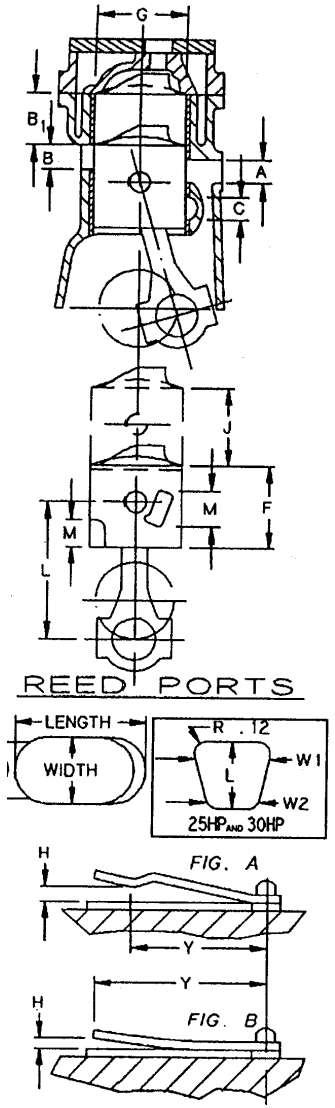
Date: 2-25-2015
Model Year:

RACE CLASS: SST-60



MANUFACTURER						OMC		
ADVERTISED SALES NAME						JOHNSON / EVINRUDE SST-60		
CLASS; DISPLACEMENT MAX					in^3	SST-60; 56.1		
NUMBER OF CYLINDERS						3		
MIN. VOLUME OF COMBUSTION CHAMBER (INC'L SPARK PLUG HOLE)					cm^3	28.5		
CARBURETOR		VENTURI		± .015	in	1.250		
		BORE		±. .015	in	1.500		
		QUANTITY PER ENGINE				3		
POWERHEAD SPECIFICATIONS	G	CYLINDER BORE		± .005	in	3.187	+.030 OEM Piston	Approved
	J	PISTON STROKE		±. .011	in	2.344		
	L	ROD LENGTH		± .006	in	4.000		
	K	DECK HEIGHT		±. .012	in	6.375	6.363 Min	
	F	PISTON LENGTH		±. .030	in	2.600		
	M	PORT HEIGHT		±. .030	in	2 @ 1.220		
	NUMBER OF PORTS PER CYLINER	A	TRANSFER			3		
		B	EXHAUST			2		
		C	PISTON			--		
	PORT HEIGHT	A	TRANSFER	± .035	In	2 @ 0.545; 1 @ 6.15		
		B	EXHAUST	± .035	In	.918 (plus chamfer)		
		B_1	EXHAUST	± .035	In	1.485	1.393 min. to Chamfer	See note # 3
		C	PISTON	± .035	In	--		
	PORT TIMING	A	TRANSFER	± 2°	ATC	2 @ 118°; 1 @ 120°	See note # 4	
		B	EXHAUST	± 2°	ATC	94°		
		C	PISTON	± 2°	ATC	--		
	REED BLOCK (ONE CYLINDER)	# OF PORTS				6		
		LENGTH x WIDTH SIZE OF PORTS		MAX	In	1.42x0.675	See note # 5	
		REED MAT'L						
		REED THICKNESS		±.001	In	.010 Steel or Blue 2 Stage Glass	See note # 6	
		H	REED STOP HGT.	MAX	In	.280	See notes # 2 & # 6	
		Y	CHECKING DIS.	±.030	In	1.460		
	WEIGHT (ONE SET)	FLYWHEEL		MIN	Lbs	10.0		
		PISTONS, RINGS, ROD, WRIST PIN, SPACERS, BEARINGS		MIN	Lbs	1.75		

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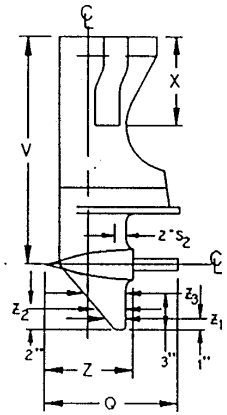

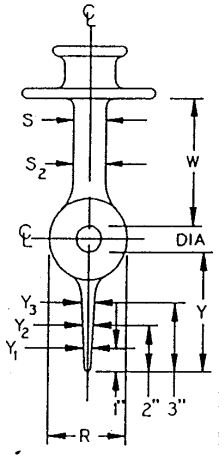

MANUFACTURER					OMC		
GEARCASE MODEL IDENTIFICATION					GR-39M		
ADVERTISED SALES NAME					JOHNSON / EVINRUDE SST-60		
GEARCASE SPECIFCATIONS	GEAR RATIO				15:28		
	X	EXHAUST TUBE LENGTH- POWERHEAD BASE TO PRIMARY TUBE END	± .25	in	7.69		
	Q	TORPEDO LENGTH (W/ PROPSHAFT)	MAX	in	19.3		
	R	TORPEDO WIDTH	MIN	in	3.30		
	S	STRUT WIDTH	MIN	in	1.5		
	S_2	STRUT WIDTH (2" FORWARD OF TRAILING EDGE	MIN	in	--		
	W	DIS. FROM PROPSHAFT TO CAVITATION PLATE	± .2	in	6.25		
	Y	LENGTH OF SKEG FROM PROPSHAFT	± .2	in	6.40		
	Z	TORPEDO LENGTH	± .2	in	14.125		
	V	PROPSHAFT CENTERLINE TO POWERHEAD BASE — LONG SHAFT	± .2	in	--		
		PROPSHAFT CENTERLINE TO POWERHEAD BASE — SHORT SHAFT	± .2	in	23.5		
	Y_1	SKEG THICKNESS	MIN	in	.16	See note # 10	
	Y_2	SKEG THICKNESS	MIN	in	.200	See note # 10	
	Y_3	SKEG THICKNESS	MIN	in	.240	See note # 10	
	Z_1	SKEG CORD LENGTH	± .2	in	4.90	See note # 10	
	Z_2	SKEG CORD LENGTH	± .2	in	5.80	See note # 10	
	Z_3	SKEG CORD LENGTH	± .2	in	6.60	See note # 10	
	DIA	PROPSHAFT DIA	± .01	in	.875		

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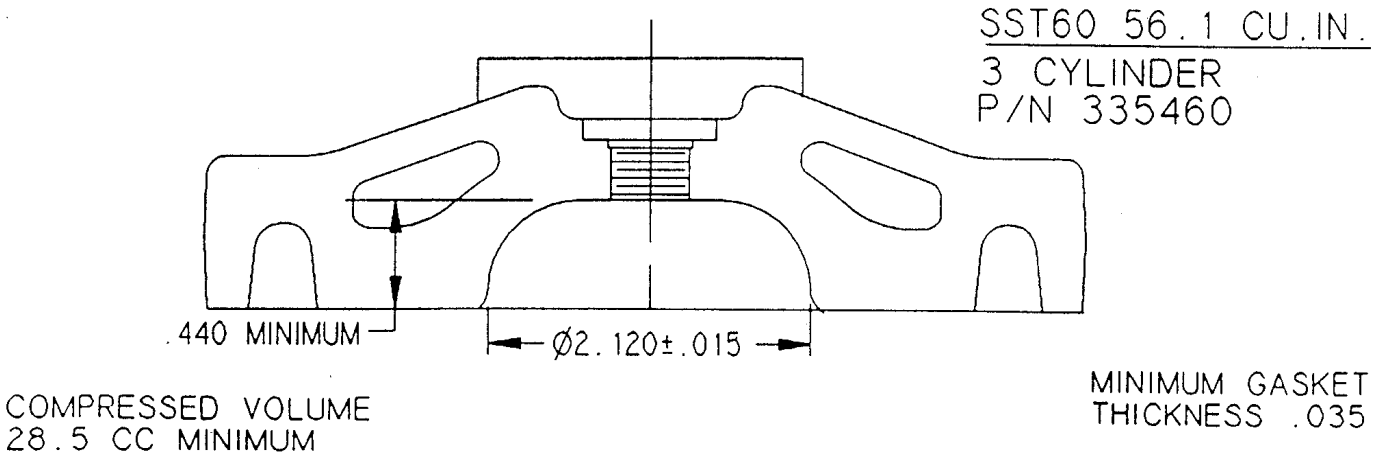
SST-60 NOTES

1. Head:



2. Incorporates .012 shims under one or both reed stops.
3. Ports are machined at timing edge. Cylinder passages are as cast and may have mismatch at sleeve. B_1 dimension to top of chamfer = 1.393 minimum.
4. Port timing tolerance on boost port = +4° / -2°
5. Dimensions for center port =1.450 long x .675 wide (maximum).
6. Standard SST 60 reed is steel .010 thick and reed stop height is H=.280 maximum.
   Alternate reed for SST-60 may be used: OMC P/N 568428, bottom reed = .028±.003; top reed .017±.003, H = .300 maximum.
7. Early production piston length is 2.500±.030.
8. Water pump: A plastic outer with 1 piece steel inner utilizes a 3 blade impeller, while the 2 piece steel inner utilizes a 6 blade impeller.
9. SST-60 may or may not have two through holes in the piston at the exhaust bridge for oiling.
10. Or per OMC P/N 568295 Templet Kit.
11. Can only use Foam Mold block.
12. RaPair replacement ignition parts are approved P/N: Stator – 173-3724, Trigger – **113-3378**, Rectifier – 153-3408, Coil – 183-2508, Power Pack 113-2115.
13. For ease of inspection, see table below for measuring ports from the Top Deck to the Top of the Ports.

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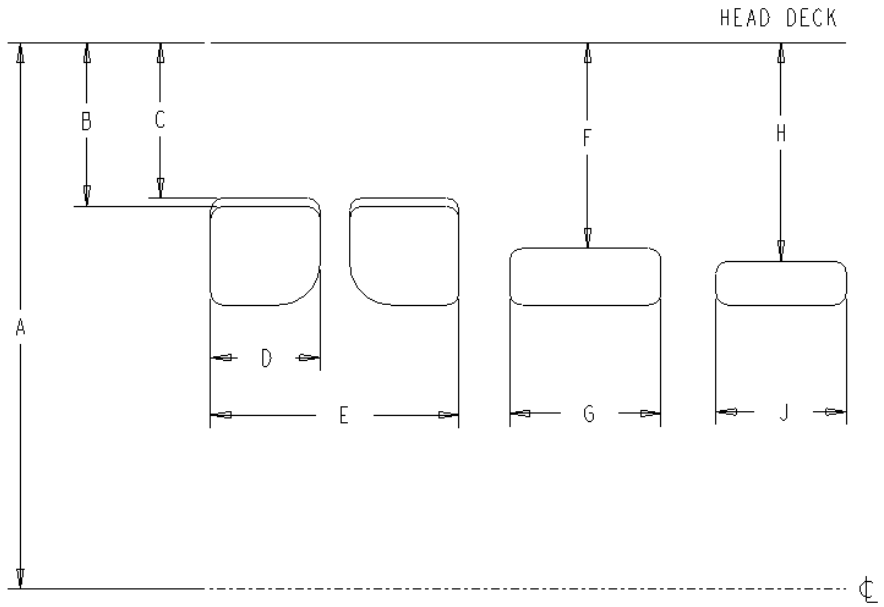
SST-60 NOTES



	Port Measurements from Block Top Deck down to Top of Port			
	SST 60	Minimum	Maximum	
		Inches	Inches	
A	Deck Height	6.363	6.387	
B	Exhaust Port	1.450	1.520	
C	Exhaust Port Chamfer	1.393	1.465	
D	Exhaust Port Width per port		1.075	
E	Exhaust Port Width overall			
F	Transfer Port	1.825	1.890	
G	Transfer Width		1.580	
H	Boost Port	1.860	1.950	
J	Boost Port Width		1.255	

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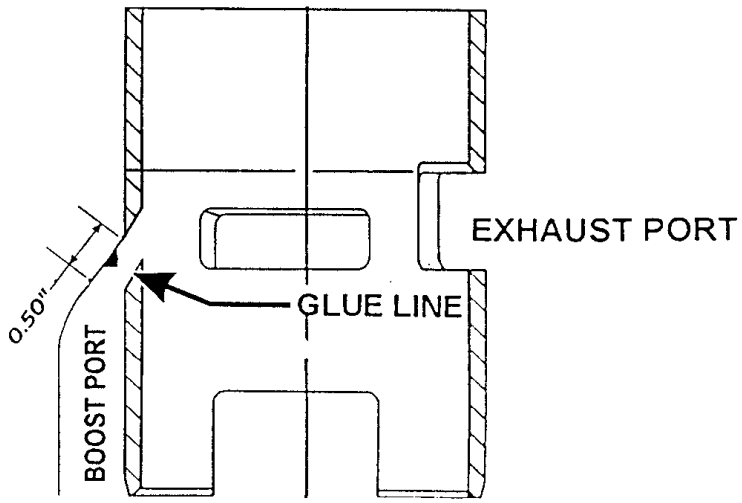
14. Liner:



It is allowable to remove the glue line in the casting of the Boost Port only as diagramed. The cas aluminum surface may be ground to match up with the machined edge of the sleeve. You are allowed to grind back into the Boost Port ½ inch on all sides. If grind marks extend past ½ inch into the port, your motor will be illegal. The intent is to remove<u>only</u> the glue line and the mismatch with the sleeve, the port shape and angle are to remain stock appearing. The sleeve cannot be altered or modified in any way

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SST 60 Technical Standards

Max. Total Cu. In. Displacement	Minimum Boat Length	Minimum Boat Weight
56.1 (920cc)	14'	825 Lbs.

Minimum Age requirements 16

	Total Cu. Ft. of Foam in Boat, Including Cockpit	Cu. Ft. of Foam in Reinforced Cockpit Structure, If So Equipped
SST 60	5.5 CF	3.5 CF

SST 60 Boat Standards (see also Rule 18)

(1) Any design of boat including bottom, deck, cockpit openings and seating arrangements shall be permissible so far as boat meets minimum length.

(2) Power trim and/or adjustable spoilers shall be allowed in SST 60 classes.

(3) SST 60 classes can change engine wiring to allow 24-volt starting system.

SST 60 Motor Standards (see also Rule 20)

(1) All cowling and engine graphics and colors shall be essentially the same as OEM, with updating to later models allowed only as a complete OEM design.

(2) The SST 60 classes' gearcases may have their outside surfaces contoured, however they must meet the requirements of the OPC Engine Specification sheets (only). The outside surfaces of the gearcases may be either painted or unpainted. If they are painted, the color of the paint must be the same as the original factory motor color. If the gearcases are unpainted, any surface finished is acceptable.

(3) SST 60 class may use alternate plastic reeds - OMC part number 568428.

(4) SST 60 class may replace up to three sleeves with OMC replacement sleeves or Advanced sleeves.

(5) Glue line may be removed on "Boost Port" only. (The Motor Technical Committee established the specifications printed on the inspection sheet).

Revisions:

Rev: 02.25.15 Part number correction, Note #12, trigger part number corrected to 133-3378.