushing

MICHIGAN BALLISTIC

STAINLESS STEEL - B SERIES PROPELLERS

3-BLADE BALLISTIC					3-BLADE BALLISTIC XL				
Dia.	Rot.	Pitch	Bld #	Part #	Dia.	Rot.	Pitch	Bld #	Part #
13-5/8	R	15	3	933415					
13-1/2	R	17	3	933417					
13-3/8	R	19	3	933419					
13-1/8	R	21	3	933421	13-1/2	R	22	3	953422
					13-1/2	R	24	3	953424

Drop-In
Hub

Use
XHS II®
Hub Kit

202

USE Gearcase
Adapter Ring
supplied with
propeller.

Refer to
Pages 55-56
for Details
on Hub Kit
Components.

Note: * Requires Michigan Wheel high performance trim tab P/N 990404.



031142



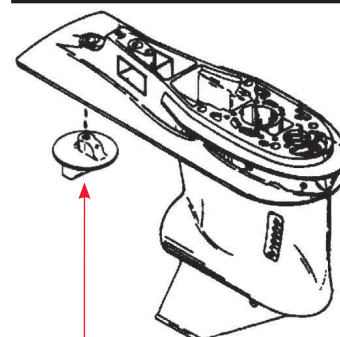
031043



990404



Force Using Mercury Gearcase



Exhaust is through
propeller only.
No exhaust snout,
trim tab only.

Key to Abbreviations: LL = Light Loads; SB = Sailboat; AL = All Loads; SK = Skiboat; WB = Workboat; HB = Houseboat; CR = Cruisers; HL = Heavy Loads; WD = Weedless

* Limited Inventory Item.

For all units 1995 & Newer. Requires thrust washer 13191A1.