## 1966 EVINDE SERVICE MANUAL

SKI-TWIN
SKI-TWIN ELECTRIC

33 нр

MODELS 33602 33603 33652 33653

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## **SPECIFICATIONS**

<u> </u>	AIIUNS		
Model Numbers	33602 - Standard length (15" transom) 33603-5" longer	Propeller gear ratio	12:21
	(20" transom) 33652 - Standard length (15" transom)	Propeller drive pin	Part Number 304575, 1/4" x 1-15/32" stainless steel
	33653-5" longer (20" transom)	Propeller	10-3/8" diameter x 12-1/2" pitch 3 blade
*Horsepower (O.B.C certified)	33 hp at 4500 rpm	Speed control	Knob on steering bracket or re- mote control. Synchronized throttle and spark
Full throttle operating range	4000 to 5000 rpm	Gear shift control	Forward, neutral, and reverse
Engine type	2 cylinder, 2 cycle	Weight (without fuel	Model 33602 - 127 lbs. Model 33603 - 131 lbs.
Bore and stroke	3-1/16" bore x 2-3/4" stroke	tank)	Model 33652 - 140 lbs. Model 33653 - 144 lbs.
Piston displace- ment	40.5 cubic inches	ı	(Fuel tank weight 12 pounds net)
Digton wing gots (	y man got)	Fuel capacity	6 gallons, suction type tank
	Part Number 378436 Part Number 378437	Starter	Ski-Twin - Simplex self-winding Ski-Twin Electric - Electric
.040" oversize	Part Number 378438	Ignition	Flywheel magneto
Diameter of ring	3.0625 in. (standard)	-9	
Width of ring	.09350925 in.	Spark plug	AC-M42K, Champion J4J, Auto- Lite A21X - 14mm
Lbs. compression recommended when com- pressed	6 to 9 lbs.	Spark plug gap	.030 inch
		Spark plug torque	20 - 20-1/2 foot-pounds
Piston less rings standard	Part Number 380039		
.020" oversize .040" oversize	Part Number 380557 Part Number 380558	Breaker point gap	.020 inch
Crankshaft size top journal center journal	1.2500 - 1.2495 1.00009995	Condenser capacity	.2529 mfd.
bottom journal Connecting rod	1.00009995 1.1828 - 1.1823 in.	Carburetion	Single barrel, float feed, high - and low-speed adjustments, manual choke or electric
crank pin	1.1020 - 1.1020 III		choke
Cooling system	Centri-matic (combination posi- tive displacement and centif- ugal)	Float level setting	Flush with rim of casting
		Inlet needle seat	.065062 Use #52 drill as gage

<sup>\*</sup>Horsepower established at sea level. Allow 2% reduction per 1000' above sea level.

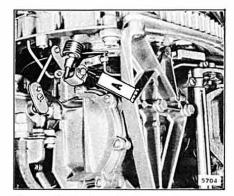


Figure 2-3. Cam Follower Linkage and Locking Lever

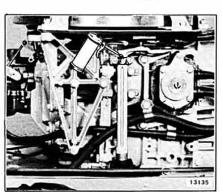


Figure 2-4. Throttle Shaft
Bearing and
Magneto Linkage

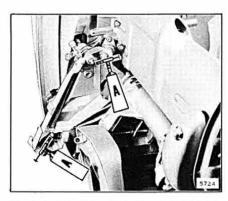


Figure 2-5. Throttle Shaft Bushings and Gears

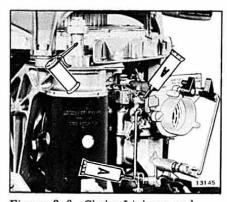


Figure 2-6. Choke Linkage and Starter Pinion Gear Shaft

## LUBRICATION POINTS

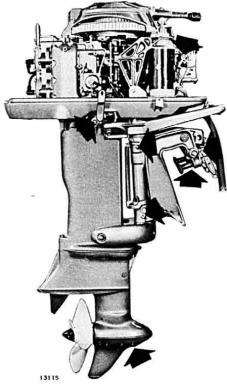


Figure 2-1. Starboard Side, Ski-Twin Electric

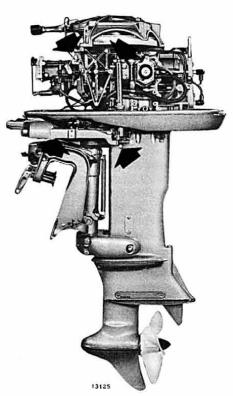


Figure 2-2. Port Side, Ski-Twin

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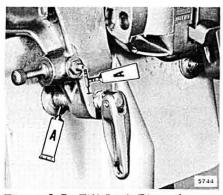


Figure 2-7. Tilt Lock Pin and Clamp Screws

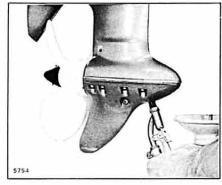


Figure 2-8. Gearcase

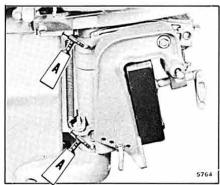


Figure 2-9. Swivel Bracket Fittings and Reverse Lock

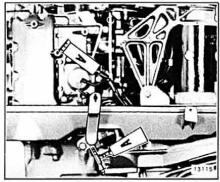


Figure 2-10. Gear Shift Lever Shaft and Lockout