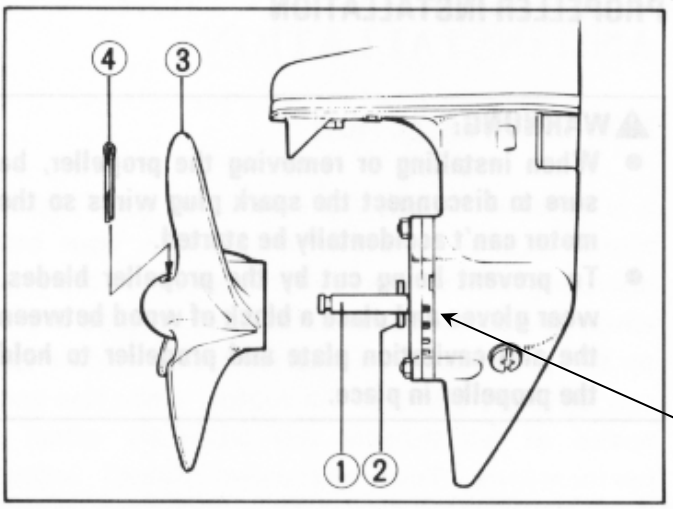
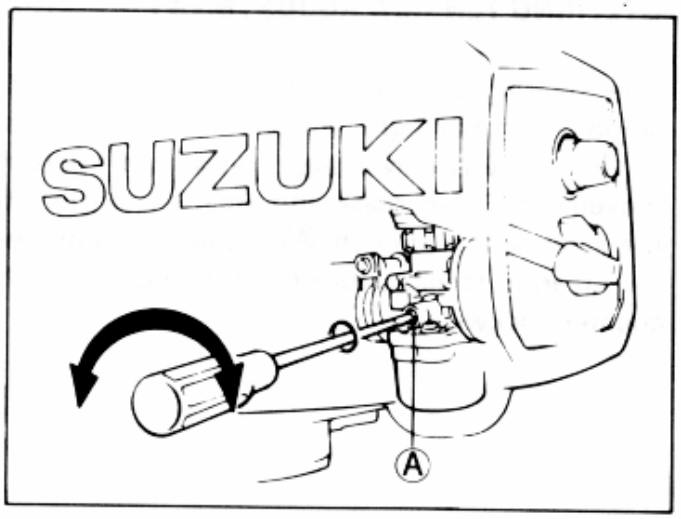


To install a propeller on your outboard motor, use the following procedure:

1. Coat the propeller shaft ① liberally with Suzuki water resistant grease to help prevent corrosion.
2. Install the shear pin ② as illustrated.
3. Slide the propeller ③ onto the shaft.
4. Insert the cotter pin ④ and bend it so that the propeller can not come off.

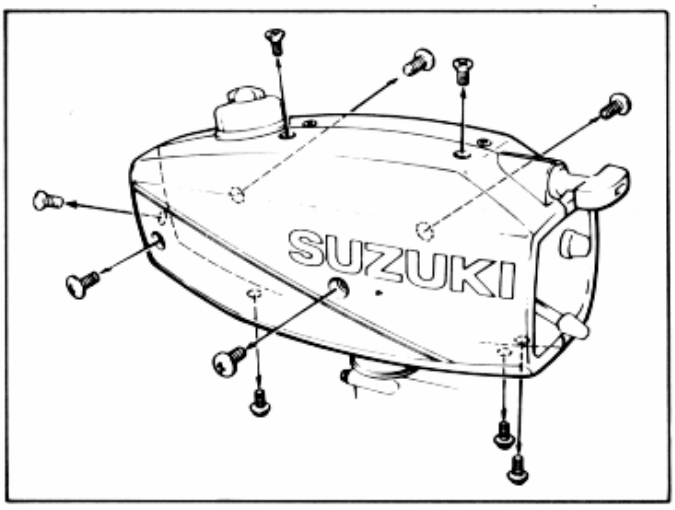
Impeller under here



IDLE SPEED ADJUSTMENT

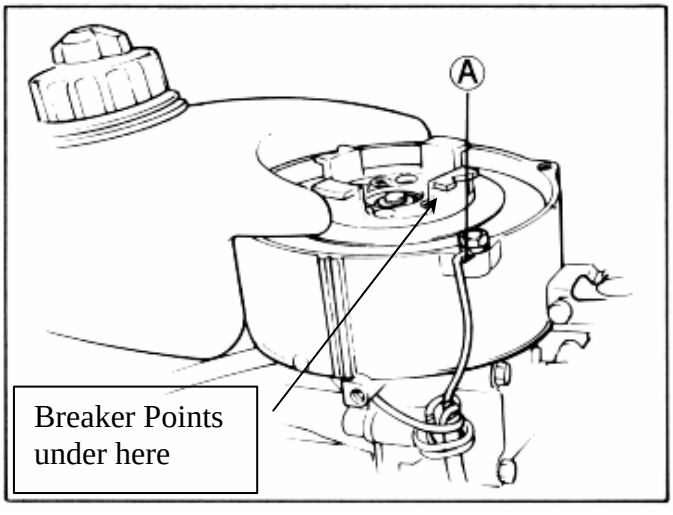
The idle speed of your outboard motor has been factory-adjusted to provided a smooth, stable idle. If it is necessary to adjust the idle speed, use the following procedure.

1. Warm up the engine for about 5 minutes.
2. Turn the idle adjustment screw Ⓐ clockwise to increase idle speed or counterclockwise to decrease idle speed.



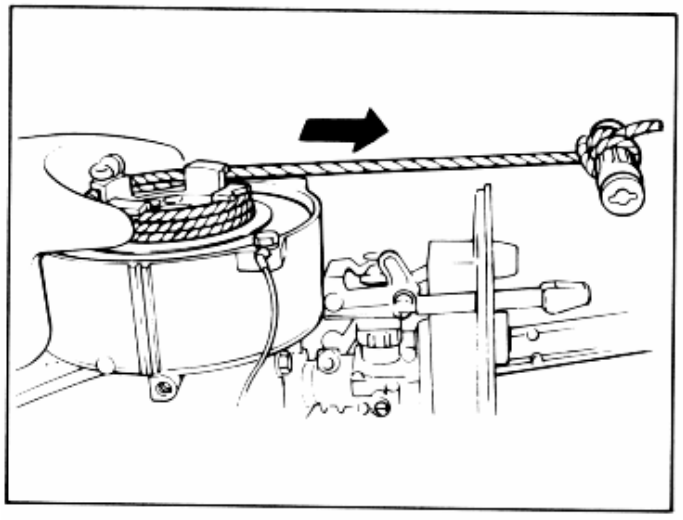
To start the engine when the recoil starter fails:

1. Remove the motor cover by removing the screws holding it on.
2. Remove the three bolts holding the recoil starter assembly in place. Lift off the recoil assembly.



3. Bolt down the cable Ⓐ with one of the bolts you just removed.

⚠WARNING:
If you do not bolt down the wire Ⓐ, the motor will not stop when you push the stop button.



5. Tie a knot in one end of the emergency starter rope located in the tool kit. Tie the other end around the screwdriver handle in the tool kit.
6. Hook the knotted end of the rope in the pulley notch and wind the rope around the pulley in a clockwise direction.
7. Pull the rope forcefully to start the engine.

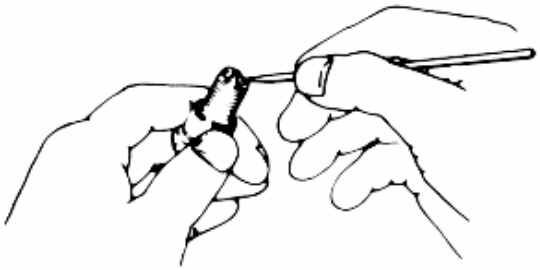
MAINTENANCE SCHEDULE

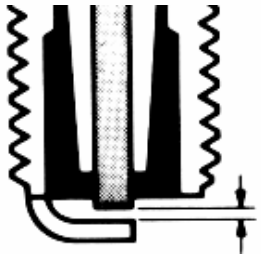
It is important to inspect and maintain your outboard motor regularly. Follow the chart. At each interval, be sure to perform the indicated service. Maintenance intervals should be judged by number of hours or number of months, whichever comes first.

Item \ Interval	1st 10 hrs. or 1 month	Every 50 hrs. or 3 months	Every 100 hrs. or 6 months	Off season
Spark plug	–	–	C & A	C & A
Fuel line	I	I	–	I
Fuel filter	–	I	–	I
Gear oil	R	–	R	R
Lubrication	–	I	–	I
Zinc anode	–	I	–	I
* Bolts & Nuts	T	–	T	T
* Ignition timing	–	–	I	I
* Carburetor	I	–	I	I
* Water pump	–	–	–	I

I: Inspect and clean, adjust, lubricate or replace, if necessary.

C: Clean A: Adjust
T: Tighten R: Replace

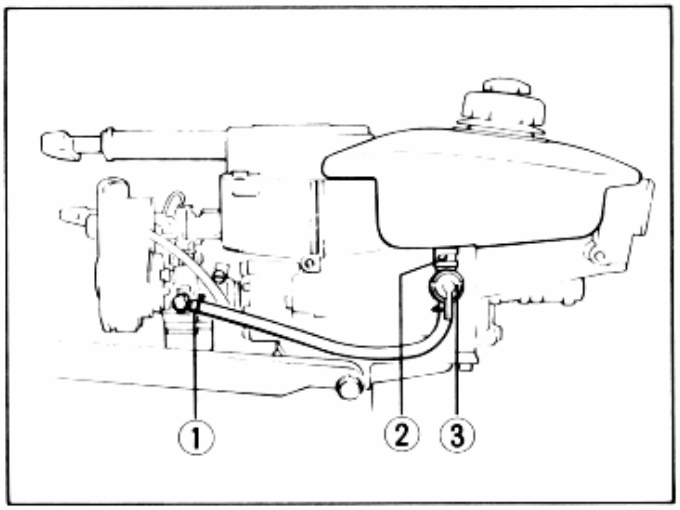




Plug Replacement Guide

NGK	REMARKS
BR4HS	Standard
BR5HS	If the standard spark plug tends to run hot.

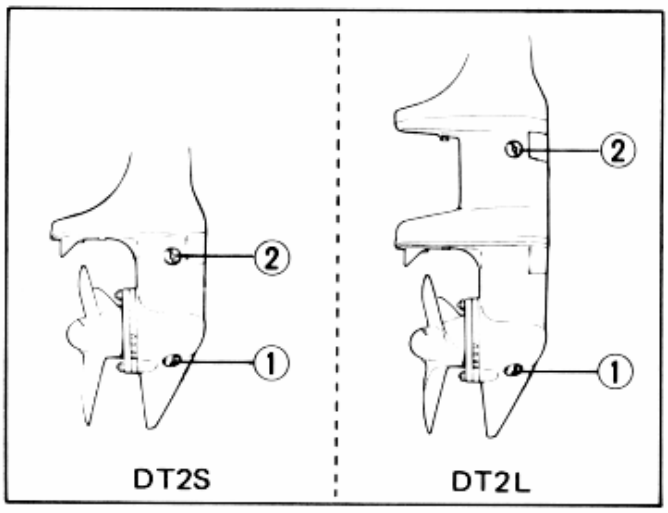
Spark plug gap	0.6 – 0.7 mm (0.024 – 0.028 in)



FUEL FILTER

Inspect the fuel filter for debris. To inspect and clean the fuel filter, follow the procedure below:

1. Disconnect the fuel hose at the carburetor inlet ①.
2. Drain the fuel completely into a suitable container.
3. Loosen the clamp ② and pull the fuel petcock assembly ③straight down.
4. Wash the filter with clean solvent.
5. Reverse the above procedure to reinstall the fuel line and fuel petcock assembly.
6. Refill the fuel tank and set the fuel petcock to the "O" (On) position, and check to make sure there are no leaks in the fuel system.



GEAR OIL

To check the gear oil level, remove the upper oil level plug and look into the hole. The oil level should be at the bottom edge of the hole. If the oil level is low, add the specified gear oil until the level reaches the bottom edge of the hole. Then, reinstall and tighten the plug.

Periodic gear oil replacement is essential for long motor life.

To change the gear oil:

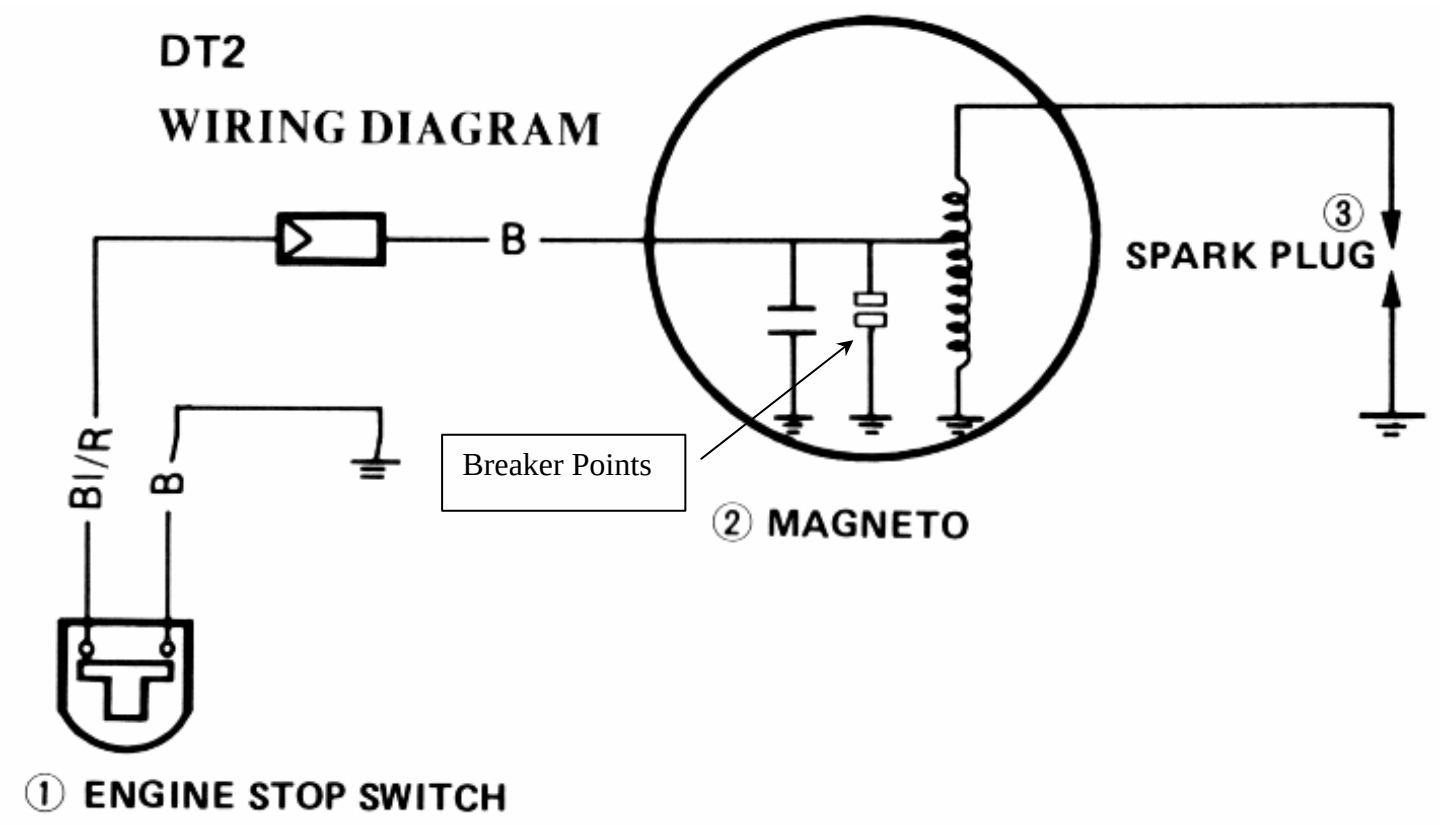
1. Make sure the motor is in an upright position and place a drain pan under the lower casing.
2. Remove the lower oil drain plug ①, then remove the upper oil level plug ②.
3. After the oil has drained completely, inject the specified gear oil into the lower drain hole until it just starts to come out of the upper hole.

	DT2S	DT2L
Gear oil capacity	70 ml (2.4/2.5 US/Imp oz)	120 ml (4.1/4.2 US/Imp oz)

4. Quickly reinstall and tighten the lower oil drain plug, then reinstall and tighten the upper oil level plug.

SPECIFICATIONS

Item		DT2
Engine type		Two stroke
Number of Cylinders		1
Bore and Stroke		41.0 x 37.0 mm (1.61 x 1.46 in.)
Piston Displacement		50 cm^3 (3.1 cu. in)
Horspower		2 PS (1.5 kW)
Full Throttle Operating Range		4 200—4 800 r/min.
Ignition System		Flywheel Magneto
Fuel-Oil Ratio		100 : 1 50 : 1 for SOUTH AFRICA model
Gear Oil Capacity	S	70 ml (2.4/2.5 US/Imp oz)
	L	120 ml (4.1/4.2 US/Imp oz)
Fuel Tank Capacity (Integral Type)		1.2 L (0.32/0.26 US/Imp gal)



DT2

- Fuel mix 100:1 (a plastic 35mm film container filled to the brim mixes EXACTLY three litres of fuel) (shake well)
- Petrol is unleaded
- Fuel capacity is 1.2 Ltrs
- Oil is any make formulated for outboard engine use (BIA certified)
- Water impeller is located under plate behind the propeller (check at least once a year and note which way round the blades bend)
- Shear pin spare should be kept in a rubber holder at the top of the prop leg. The shear pin is behind the prop.
- Gear oil replace every 100 hrs or 6 months (70 mLtrs SAE90) To replace oil, stand engine upright remove lower then upper screws (near prop), to drain old oil. To refill, inject oil into lower screw hole until it comes out of the top hole.
- Points are under a plate under the starter cord retract mechanism. Note: if the retract spring becomes disconnected it is a bugger to put it back together!!!
- Spark Plug (NGK BR4HS) gap 0.6 to 0.7mm

Spares to carry:

- Spark plug
- Impeller
- Shear pin
- Starter cord

Also see:
http://www.funpartsxpress.com/docs/parts/Parts_DT2.pdf
http://store.brownspoint.com/dt2.asp

Item		Data		
Tightening torque specification				
Crankcase bolt				
Bolt dia. 6mm	N·m	8.0 – 12.0		
	kg-m	0.8 – 1.2		
	lb-ft	6.0 – 8.5		
Reed plate bolt	N·m	0.5 – 0.75		
	kg-m	0.05 – 0.075		
	lb-ft	0.4 – 0.5		
Cylinder head bolt				
Bolt dia. 6 mm	N·m	8.0 – 12.0		
	kg-m	0.8 – 1.2		
	lb-ft	6.0 – 8.5		
Flywheel nut	N·m	40.0 – 50.0		
	kg-m	4.0 – 5.0		
	lb-ft	29.0 – 36.0		
Tightening torque for general bolt				
Conventional or "4" marked bolt	5 mm	2.0 – 4.0 N·m	0.2 – 0.4 kg-m	1.5 – 3.0 lb-ft
	6 mm	4.0 – 7.0 N·m	0.4 – 0.7 kg-m	3.0 – 5.0 lb-ft
	8 mm	10.0 – 16.0 N·m	1.0 – 1.6 kg-m	7.0 – 11.5 lb-ft
	10 mm	22.0 – 35.0 N·m	2.2 – 3.5 kg-m	16.0 – 25.5 lb-ft
"7" marked bolt				
	5 mm	3.0 – 6.0 N·m	0.3 – 0.6 kg-m	2.0 – 4.5 lb-ft
	6 mm	8.0 – 12.0 N·m	0.8 – 1.2 kg-m	6.0 – 8.5 lb-ft
	8 mm	18.0 – 28.0 N·m	1.8 – 2.8 kg-m	13.0 – 20.0 lb-ft
	10 mm	40.0 – 60.0 N·m	4.0 – 6.0 kg-m	29.0 – 43.5 lb-ft
Carburetor				
Type		Mikuni VM-11-10		
Main jet		95		
Jet needle		3E6-3		
Needle jet		2.0		
Throttle valve cutaway		1.5		
Float level	mm	19 – 21		
	(in.)	(0.75 – 0.83)		
Valve seat		1.5