

# OUTBOARD MOTORS 2017 INTERNATIONAL





## 1956: OB 1961: OB2B 1960: OB3A Tohatsu manufactured its first 1976: M9.8A 1982: M70A 1983: M55A 1998: MFS5A 2005: MFS9.8A3 1989: M40D 2000: MD50A 2011: MX50D2 2006: MD115A 2014: MFS50A

## HISTORY AND QUALITY

outboard motor, a two-stroke 1.5ps engine, in 1956. Over the years, Tohatsu began to develop larger horsepower outboards, and new environmentally friendly technology. In 1998, Tohatsu introduced it's first four-stroke, which was a 5ps outboard. In 2000, TLDI technology, also known as Two-stroke Low pressure Direct injection, was introduced into the market. Current Tohatsu production includes four-stroke motors, from 2.5ps through 50ps, and TLDI motors from 25ps through 115ps for all markets. Tohatsu also continues to produce conventional two-stroke outboards, from 2.5 through 115ps, for many countries. As pioneers in Japanese outboard motor manufacturing, our high quality, durable, environmentally friendly products are highly acclaimed by customers in every country. Tohatsu is committed to introducing new products and technology into the market, as the times and needs of our customers evolve.



## MFS50/40 1



## Lightest weight in its class

MFS50/40 consist of 3 concepts, Lightweight, ECO and Sporty.

They are the lightest weight in their class and offer exceptional fuel performance to save the petrol cost and proven technologies for worry-free boating. They deliver comfortable cruise to all boaters.



## Multi-Function Tiller Handle (Option)

It offers smooth control and easy operation having key-switch, big-shift handle, & trim/tilt switch on a big tiller handle.



## **Variable Idling Control**

Idling / Trolling speed can be adjusted in four rpm ranges (650,750,850,950 r/min) by pressing a key-switch.



## **Water Flushing System**

Comes standard with a convenient built-in freshwater flush system that simplifies routine engine flushing.





## **TOCS** (Tohatsu Onboard Communication System)

TOCS supports communication between other standard electric devices onboard by simple plug and play.













## MFS30/25

Despite lightweight and compact, MFS30/25 deliver powerful performance. They are equipped with the industry's first technologies, Battery-less Electronic fuel injection, and renewed the upper and lower cowl design, and gear ratio since 2015.



## Battery-Less Electronic Fuel Injection

The 30 ps and 25 ps have the industry's first battery-less electronically controlled fuel injection that provides quick throttle response, excellent fuel economy and very smooth rides on the water.



## **Variable Idling Control**

Idling / Trolling speed can be adjusted in three-rpm ranges (850, 950, 1050 r/min) by pressing a key-switch.



## **Multi-Function Tiller Handle (Option)**

It offers smooth control and easy operation having key-switch, big-shift handle, & trim/tilt switch on a big tiller handle.



## **New Gear Ratio**

Now offers wide selection of propellers Gear Ratio (12:26 / 2.17) to be capable of using bigger propellers.





## TOCS (Tohatsu Onboard Communication System) TOCS supports communication between other standard electric devices onboard by simple plug and play.













## MFS20/15/9.8/8/6Z

Powerful, yet lightweight, MF\$20/15 are a great choice for many boaters. You can expect the same level of performance that our other engines deliver. Cowling designs have been renewed in 2015, and now offers great performance with greater look.

Power tilt can help you, which is available from MF\$9.8 to upper models.



## Air-silencer system

Our air-intake system has a large volume air silencer to ensure engine starting and to suppress air-intake noise during engine operation.



## Wide anti-cavitation plate with trim tab

The wide anti-cavitation plate effectively restrains the propeller from cavitating. The large trim tab helps to achieve effortless steering at high speeds while also providing corrosion protection.



## Simple steering friction lever

The steering friction lever, located at the front of the motor, allows the steering friction to be adjusted for both steady running at high speed and easier maneuvering while trolling. (tiller model only)





## MFS6SP/6/5/4/3.5/2.5

MF\$6/5/4/3.5/2.5 are portable models. You can carry them easily to go anywhere you want. They consist of user-friendly functions for easier operation. Throttle grip, propeller hub exhaust, and selectable tank deliver great usability.

Thus, these models are not only lightweight but also offers finest usability.



## Propeller hub exhaust

Through-the-prop exhaust is used to achieve nice, quiet running conditions.



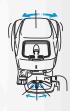
## Throttle grip

The twist type throttle control provides quick steering as well as one-handed operation capability.



## Four point dampening system

The specifically designed motor dampening system reduces vibration at all rpm ranges.



## Simple steering friction lever

The steering friction lever, located at the front of the motor, allows the steering friction to be adjusted for both steady running at high speed and easier maneuvering while trolling. (tiller model only)



## **Carrying Handle**

Wide and deep carrying handle enables you to carry easily.







## Separate Tank

12L separate fuel tank enables you to cruise long distance and long time. It's standard with 5/6 ps.



## Integral tank

With a built-in fuel tank conveniently located on top, 3.5 and 2.5 becomes ready for cruising quickly and without taking up extra space in the beat. An external fuel fitting also comes standard with the 6/5/4 ps models to allow the motor to hook up to a remote fuel tank as well.

## MD115/90/75/50/40/30 T



## Air compressor

One of TLDI®'s essential engine components that is the driving force in achieving stabilized fuel injection.

## Direct fuel injection into cylinders



Due to the design of the cylinder head chamber and piston dome, the finely atomized fuel mist created by the fuel injector is injected near the spark plug to achieve ideal combustion.



## Pistons dedicated to TLDI® outboards

Teflon® coated pistons (Equipped on MD75/90/115) with a concave shape to the head were specifically designed for TLDI® and significantly increase fuel combustion efficiency.



## Idle noise reduction system

The exhaust gases and the sound are routed through the labyrinth exhaust. This process reduces the noise level to a minimum when exiting above the waterline through idle port.

\* Only for MD75, 90, 115



## **Engine control unit (ECU)**

The 32-bit engine control unit controls the fuel injection and ignition timing for TLDI® outboards.



## Three step trolling speed control

The idling speed can be set to any of the three-rpm ranges, 700, 800 or 900, by adjusting it on your key switch. This feature allows you to select the ideal trolling speed for maneuvering during a variety of current and wind conditions.









## **High output alternator**

Equipped with a high output alternator that produces 37amps of power even at 1,000rpm and a whopping 40amps at wide-open throttle. \* Only for MD75, 90, 115

## **Water Flushing System**

Comes standard with a convenient built-in freshwater flush system that simplifies routine engine flushing. \* Only for MD75, 90, 115

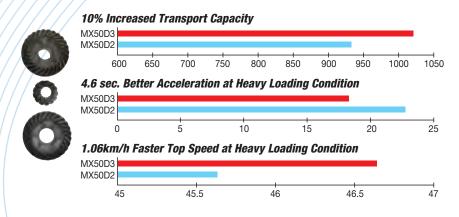
## MX50/40/30/25/18/15



Tohatsu EverRun has been built for performance in the toughest commercial environment. We, at Tohatsu Corporation, carried out in-field test with the prototype in various severe markets and environments. The tests have provided us with a lot of tips for the development of the new challenge. Now, we would like to proudly introduce you Tohatsu "EverRun".

## **Gear Ratio**

Adopted a newly optimized Gear Ratio (13:27 / 2.08) for improved low end torque and top speed. It gives outstanding performance at heavy loading condition. \* Only for MX40/50D3





## **Overheat Warning System**

Engine speed will automatically decrease to approx. 3,500rpm, when the engine temperature rises too high.

\* Only for MX40/50D3



## **Tilt Handle Air Intake Plate**

Adopted a newly designed tilt handle to avoid water ingress through the air intake.

\* Only for MX15/18E2, MX40/50D3



## **Carrying Handle Grip**

Handle grip added on carrying handle. It also covers throttle wires for protection.

\* Only for MX40/50D3



## **Propeller Shaft Housing**

Adopted 2 pieces of oil seal to increase water sealing performance of gear case. Adopted fishing line cutter to protect propeller shaft oil seals from fishing line.

\* Only for MX40/50D3



## EvenRun

## FOR PROFESSIONALS Its durability and reliability provide a high performance in every fields.





Increased thickness of the plate against bending or cracking from striking underwater object.
\* Only for MX40/50D3



Anti-splash plate increases performance of diverting water away from powerhead and mid section.



## TWO STROKE !



M140/115/90/70/70CX PR0/60/50/40/30/25/25JetDrive/ 18/15/9.9/9.8/8/6/5/4/3.5B/3.5A/2.5A

## PROVEN TECHNOLOGY & RELIABLE PERFORMANCE

Tohatsu modern outboard motor is generally called upon to fill one of the two roles - that of a leisure craft engine or that of a commercial engine used in such industries as fishing or transport. Because of this, it must have the ease of handling, speed, and attractive design to appeal to the leisure boater. For commercial applications, on the other hand, quick starts, dependability, durability, ease of maintenance and energy efficiency are the main concerned.





## Genuine Tohatsu Parts and Accessories

**TOCS** (Tohatsu Onboard Communication System)



## **Plug and Play marine Gauges**

















LCD display color You can choose from 11 different colors

## Benefits

- 1 Tachometer supports Tohatsu genuine self-diagnostic system and displays the diagnostic result
- LCD data are available in five languages\*1 i.e. English, French, Italian, Spanish, & German
- 6 Pop-Up screens for quick information display and warnings
- 4 Alarm codes with suggested actions
- 6 A single Tachometer can monitor up to five fuel tanks
- 6 System compatible with multiple engines\*2
- Calibration of Fuel Level, Trim, and Speed included
- 3 Initialization mode to assist in gauge set-up
- Superior Sunlight readable display
- \*1 Some features not supported
- \*2 Up to four engines

## TOCS Starter Kit (3KY-72637-0) .....



Basic starter kit includes. Engine drop cable. Battery cable, Terminator (Female and Male), Tee Connector and Tachometer, and Operation Manual. In case other gauges are needed, you can

just plug in the additional gauge to display.

## 

MFS25/30C (\*): Applicable for serial no. 067991AD and above MFS40/50A: Applicable for serial no. 013179AE and above MD30/40/50B2: Applicable for serial no. 004743AE and above MD75/90C2: Applicable for serial no. 011819AE and above MD115A2: Applicable for serial no. 011828AE and above BFT Model: Applicable for all serial no.

(\*): also requires Interface Cable (3KY-76133-0) for connection between ECU and engine drop cable.

PARTS NO.	DESCRIPTION	
3KY-72638-0	TACHOMETER KIT (includes	s Harness and operation ma
3KY-72672-0	SPEEDOMETER KIT (includ	es Harness for SPEED)
3KY-72523-0	TRIM METER KIT (includes	Harness with 4 pins)
3KY-72600-0	FUEL METER KIT (includes I	Harness with 4 pins)
3KY-72531-0	VOLT METER KIT (includes	Harness with 4 pins)

## **Gauges & Meters**

Premium Stylish Gauges. White or black face dial with polished stainless steel bezel, high visibility red pointer and dome glass lens.





These 199mm(4") 7,000 max Tachometer are available with warning lamp. For MFS40/50 and TLDI warning lamp includes: Oil Level, Engine Temperature and battery For 4-Stroke waning lamp include: Low Oil Pressure.

For 4-Stroke Tachometer can be used on all electric start models by using select 4, 6 or 12 pole switch on rear of meter

All gauges include lead wire, mounting hardware included.

Part Number 3GF-72647-1 MFS40/50A & TLDI Model Black 3GI -72647-1 White MES40/50A & TLDI Model

3AC-72638-1 4-Stroke & 2-Stroke Auto Mixing Oil Model Black 4-Stroke & 2-Stroke Auto Mixing Oil Model 3AD-72638-1



## Speedometers

These Speed Meter with in M.P.H. and Km/h. Includes vinyl pipe, sender and hardware.

Water Pressure Meter

Description

3GF-72598-0 2" Diameter 0-10 PSI Black

3GL-72598-0 2" Diameter 0-10 PSI White

pipe and installation hardware.

Part Number

Monitors your cooling water pressure. Includes vinyl

Part Number Description 3GF-72672-0 Black 60mph 4" Diameter 3GL-72672-0 White 60mph 4" Diameter



Magnetic type gauge shown angle for optimum performance and efficiency.

2" diameter, Includes installation hardware. For use 2-wire senders. Part Number

3GF-72571-0 3GL-72571-0

**Hour Meter** 

services are necessary.

Part Number

3GF-72524-0

3GL-72524-0



Indicates readout LCD the number of hours your outboard

2" Diameter Black

2" Diameter White

motor has been operated to indicate when periodic

Description



## Fuel Gauge

This 2" Fuel Gauge can help you monitor fuel level. Connects easily using your boat's fuel sending unit harness. Description

3GF-72596-0 3GL-72596-0

2" Diameter Black 2" Diameter White



Monitors your charging system. Includes harness and installation hardware. Part Number Description 2" Diameter Black 3GF-72529-0



3GI -72529-0 2" Diameter White



**Multi Function Tiller** 



## **Propellers**

The propeller selection chart can be used to help you in selecting the correct propeller for your Tohatsu outboard. Remember that in any application, discrepancies in performance can result due to the different boat hull designs, the final carrying load and your particular needs.

Model	Prope	ller Dia	Pitch	Material		Sta	ndard Prope	ller		Part Number
Model	mm	in	PILCII	Material	M2.5A2	M3.5A2	M3.5B2	MFS2.5B/3.5B		Part Number
M2.5/3.5A2/	188	7.4	4.5	Plastic	•		•	•		314B64103-
3.5B2	188	7.4	6	Plastic	(S,L)	(S,L)	•	•		309-64106-0
(2-Stroke) &	188	7.4	7	Plastic		•	(S,L)	(S,L)		3F0-64101-
MFS2.5B/3.5B	188	7.4	6	Aluminum	•	•				309B64107-
(4-Stroke)	188	7.4	6	Aluminum			•	•		3F0B64512-
Model	Propeller Dia		D'I - I	14-1		Sta	ndard Prope	ller		D. at Manufacture
Model	mm	in	Pitch	Material	M4C	M5B	MFS4C	MFS5C/6C	MFS6C(SP)	Part Number
M4C & 5B	212	8.3	6	Aluminum	•	•	•	(UL)	•	393B64512-
(2-Stroke)	200	7.9	6	Aluminum	•	•	•	•	(L,UL)	399B64512-
& MFS4/ 5/ 6C/	198	7.8	7	Aluminum	•	•	(S,L)	•	•	3R1B64514-
6C(SP)	198	7.8	8	Aluminum	(S,L)	(S,L,UL)	•	(S,L)	•	3R1B64516-
(4-Stroke)	200	7.9	9	Aluminum	•	•	•	•	•	369B64518-
Model	Propeller Dia		D'I - I	14.1		Sta	ndard Prope	ller		Part Numbe
Model	mm	in	Pitch	Material	M6/8B	M9.8B	MFS6A3	MFS8A3	MFS9.8A3	Part Number
	221	8.7	5	Aluminum	•	•	•	•	•	3V1B64510-
M6/8/	216	8.5	6.5	Aluminum	•	•	(L)	•	•	3B2B64513-
9.8B	226	8.9	7	Aluminum	(L,UL)	•	•	•	•	3B2B64514-
(2-Stroke) &	216	8.5	7	Aluminum	•	•	•	•	•	3V1B64514-
MFS8/9.8A3	216	8.5	7.5	Aluminum	•	(L,UL)	•	(S,L,UL)	(L,UL)	3B2B64515-
(4-Stroke)	226	8.9	8.3	Aluminum	(S)	(S)	•	•	(S)	3B2B64517-
	226	8.9	10	Aluminum	•	•	•	•	•	3B2B64519-
								• = 0	Optional	*= 4 Blades

Model	Prope	ller Dia	D'I - I	Material		St	andard Prope	eller		Part Number		
Model	mm	in	Pitch	Materiai	M9.9/15D2	M18E2	MX15E2	MX18E2	MFS15/20D	rait Nullibei		
	234	9.2	6	Aluminum	•	•	•	•	•	362B64107-		
M9.9/15D2/ 18F2/	234	9.2	7	Aluminum				•	•	362B64105-		
MX15/18F2	254	10.0	7	Aluminum					•	3Z0B64514-		
(2-Stroke)	241	9.5	8	Aluminum	(L,UL)	(UL)	(L)	(S,L,UL)	•	3BAB64516-		
&	235	9.3	9	Aluminum	(S)	(S,L)	(S)	•	(L)	3BAB64518-		
MFS15/20D (4-Stroke)	235	9.3	10	Aluminum	•	•	•	•	(S)	3BAB64521-		
(4-3ii0k6)	235	9.3	11.5	Aluminum	•	• • • • •						
Model	Propeller Dia		Pitch	Material		Stan	dard Propelle	er Size		Part Numbe		
Wodel	mm	in	II ILLLII	iviateriai	M25/30H	H MX	25/30H	MFS2	5/30C	I all Nullibe		
	260	10.2	8	Aluminum	•		•			346B64106-		
M25/30H/	247	9.7	9	Aluminum	(UL)		(UL)	(U	L)	3R0B64518-		
MX25/30H	247	9.7	10	Aluminum	•		(L)		•	3R0B64521		
(2-Stroke) &	249	9.8	11	Aluminum	(L)		•	(L	.)	3R0B64523		
MFS25/30C	249	9.8	12	Aluminum	•		(S)		•	3R0B64525		
(4-Stroke)	244	9.6	13	Aluminum	(S)	(S) • (S) 31		(S)		3R0B64527		
	252	9.9	14	Aluminum	•		•		•	349B64529		

	Propel	ler Dia					Standa	rd Propel	ler Size				
Model	mm	in	Pitch	Material	MX40/ 50D3	M40D2	M50D2	MD40B2	MD50B2	MFS40A	MFS50A	Part Number	
	290	11.4	7	Aluminum	•	•	•	•	•	•	•	348B64108-1*	
M40/50D2/	311	12.2	9	Aluminum	•	•	•	•	•	•	•	3T5B64518-0	
MX40/50D3	290	11.4	11	Aluminum	•	(S,L,LL)	•	•	•	•	•	3T5B64523-0	
(2-Stroke)	283	11.1	12	Aluminum	•	•	(S,L)	(S,L)	•	•	•	3T5B64525-0	
MD40/	277	10.9	13	Aluminum	(S,L,LL,UL)	•	•	•	(S,L)	(S,L)	•	3T5B64527-0	
50B2 (TLDI) &	279	11.0	14	Aluminum	•	•	•	•	•	•	(S,L)	3T5B64529-0	
MFS40/50A	278	11.0	15	Aluminum	•	•	•	•	•	•	•	3T5B64532-0	
(4-Stroke)	279	11.0	16	Aluminum	•	•	•	•	•	•	•	3KYB64534-0	
	280	11.0	17	Aluminum	•	•	•	•	•	•	•	3KYB64536-0	
	Propeller Dia		Direct			Standard Propeller Size							
Model	mm	in	Pitch	Material	M60/70C/70CX/90A2			M115/	140A2	15A2	Part Number		
M60/70C/70CX/9	356	14.0	9	Aluminum		•		•			3HKB64518-0		
0A2/115/140A2	356	14.0	11	Aluminum		•		•		•		3HKB64523-0	
(2Stroke) &	349	13.8	13	Aluminum		•		•		•		3HKB64527-0	
MD115A2	343	13.5	15	Aluminum		(L,UL)		•		•		3HKB64532-0	
(TLDI)	337	13.3	17	Aluminum		•		(L,	UL)	•		3HKB64536-0	
MD75/90C2	335	13.2	19	Aluminum		•		•		•		3HKB64541-0	
(TLDI)	335	13.2	21	Aluminum		•		•		•		3HKB64545-0	
										= Opti	onal	*= 4 Blades	

Our Side Mount and Binnacle Mount control boxes are designed to provide remote throttle & shift control for Tohatsu outboards.

## Side Mount Remote Control Box

Designed for Tohatsu outboards.

Standard features include a fast warm-up lever, Key type ignition switch, an emergency stop switch, choke switch, PTT Switch (as selected models) and 6.3M (21FT) wiring harness.



Part Number Description 3ACQ84330-0 RC5A MFS25/30 (4-Stroke) M40-90 (2-Stroke) with PTT 3B7Q84340-3 RC5B MFS15-30 (4-Stroke) M40-90 (2-Stroke) without PTT 3B7Q84350-3 RC5C MFS8/9.8 (4-stroke) M8B-30H (2-Stroke) with electric starter 3B7Q84360-1 RC5D MFS4-30 (4-Stroke) M4C-30H (2-Stroke) without electric starter 3E0Q84370-0 RC5E M115/120/140A2 (2-Stroke) 3GFQ84500-0 RC5F MFS40/50A (4-Stroke)

MD30/40/50/75/90/115 (TLDI)



Single Top Mount Controls (Right Hand Lever)



Single Top Mount Controls (Left Hand Lever)



Dual Top Mount Controls

Flush Mount Controls

## **TOP MOUNT CONTROLS**

Part Number Description 3U1-84490-0 Single Top Mount Controls (Right Hand Lever) 3T1-84490-0 Single Top Mount Controls (Left Hand Lever) 3U1-84540-0 Dual Top Mount Controls

Optional \*= 4 Blades

## **FLASH MOUNT CONTROLS**

Part Number Description 3U1-84600-0 Flush Mount Controls (SL3F)

Note: For detailed information of Tohatsu Parts & Accessories, Please contact your local dealer.

## **Rigging Kits**



## Side Mount type Pre-rig kits

Part Number Applicable Models 3GLQ84550-1 TLDI Models 2009(XK)~ 3KYQ84555-0 MFS40/50A



## TOP/Dual Binnacle type Pre-rig kits

Part Number Applicable Models 3GM-84550-1 TLDI Models 2009(XK)~

MFS40/50A 3KY-84556-0

## Genuine Tohatsu Parts and Accessories

## **Repair Kits and Optional Accessories**



## Charging Rectifier Kits

For use with alternator coils, these provide D.C. current for recharging a 12 volt battery.

kits include a rectifier, wiring, mounting, bolt, washer and clump.

Part Number Models 3GR-76160-0 M4/5B (2-Stroke)

MFS4/5/6 (4-Stroke) 346-76160-2 M6B through 30H/MX15E2 through 30H (2-Stroke) 3V2-76160-0 MFS8/9,8A3 (4-Stroke)

3BJ-76120-2 MFS15/20C (4-Stroke) 3C8-76160-3 M40/50D2 (2-Stroke)/MX40/50D3 3AC-76160-2 MFS25/30B (4-Stroke)



## **Alternator Kits**

These Alternator Kits are used installing manual start models. Provides A.C. 12V, power. Supplies A.C. current which requires either a regulator for lighting or charging rectifier kits for D.C. battery charging. kits include a alternator, screws and clamp for mounting under flywheel assembly.

docombiy.		
Part Number	Description	Models
3H6-06128-0	12V 60W	M4C/5B (2-Stroke) &
		MFS4/5/6A2 (4-Stroke)
3GR-06128-0	12V 60W	MFS4/5/6C (4-Stroke)
3B2-06128-1	12V 80W	M6/8/9.8B (2-Stroke)
3V1-06128-0	12V 80W	MFS8/9.8A (4-Stroke)
3V2-06128-0	12V 80W	MFS8/9.8A3 (4-Stroke)
3NT-06128-0	12V 80W	MX15/18E2 (2-Stroke)
3KK-06128-0	12V 80W	MX25/30H (2-Stroke)



## **Carburetor Repair Kits**

Carburetor Repair Kits are include gaskets, float and needle valve.

Part Number 3GT-87122-1 MFS2.5/3.5B (4-Stroke) 3F0-87122-2 M2.5/3.5A2/3.5B2 (2-Stroke) 369-87122-1 M4C/5B (2-Stroke) 3B2-87122-0 M6/8/9.8B (2-Stroke) M9.9/15D2/18E2/MX18E2 (2-Stroke) 3G2-87122-2 346-87122-0 M25/30H/MX25/30H (2-Stroke) 3C8-87122-4 M40/50D2 (2-Stroke) 3LC-87122-0 MX40/50D3 (2-Stroke) 3F3-87122-1 M60/70C (2-Stroke) 3B7-87122-1 M90A2 (2-Stroke) 307-87122-2 M115/140A2 (2-Stroke) 3H6-87122-0 MFS4/5/6B (4-Stroke) 3V1-87122-0 MES8/9.8A3 (4-Stroke) 3BJ-87122-0 MES15/20C (4-Stroke)



## **Water Pump Repair Kits**

Water Pump Repair Kits include all necessary replacement water pump. Also available chrome plated water pump repair kits.

Part Number 3AB-87322-0 MFS2.5/3.5B (4-Stroke) 3F0-87322-1 M3.5B2 (2-Stroke) 369-87322-1 M4C/5B/MFS4/5/6C (2 & 4-Stroke) M6/8B/MFS8/9.8A3 (2 & 4-Stroke) 3B2-87322-2 M9.9/15D2/18E2/MX15E2/MX18E2 (2-Stroke)/ MES9 9/15/20C (4-Stroke) 361-87322-0 M25/30H/MX25/30H (2-Stroke) 3B0-87322-0 MES25/30B (4-Stroke) 3T5-87322-3 M40/50D2 (2-Stroke)

MD40/50R2 (TLDI)

MFS40/50A (4-Stroke) 3C7-87322-1 M15/140A2 (2-Stroke) MD75/90C2/115A2 (TLDI)

## **Chrome Water Pump Repair Kits**

Part Number Models Models (24.4-Stroke) 482-65231-0 484-5854568 (2 & 4-Stroke) 482-65231-2 482-65231-2 482-65231-2 482-65231-3 482-65231-3 482-65231-3 482-65231-3 482-65231-3 4840-5002/MX40/5003 (2-Stroke) 482-65231-3 4840-5002/MX40/5003 (2-Stroke) 482-65231-3 4840-5002/MX40/5003 (2-Stroke) 482-65231-3 482-65231-3 4840-5002/MX40/5003 (2-Stroke) 482-65231-3 482-652

3B7-65231-1 M90A2(2-Stroke) 3C7-65231-1 MD75/90C2/115A2 (TLDI) M115/140A2 (2-Stroke) 375-65231-1 MD40/50B2/MF\$40/50A

**Remote Control Fitting Kit** 

MD40/50B2/MFS40/50A (TLDI & 4-Stroke)

## **Fuel Tanks**



## **Plastic Fuel Tanks**

These fuel tank are constructed of High-quality and UL approved. Part Number Description

3B2-70167-1 12 Litter (3.1 Gallon) 3C7-70177-1 25 Litter (6.6 Gallon)



## **Fuel Line Hoses**

Long life, fuel resistant hose has quick connect type fitting on tank and engine end. Includes built in primer bulb in this 2.46m (8 ft)

Part Number Models 3B7-70200-4 M5-90 (2-Stroke) & MD40/50 (TLDI) MFS4-50 (4-Stroke)

3E0-70200-1 M115-140 (2-Stroke) 3T1-70200-1 MD75/90C2/115A2 (TLDI



## This R.C. fitting kit is conversion Remote Control

3V2-83880-2 MFS8/9.8A3 (4-Stroke) 3BJQ83880-3 MFS15/20C (4-Stroke) 3AC-83880-2 MFS25/30B (4-Stroke) 3KY-83880-0 MFS40/50A (4-Stroke) 3TW-83880-0 MFS40/50A (4-Stroke)

## **Anodes**

Easy to replace Zinc Anodes protect the motor from galvanic corrosion in saltwater environment.







3H6-60218-0



3V9-60218-0 369-60218-1



307-60218-2

Part Number

338-60218-2 M2.5/3.5A2/3.5B2/8\*/9.8B\* (2-Stroke) MFS2.5/3.5B/40/50A (4-Stroke) M9.9 - 18/M40D2 - 70C/70CX (2-Stroke)

MD40/50B2 (TLDI) MX18E2/40/50D2 (2-Stroke) M40/50D2 for Manual Tilt

3B7-60218-1 MD75/90C2/115A2 (TLDI)

M70 - 140 (2-Stroke) MFS40/50A (4-Stroke)

3H6-60218-0 M4 - 6 (2&4-Stroke), MFS40/50A (4-Stroke) 3V9-60218-0 M9.9 - 18 (2-Stroke) 3P0-60218-0 M25/30H/MX25/30H (2-Stroke)

MES40/50A (4-Stroke) 369-60218-1 MFS8/9.8A3/15/20C/25/30B (4-Stroke) 3C7-60218-2 M40D2 through M140A2 for PTT

3KY-60218-0 MFS40/50A (4-Stroke) 3LD-60217-0 MX15/18E2

\* ~#032877XC

## **Trim Tabs**

These Trim Tabs are Sacrificial anode metal protects the engine from corrosion and reduce propeller torque for easier steering.









These Trim Tabs are Sacrificial anode metal protects the engine from corrosion and reduce propeller torque for easier steering.

M25/30H/40/50D2 (2-Stroke) MFS25/30B (4-Stroke) MD40/50B2 (TLDI)

MX25/30H (2-Stroke) M8\*/9.8B\* (2-Stroke) M9.9-18E2 (2-Stroke)

MFS15/20C (4-Stroke) 3B7-60217-1 M60C through M140A2 (2-Stroke) MD75/90C2/115A2 (TLDI)

\* ~#036520XC

## **Miscellaneous**





## **Engine Flush Attachments**

Allows for fresh water hook up to the engine for running at idle or for flushing of cooling passages. Also allows out of water operation for test run and engine adjustment.

Part Number Applicable Models 336-60007-0 4-30ps (2 & 4-Stroke) 40-140ps (2-Stroke & TLDI) 3GR-72406-0 MFS4/5/6 (4-Stroke)

Safety Lanyard Cords are designed to shut off your outboard in the event the operator falls overboard (lanyard must be properly connected to both the outboard and the operator) Without this important safety feature your outboard would continue to run, without you at the controls. This item is necessary to start your outboard.

Part Number Applicable Models 353-06821-0 All Models

## **Spark Plugs**

Part Number NGK BPR6HS-10 9701-1-1013 M2.5 - M3.5B2 (2-Stroke) 9701-1-1014 NGK BPR7HS-10 M4C - M9.8B (2-Stroke) 9701-1-1015 NGK BR7HS-10 M9.9D2/MX25/30H (2-Stroke) 9701-1-1010 NGK BP7HS-10 MX18E2 (2-Stroke) 9701-1-1016 NGK BR8HS-10 M40D2 - M140A2 (2-Stroke) 9701-1-1009 NGK B8HS-10 MX50 - M70CX (2-Stroke) NGK DCPR6E MFS2.5 - MFS25/30 9701-1-1103 9701-1-1109 NGK IZFR5.I MD115A2 (TLDI) 9701-1-1111 NGK IZR6G8 MD30/40/50B2/75/90C2 (TLDI) NGK IKR6G8 MFS40/50A 9701-1-1121

## **Replacement Filters**

Tohatsu offers a variety of replacement fuel, air and oil filters to keep your outboard running at peak performance.



Oil Filter Part Number 3BJ-07615-0 MFS15-50 (4-stroke)



3AD-02230-0









**Filters** 

Part Number Description 3T5-10130-0 Air Filter for Compressor 3GF-10130-0 Air Filter for Compresso 369-02230-0 Fuel Filter 3AD-02230-0 Fuel Filter

3C7-02230-0 Fuel Filter 3T5-02230-0 Fuel Filter 3T1-02230-0 Fuel Filter

Applicable Models MD40/50B/70/90B/115A (TLDI) MD40/50B275/90C2/115A2 (TLDI) 4 - 9.8hp (2 & 4-Stroke) MFS15/20C (4-Stroke) M9.9D2 - 30H, M40D2 - M90A2 (2-Stroke) MFS25/30B (4-Stroke) MX18/25/30/40/50 (EverBun) M115/140A2 (2-Stroke) MD40/50B2/70/90C2 (TLDI) MFS40/50A (4-Stroke) MD115A2 (TLDI)

## **Specifications**

Four Stroke														
Model	MFS50	MFS40	MFS30	MFS25	MFS20	MFS15	MFS9.8	MFS8	MFS6Z	MFS6 SP	MFS6			
No. of Cylinder			3					1						
Output	50 ps (36.8 kw)	40 ps (29.4 kw)	30 ps (22.1 kw) 25 ps (18.4 kw)		20 ps (14.7 kw) 15 ps (11 kw)		9.8 ps (7.2 kw) 8 ps (5.9 kw) 6 ps (4.4 kw)		6 ps (	4.4 kw)				
Displacement	866 cm3 (	52.9 cu.in)	526 cm3 (3	32.09 cu.in)	351 cm3 (	21.41 cu.in)		209 cm3 (12.8 cu.in)		123 cm3	(7.5 cu.in)			
Bore x Stroke	70 x 75 mm (	2.4 x 2.36 in)	61 x 60 mm	(2.4 x 2.36 in)	61 x 60 mm	(2.4 x 2.36 in)		55 x 44 mm (2.17 x 1.73 in)		59 x 45 mm	(2.32 x 1.77 in)			
Max. RPM Range	5,000 - 6,	,000 r/min	5,250 - 6,250 r/min	5,000 - 6,000 r/min	5,400 - 6,100 r/min		i,000 r/min							
Starting	Elec	etric	Electric & Mar	nual or Manual			Electric & Manual or Manual			Manual				
Control Type		Remote Contro	l or Tiller Handle				Tiller Handle or Opt. Remote Control							
Gear Shift						Forward - Neutral - Reverse								
Gear Ratio	2.0	8:1	2.1	7:1	2.1	5:1		2.08:1		2.	5:1			
Propeller Selection Range	7" -	17"	8" -	14"	6" -	11.5"		5" - 10"		6"	6" - 9"			
Transom Height	15",	20"	15",	, 20"	15",	, 20"	20", 25"	15", 20"						
Fuel		Unleaded Gaso	oline (87 Octane)		Unleaded Gasoline (87 Octane)									
Recommended Oil		Tohatsu 4stroke	Outboard Motor Oil		Tohatsu 4 stroke Outboard Motor Oil									
Fuel Tank		25 Lit (6.6 US G	al.) Separate Tank			1:	2 Lit (3.2 US Gal.) Separate Ta	nk		12 Lit (3.2 US Gal.) Separate Tank	12 Lit (3.2 US Gal.) Separate Tank and/or 1.15 Lit (0.3 US Gal.) Integral Tank			
Weight*	95 kg (2	209 lbs)	71.5 kg	(158 lbs)	52 kg (1	52 kg (114.6 lbs)		37 kg (81.5 lbs)			25.6 kg (57 lbs)			
Alternator Output	12V, 25	2W, 21A	12V, 180W, 15A		12V, 145W, 12A		12V, 80W, 6A**			12V, 60W, 5A	Opt. 12V, 60W, 5A			
Compatible with TOCS	S	S	S	S	-	-	-	-	-	-	-			

\* Weight Specification is based on the lightest version.

\*\* Alternator on Certain Models

LEGEND S ••••• Standard

Specifications are subject to change without notice.

Four Strok	e				TLDI								
Model	MFS5	MFS4	MFS3.5	MFS2.5	Model	MD115	MD90	MD75	MD50	MD40	MD30		
No. of Cylinder			1		No. of Cylinder	4	4 3						
Output	5 ps (3.7 kw)	4 ps (2.9 kw)	3.5 ps (2.6 kw)	2.5 ps (1.8 kw)	Output	115ps (84.6 kw)	90 ps (66.2 kw)	75 ps (56 kw)	50 ps (36.8 kw)	40 ps (29.4 kw)	30 ps (22.1 kw)		
Displacement	123 cm3 (7.5 cu.in)		86 cm3 (5.2 cu.in)		Displacement	1768 cm3 (107.9 cu.in)	768 cm3 (107.9 cu.in) 1267 cm3 (77.3 cu.in)			697 cm3 (42.5 cu.in)			
Bore x Stroke	59 x 45 mm (	(2.32 x 1.77 in)	55 x 36 mm (2	2.17 x 1.42 in)	Bore x Stroke	88 x 72.7 mm (3.46 x 2.86 in)	88 x 72.7 mm (3.46 x 2.86 in) 86 x 72.7 mm (3.39 x 2.86 in) 68 x 64 mm (2.68 x 2.52 i						
Max. RPM Range	4,500 - 5,500 r/min 5,000 - 6,000 r/min 4,500 - 5,500 r/min				Max. RPM Range			4,750 - 5,750 r/min					
Starting		Ma	nual		Starting								
Control Type	Tiller Handle or Opt. Remote Control Tiller Handle				Control Type		Remote Control or Tiller Handle	)					
Gear Shift	Forward - Neutral - Reverse Forward - Neutral				Gear Shift			Forward - Nei	ıtral - Reverse				
Gear Ratio		2.1	5:1		Gear Ratio	2.0:1	2.0:1 2.3:1 1.85:1						
Propeller Selection Range	6"	- 9"	4.5"	- 7"	Propeller Selection Range	9" - 21"	9" - 21" 11" - 21"			7" - 15"			
Transom Height		15"	, 20"		Transom Height	20", 25" 15", 20"					20"		
Fuel		Unleaded Gaso	line (87 Octane)		Fuel	Unleaded Gasoline (87 Octane)							
Recommended Oil		Tohatsu 4 stroke	Outboard Motor Oil		Recommended Oil			Tohatsu Premium	Outboard Motor Oil				
Fuel Tank		Separate Tank and/or Gal.) Integral Tank	1 Lit (0.26 US G	al.) Integral Tank	Fuel Tank		Optional		25 Lit (6.6 US Gal.) Separate		nk		
Weight*	25.6 kg (57 lbs) 26.1 kg (58 lbs)		18.4 kg (41 lbs)		Weight*	178 kg (392 lbs)	92 lbs) 150 kg (331 lbs)		93.5 kg (205.7 lbs)		94.5 kg (208 lbs)		
Alternator Output	Opt. 12V	, 60W, 5A	N/A A		Alternator Output		12V, 490W, 40A		12V, 280W, 23A				
Compatible with TOCS	-	-	-	-	Compatible with TOCS	S	S	S	S	S	S		

\* Weight Specification is based on the lightest version.

\*\* Alternator on Certain Models

LEGEND S ••••• Standard

Specifications are subject to change without notice.

EverRun							Two Stroke	;						
Model							Model	M140	M115	M90	M70CX	M70	M60	
No. of Cylinder		3			2		No. of Cylinder		4		3			
Output	50 ps (36.8 kw)	40 ps (29.4 kw)	30 ps (22.1 kw)	25 ps (18.4 kw)	18 ps (13.2 kw)	15 ps (11 kw)	Output	140 ps (103 kw)	140 ps (103 kw) 115 ps (84.6 kw)		70 ps (51.5 kw)		60 ps (44.1 kw)	
Displacement	697 cm3 (42.5 cu.in)		429 cm3 (26.2 cu.in)		294 cm3	294 cm3 (17.9 cu.in)		1768 cm3 (107.9 cu.in) 1267		1267 cm3 (77.3 cu.in)		938 cm3 (57.2 cu.in)		
Bore x Stroke	68 x 64 mm (	(2.68 x 2.52 in)	68 x 59 mm (	9 mm (2.68 x 2.32 in) 60 x 52 mm (2.36		(2.36 x 2.05 in)	Bore x Stroke	88 x 72.7 mm (3.46 x 2.86 in)		86 x 72.7 mm (3.39 x 2.86 in)	74	x 72.7 mm (2.91 x 2.86	in)	
Max. RPM Range		5,150 - 5	,850 r/min		5,200 - 5,800 r/min	4,500 - 5,500 r/min	Max. RPM Range			5,000 - 5,500 r/min		5,150 - 5,850 r/min		
Starting			Tiller I	Handle			Starting	Electric			Manual Electric		ctric	
Control Type	Electric & Ma	nual or Manual		Ma	inual		Control Type		Remote Control		Tiller Handle	Remote	Control	
Gear Shift	Forward - Ne	utral - Reverse					Gear Shift			Forward - Neu	ıtral - Reverse			
Gear Ratio	2.0	8:1	1.92 : 1		1.85 : 1		Gear Ratio	2.0:1				2.33:1		
Propeller Selection Range	7" -	- 15"	8" -	14"	6" - 11.5"		Propeller Selection Range	9			21"			
Transom Height	15", 20",	22.5", 25"		15", 20", 25"	15", 20"		Transom Height	20", 25"					20"	
Fuel			Pre-Mix	(50 : 1)			Fuel	Automixing (Variable 120:1 - 50:1) Pre-Mix (50 : 1) Automixing (Variable 120:1 - 50:1)					ble 120:1 - 50:1)	
Recommended Oil			Tohatsu S	Super Gold			Recommended Oil			Tohatsu S	Super Gold			
Fuel Tank			25 Lit Separ	ate Fuel Tank			Fuel Tank			25 Lit Separa	ate Fuel Tank			
Weight*	72 kg (159 lbs)		51 kg (112 lbs)		41 kg	41 kg (90 lbs)		164 kg (362 lbs) 135 kg (298 lbs)		105.5 kg (233 lbs) 103 kg (227 lbs)		115 kg (254 lbs)		
Alternator Output	12V, 130W 11A OPTION				12V, 80W 7A		Alternator Output	12V, 330W, 27.5A			12V, 130W, 11A			
Compatible with TOCS	-	-	-	-	-	-	Compatible with TOCS	-	-	-	-	-	-	

 $<sup>{}^*\</sup>textit{Weight Specification is based on the lightest version}.$ 

Specifications are subject to change without notice.

Two Stroke																	
Model	M50	M40	M30	M25	M25 Jet Drive	M18	M15	M9.9	M9.8	M8	M6	M5	M4	M3.5B	M3.5A	M2.5	
No. of Cylinder	3	3				2						1					
Output	50 ps (36.8 kw)	40 ps (29.4 kw)	30 ps (22.1 kw)	25 ps (*	18.4 kw)	18 ps (13.2 kw) 15 ps (11 kw) 9.9 ps (7.3 kw)		9.9 ps (7.3 kw)	9.8 ps (7.2 kw)	8 ps (5.9 kw) 6 ps (4.4 kw)		5 ps (3.7 kw)	4 ps (2.9 kw)	3.5 ps (2.6 kw)		2.5 ps (1.8 kw)	
Displacement	697 cm3 (4	42.5 cu.in)	429 cm <sup>3</sup> (26.3 cu.in)			294 cm3 (17.9 cu.in)	247 cm3 (	15.1 cu.in)		169 cm3 (10.3 cu.in	)	102 cm3	(6.2 cu.in)		74.6 cm <sup>3</sup> (4.6 cu.ir	1)	
Bore x Stroke	68 x 64 mm (2	2.68 x 2.52 in)	` '			60 x 52 mm (2.36 x 2.05 in)	55 x 52 mm (2.17 x 2.05 in) 50 x 43 mm (1.97 x 1.69 in)				55 x 43 mm (	(2.17 x 1.69 in)	47 >	43 mm (1.85 x 1.6	69 in)		
Max. RPM Range	5,150 - 5,850 r/min	5,000 - 5,700 r/min	5,150 - 5,850 r/min	5,000 - 6,000 r/min	5,200 - 5,600 r/min	5,200 - 5,800 r/min 4,500 - 5,300 r/min			5,000 - 6,000 r/min		4,500 - 5	5,500 r/min		4,200 - 5,	,300 r/min	3,800 - 5,200 r/min	
Starting	Electric 8	& Manual	Electric & Mar	nual or Manual	Manual		Electric & Mar	nual or Manual					Manual				
Control Type		Remote Control	or Tiller Handle		Tiller Handle	Remote Control or Tiller Handle	Tiller Handle IIIIer Handle										
Gear Shift						Forward - Neutral - Reverse								Forward - Neutral	Forward - Neutral Forward Only		
Gear Ratio	1.8	5:1	1.92:1 1:1			1.85 : 1				2.08 : 1			2.15 : 1		1.85 : 1	2.15:1	
Propeller Selection Range	7" -	15"	8" - 14"		-	6" - 11.5"				6.5" - 9.5"		6"	- 9"	4.5" - 7"	4.5	" - 6"	
Transom Height	15", 20"	15", 20", 22"	15",	20"	20" 15", 20"												
Fuel	Automixing or F	Pre-Mix (50 : 1)							Pre-Mix (50 : 1)								
Recommended Oil								Tohatsu S	Super Gold								
Fuel Tank				25 Lit Separ	ate Fuel Tank					12 Lit Separate Tank	į.		k and 12 Lit Separate Tank Integral Tank	1.4 Lit Integral Tank		(	
Weight*	72 kg (159 lbs)			112 lbs)	59 kg (130 lbs)		41 kg (90 lbs)			26 kg (57 lbs)		20 kg (44 lbs)		13 kg (29 lbs)	12.5 kg	g (28 lbs)	
Alternator Output	12V, 130	OW, 11A		12V, 80W 7A					12V, 80W 7A**			OPTIONAL 12V, 60W 5A		N/A			
Compatible with TOCS	-	-	-	-	-	-	-	-	-		-	<u> </u>			-		

 $<sup>{}^*\</sup>textit{Weight Specification is based on the lightest version}.$ 

<sup>\*\*</sup> Alternator on Certain Models

LEGEND S ••••• Standard

<sup>\*\*</sup> Alternator on Certain Models

LEGEND S ••••• Standard

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