#### Thank You

Thank you for choosing MotorGuide, one of the finest trolling motors available. Years of experience have been committed to the goal of producing the finest quality products. This led to MotorGuide's reputation for strict quality control, excellence, durability, long-lasting performance and being the best at providing after-the-sale service and support.

Please read this manual carefully before operating your motor. This manual has been prepared to assist you in the operation, safe use, and care of your trolling motor.

Again, thank you for your confidence in MotorGuide.

NEVER STOP LEARNING, NEVER STOP IMPROVING, AND NEVER, EVER STOP FISHING.

#### **Warranty Message**

The product you have purchased comes with a **One-Year Limited Warranty** from MotorGuide, the terms of the policy are set forth in the **Warranty Information** section of this manual. The policy statement contains a description of the duration of coverage, **important disclaimers and limitations of damages**, and other related information. Please review this important information.

The description and specifications contained herein were in effect at the time this manual was approved for printing. Mercury Marine, whose policy is one of continued improvement, reserves the right to discontinue models at any time, to change specifications, designs, methods, or procedures without notice and without incurring obligation.

MotorGuide, Tulsa, Oklahoma U.S.A.

Litho in U.S.A.

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#### WARRANTY INFORMATION

# MotorGuide Limited One-Year Warranty KEEP YOUR ORIGINAL PURCHASE RECEIPT

- 1. To obtain warranty service, the purchaser should return the unit (postage prepaid and insured) to MotorGuide at 4433 West 49th Street, Tulsa, OK 74107. DO NOT RETURN TO PLACE OF PURCHASE. Products returned by mail should also be carefully packaged and include a note describing the nature of the problem and customer contact information. A copy of the proof of purchase is required with the return of the product for warranty consideration. Warranty claims will not be accepted without presentation of purchase receipt for trolling motor or Bill of Sale for boat package.
- MotorGuide electric trolling motors are warranted to the original purchaser to be free from defects in material and/or workmanship for one (1) year. Warranty is NOT transferable to any subsequent purchaser.
- 3. MotorGuide, at its discretion, will repair or replace items covered under the terms of this warranty. Neither MotorGuide nor MotorGuide Service Dealers are responsible for damages to MotorGuide products due to repairs performed by anyone other than the MotorGuide Factory Service Center. Neither MotorGuide nor Mercury Marine is responsible for failure or damage caused by improper installation, set-up, preparation, or previous service or repair errors.

#### WARRANTY INFORMATION

- 4. Warranty coverage is available only to customers that purchase from a Dealer authorized by MotorGuide/Mercury Marine to distribute the product in the country in which the sale occurred. Warranty coverage and duration varies by the country in which the product resides. This warranty applies to Thruster series MotorGuide Trolling Motors sold and residing in the United States. This Limited Warranty begins on the date the product is first sold to a purchaser or the date on which the product is first put into service, whichever occurs first. MotorGuide Accessories are covered by this Limited Warranty for a coverage period of one (1) year from the date of retail sale. The repair or replacement of parts, or the performance of service under this warranty, does not extend the life of this warranty beyond its original expiration date. Promotional warranties are not included in this statement and coverage may vary by promotion. Product either sold or put into service more than six years from date of manufacture is excluded from warranty coverage.
- 5. This warranty does not apply to normal worn parts, i.e., worn cables, adjustments, or product damage due to; 1) neglect, lack of maintenance, accident, abnormal operation or improper installation or service; 2) abuse, i.e., bent metal columns, bent armature shafts, broken control cables, etc., accidents, modifications, misuse, excessive wear or damage caused by an owner's failure to provide reasonable and necessary installation or care; 3) use of an accessory or part not manufactured by MotorGuide/Mercury; 4) alteration or removal of parts; 5) opening the lower unit (motor) by anyone other than the Factory Service Center will void this warranty.
- 6. This warranty will not apply to 1) haul out, launch, towing and storage, transportation charges and/or travel time, telephone or rental charges of any type, inconvenience, or loss of time or income, or other consequential damages.
- 7. We reserve the right to improve the design of any Trolling Motor without assuming any obligation to modify any Trolling Motor previously manufactured.

#### WARRANTY INFORMATION

- 8. Serialized "Service-Repair" motors have a (1) one year warranty. Non-serialized "Service-Repair" electric trolling motors are NOT warranted. "Service-Repair" motor denotes a trolling motor sold by MotorGuide that may be "used" but has been inspected and may have had minor repairs. Original retail purchaser of a "Service-Repair" motor is the first purchaser of the motor after it is denoted as "Service-Repair". "Service Repair" motors have a blue sticker on the battery cable and box denoting "Manufacturer Certified Service Repair Motor".
- TERMINATION OF COVERAGE: Warranty coverage may be terminated for repossessed product, or product purchased at auction, from a salvage yard, from a liquidator, from an insurance company, from unauthorized marine dealers or boat builders, or other third party entities.
- 10.ALL INCIDENTAL AND/OR CONSEQUENTIAL DAMAGES ARE EXCLUDED FROM THIS WARRANTY, WARRANTIES OF MERCHANTABILITY AND FITNESS ARE EXCLUDED FROM THIS WARRANTY, IMPLIED WARRANTIES ARE LIMITED TO THE LIFE OF THIS WARRANTY, SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS OR THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER LEGAL RIGHTS WHICH MAY VARY FROM STATE TO STATE.

#### GENERAL INFORMATION

#### **Boater's Responsibilities**

The operator (driver) is responsible for the correct and safe operation of the boat and safety of its occupants and general public. It is strongly recommended that each operator (driver) read and understand this entire manual before operating the trolling motor.

Be sure at least one additional person on board is instructed in the basic operation of the trolling motor in case the driver is unable to operate the boat.

# Protecting People in the Water WHILE YOU ARE TROLLING

It is very difficult for a person in the water to take quick action to avoid a boat heading in their direction, even at slow speeds.



Always slow down and exercise extreme caution any time you are boating in an area where there might be people in the water.

#### WHILE THE BOAT IS STATIONARY

#### **▲** WARNING

A spinning propeller, a moving boat, or any solid device attached to the boat can cause serious injury or death to swimmers. Stop the trolling motor immediately whenever anyone in the water is near your boat.

Shut off the trolling motor before allowing people to swim or be in the water near your boat.

#### Passenger Safety Message

Whenever the boat is in motion, observe the location of all passengers. A sudden reduction in boat speed, such as a sharp change of boat direction, could throw them off the boat.

#### GENERAL INFORMATION

#### Safe Boating Suggestions

In order to safely enjoy the waterways, familiarize yourself with local and other governmental boating regulations and restrictions, and consider the following suggestions.

**Use flotation devices.** It is the law to have an approved personal flotation device of suitable size for each person aboard and have it readily accessible.

Do not overload your boat. Most boats are rated and certified for maximum load (weight) capacities, refer to your boat capacity plate. If in doubt, contact your dealer or the boat's manufacturer.

**Perform safety checks and required maintenance**. Follow a regular schedule and ensure all repairs are made properly.

Never be under the influence of alcohol or drugs while boating (it is the law). Alcohol or drug use impairs your judgment and greatly reduces your ability to react quickly.

**Passenger boarding.** Stop the trolling motor whenever passengers are boarding or unloading.

**Be alert.** The operator of the boat is responsible by law to maintain a proper lookout by sight and hearing. The operator must have an unobstructed view particularly to the front. No passengers, load, or fishing seats should block the operators view when operating the boat.

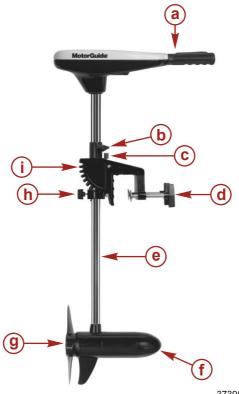
**Underwater hazards.** Reduce speed and proceed with caution whenever navigating in shallow water.

**Tripping hazards.** To avoid a trip hazard, route all cables and wiring neatly and out of the way.

Report accidents. Boat operators are required by law to file a Boating Accident Report with their state boating law enforcement agency when their boat is involved in certain boating accidents. A boating accident must be reported if 1) there is loss of life or probable loss of life, 2) there is personal injury requiring medical treatment beyond first aid, 3) there is damage to boats or other property where the damage value exceeds \$500.00 or 4) there is complete loss of the boat. Seek further assistance from local law enforcement.

#### PRODUCT OVERVIEW

#### T30/T34 MotorGuide Trolling Motor



37395

a - Twist-tiller handle

b - Depth collar knob

c - Tilt-positioning pin

**d** - Transom clamp screws

e - Shaft

f - Lower unit

g - 2-blade power propeller

h - Steering tension knob

i - 03 transom mount

## **Specifications**

Model	Peak Thrust	Shaft	Volts	Speed	Control
T30	30 lbf thrust	76.2 cm (30 in.)	12 V	5/2	Hand/Twist-Tiller
T34	34 lbf thrust	76.2 cm (30 in.)	12 V	5/2	Hand/Twist-Tiller

#### WIRING AND BATTERY INFORMATION

#### Wiring and Battery Information

#### **WARNING**

An operating or charging battery produces gas that can ignite and explode, spraying out sulfuric acid, which can cause severe burns. Ventilate the area around the battery and wear protective equipment when handling or servicing batteries.

#### **WARNING**

Performing service or maintenance without first disconnecting the battery can cause product damage, personal injury, or death due to fire, explosion, electrical shock, or unexpected motor starting. Always disconnect the battery cables from the battery before maintaining, servicing, installing, or removing motor components.

#### Standard Practices and Procedures

When installing or removing this trolling motor, follow these guidelines:

- Disconnect the trolling motor battery from the main engine battery, if equipped.
- Do not use the main engine battery to power the trolling motor.

#### **Battery Recommendations**

- Use a 12-volt, deep cycle marine battery.
- Install a 50 A manual reset circuit breaker in line with the trolling motor positive leads within 180 cm (72 in.) of the batteries.
- If extending the existing wire beyond the standard battery cable, use 13 mm (6 g) battery cables.

Recommended MotorGuide Accessory Description	Part Number
6 g battery cable and terminals with 50 A manual reset breaker	MM309922T
50 A manual reset breaker	MM5870

#### WIRING AND BATTERY INFORMATION

#### **Battery Precautions**

#### **WARNING**

An operating or charging battery produces gas that can ignite and explode, spraying out sulfuric acid, which can cause severe burns. Ventilate the area around the battery and wear protective equipment when handling or servicing batteries.

When charging batteries, an explosive gas mixture forms in each cell. Part of this gas escapes through holes in vent plugs and may form an explosive atmosphere around battery if ventilation is poor. This explosive gas may remain in or around battery for several hours after it has been charged. Sparks or flames can ignite this gas and cause an internal explosion which may shatter the battery.

The following precautions should be observed to prevent an explosion:

- 1. Do not smoke near batteries being charged or which have been charged very recently.
- Do not break live circuits at terminals of batteries because a spark usually occurs at the point where a live circuit is broken. Always be careful when connecting or disconnecting cable clamps on chargers. Poor connections are a common cause of electrical arcs which cause explosions.
- 3. Do not reverse polarity of battery terminal to cable connections.

#### Wire and Cable Routing

- Route the trolling motor wires on the opposite side of the boat from other boat wiring.
- Sensitive electronics, such as depth finders, should be connected directly to the main engine battery. Single battery systems require separate connection cables.

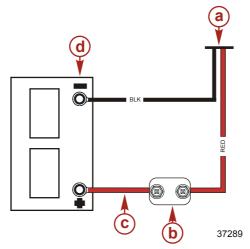
#### WIRING AND BATTERY INFORMATION

#### **Battery Connection**

#### **A** CAUTION

Disconnecting or connecting the battery cables in the incorrect order can cause injury from electrical shock or can damage the electrical system. Always disconnect the negative (-) battery cable first and connect it last.

#### 12-VOLT BATTERY CONNECTION



a - Power cable

c - Jumper wire

**b** - 50 A circuit breaker

**d** - Common ground

Connect the red battery lead from the power cable to the positive (+) battery post. Connect the black battery lead from the power cable to the negative (–) battery post.

Install a 50 A circuit breaker in line with the positive lead.

Recommended MotorGuide Accessory Description	Part Number
50 A Manual Reset Breaker	MM5870

#### TROLLING MOTOR INSTALLATION AND OPERATION

#### **Transom Mount Installation**

NOTE: Fits up to 3-1/4 in. thick transoms.

- 1. Select an appropriate area on the transom of the boat to install the mount.
- 2. Retract the transom clamp screws.
- 3. Place the transom mount over the transom of the boat. Ensure the mount is securely positioned.



4. Tighten the transom clamp screw securely.

IMPORTANT: Overtightening the transom clamp screws can weaken or damage the mount bracket.

#### Stowing and Deploying the Trolling Motor

#### **WARNING**

Rotating propellers can cause serious injury or death. Never start or operate the motor out of water.

#### STOWING THE MOTOR

#### **A** CAUTION

Moving parts, such as hinges and pivot points, can cause serious injury. Keep away from moving parts when stowing, deploying, or tilting the motor.

#### TROLLING MOTOR INSTALLATION AND OPERATION

1. Firmly grasp the column and press down on the tilt-positioning pin.



Tilt-positioning pin

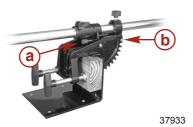
2. Pull back on the column while simultaneously pressing down on the tilt-positioning pin to reach the desired angle.



37986

#### Angled position

3. Release the tilt-positioning pin. Verify that the latch pin is securely engaged.



- a Tilt-positioning pin
- **b** Latch pin

### TROLLING MOTOR INSTALLATION AND OPERATION **DEPLOYING THE MOTOR**

#### **A** CAUTION

Moving parts, such as hinges and pivot points, can cause serious injury. Keep away from moving parts when stowing, deploying, or tilting the motor.

1. Firmly grasp the column and press down on the tilt-positioning pin.



Tilt-positioning pin

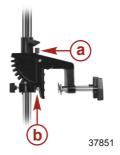
2. Adjust the angle of the motor to the desired postion.



Angled position

#### TROLLING MOTOR INSTALLATION AND OPERATION

3. Release the tilt-positioning pin. Verify that the latch pin is sercurely engaged.

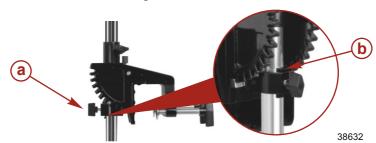


- a Tilt-positioning pin
- **b** Latch pin

#### Adjusting the Steering Tension

Adjust the steering tension knob to increase or decrease the effort to turn the motor freely.

To fasten the column in a fixed position, tighten the friction strip by turning the steering tension knob clockwise. To unfasten the column from a fixed position, turn the steering tension knob counterclockwise to reach the desired steering tension.



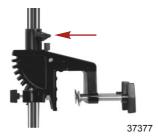
- a Steering tension knob
- **b** Friction strip

#### Adjusting the Motor Depth

Adjusting the depth of the motor improves trolling motor performace in various water depths.

#### TROLLING MOTOR INSTALLATION AND OPERATION

Firmly grasp the column with one hand while turning the depth collar adjustment knob clockwise until the motor column slides freely. To secure the column in the desired depth position, turn the depth collar adjustment knob counterclockwise and then tighten securely.



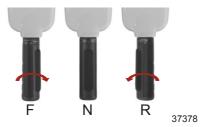
Depth collar adjustment knob

IMPORTANT: When adjusting the motor depth, ensure the lower unit is submerged 25 cm (9.8 in.) to avoid choppy water or propeller cavitation.

#### **Speed Control**

Adjust the speed control (five forward speeds and two reverse speeds) to the desired direction and thrust level.

Rotate the twist-tiller handle clockwise for forward movement and counterclockwise for reverse movement. The neutral handle position stops the motor.



Forward, neutral and reverse handle rotation

#### **Trolling Motor Care**

To keep your trolling motor in the best operating condition and retain its dependability, it is important that your trolling motor receive periodic inspections and maintenance. We urge you to keep it maintained properly to ensure the safety of you and your passengers.

#### **MARNING**

Neglecting to inspect, maintain, or repair your trolling motor can result in product damage or serious injury or death. Do not perform maintenance or service on your trolling motor if you are not familiar with the correct service and safety procedures.

Record maintenance performed in the **Maintenance Log** at the back of this book. Save all maintenance work orders and receipts.

#### SELECTING REPLACEMENT PARTS

We recommend using original MotorGuide Certified Tough replacement parts.

# Inspection and Maintenance Schedule BEFORE EACH USE

- Check the tightness of the battery lead connections.
- Visually inspect for loose or corroded wiring connections.
- · Check the tightness of the propeller nut.
- Check the propeller blades for damage.

#### **AFTER EACH USE**

- Disconnect the battery cables from the power source.
- Check the propeller and the propeller shaft for debris such as weeds and fishing line. Remove all debris.
- · Check the tightness of the propeller nut.
- Rinse the trolling motor with clean water to remove dirt and dust that may scratch the surface.

#### **EVERY 100 HOURS OF USE OR ANNUALLY**

- Periodically lubricate all the pivot points. Refer to Pivot Points.
- Check the tightness of bolts, nuts, and other fasteners.

• Inspect the battery. Refer to **Battery Inspection**.

#### BEFORE PERIODS OF STORAGE

 Refer to Maintenance - Inspection and Maintenance Schedule and complete the appropriate care instructions to prepare your trolling motor for storage.

#### **Lubricating the Pivot Points**

To reduce friction, lubricate the the following pivot points periodically:

- Pivot pin
- · Latch pin
- · Tilt-positioning pin
- Tilt-positioning pin spring

IMPORTANT: Never use an aerosol lubricant to grease or oil any part of the unit. Many aerosol lubricants contain harmful propellants that can cause damage to various parts of the trolling motor.

Tube Ref No.	Description	Where Used	Part No.
95 🕠	2-4-C with Teflon	Pivot points	92-802859A 1

#### **Battery Inspection**

The battery should be inspected at periodic intervals to ensure proper trolling motor operation.

IMPORTANT: Read the safety and maintenance instructions which accompany your battery.

- 1. Ensure that the battery is secured to the vessel.
- 2. Ensure that the battery cable terminals are clean, tight, and correctly installed. For installation instructions, refer to **Battery Connection**.
- 3. Ensure that the battery is equipped with a battery box to prevent accidental shorting of the battery terminals.

#### **Propeller Replacement**

#### **WARNING**

Performing service or maintenance without first disconnecting the battery can cause product damage, personal injury, or death due to fire, explosion, electrical shock, or unexpected motor starting. Always disconnect the battery cables from the battery before maintaining, servicing, installing, or removing motor components.

#### REMOVING THE PROPELLER

- 1. Disconnect the power cables from the battery.
- 2. While holding the propeller blade with one hand, use a propeller wrench to remove the propeller nut.

IMPORTANT: Remove the propeller nut with a propeller wrench. Using another tool may damage the propeller nut or shaft. If the propeller cannot be removed easily, use a rubber mallet to lightly tap the back side of the opposite blade. If the propeller cannot be removed, have the propeller removed by an authorized dealer.

NOTE: If the propeller pin is bent, replace the propeller pin.



Propeller wrench

Recommended MotorGuide Accessory Description	Part Number
MotorGuide Prop Wrench Kit	MGA050B6

#### **INSTALLING THE PROPELLER**

1. Rotate the motor shaft to insert the propeller pin horizontally.



Propeller pin

2. Install the propeller onto the motor shaft by engaging the propeller onto the propeller pin.



3. Install the propeller nut. Tighten securely.



Propeller wrench

4. Use the propeller wrench to tighten the propeller nut another ½ turn.

## **TROUBLESHOOTING**

# **Trolling Motor Performance**

Symptom	Possible Cause	Resolution
	Weak battery	Refer to Wiring and Battery
	Loose or corroded battery connections	Information.
Loss of power	Propeller is loose, damaged or off-balance	Refer to <b>Maintenance</b> .
	Wiring or electrical connection faulty	Wire gauge from the battery to the trolling motor is insufficient. Six-gauge wire is recommended.
Eveneive noise	Motor shaft is bent	Refer to Warranty Information.
Excessive noise, vibration	Propeller is loose, damaged or off-balance	Refer to <b>Maintenance</b> .
	Weak battery	Refer to Wiring and Battery
	Loose or corroded battery connections	Information.
Motor failure (all speeds)	Electrical	Check the connector for a loose or damaged connection. Refer to Wiring and Battery Information.
	Fuse on circuit breaker is open	Replace the fuse or reset the circuit breaker only after determining the root cause of the problem.
Motor failure (one or	Propeller is loose, damaged or off-balance	Refer to <b>Maintenance</b> .
more speeds)	Wiring or electrical connection faulty.	Refer to Warranty Information.

#### **STORAGE**

#### **Storage Preparation**

The major consideration in preparing your trolling motor for storage is to protect it from corrosion and damage caused by freezing of trapped water.

Refer to the **Maintenance - Inspection and Maintenance Schedule** section and complete the appropriate care instructions to prepare your trolling motor for storage. Store the trolling motor in a dry location where it will not be affected by temperatures below -29 °C (-20 °F).

IMPORTANT: Trolling motors stored in temperatures below 0  $^{\circ}$ C (32  $^{\circ}$ F) should be operated slowly for a minimum of 15 minutes before going above 30% operation.

#### OWNER SERVICE ASSISTANCE

#### **MotorGuide Accessories Inquiries**

All inquiries concerning accessories should be directed to your local authorized dealer. The dealer has the necessary information to order accessories for you. When inquiring on accessories, the dealer requires the model and serial number to order the correct parts.

#### **Mercury Marine Service Offices**

For assistance, call, fax, or write. Please include your daytime telephone number with mail and fax correspondence.

United States			
Telephone	(920) 929-5040	Mercury Marine	
Fax	(920) 929-5893	W6250 W. Pioneer Road	
Website	www.motorguide.com	Fond du Lac, WI 54936-1939	

Canada		
Telephone	(905) 567-6372	Mercury Marine Ltd.
Fax	(905) 567-8515	2395 Meadowpine Blvd. Mississauga, Ontario L5N 7W6 Canada

Australia, Pacific		
Telephone	(61) (3) 9791-5822	Mercury Marine Australia
Fax	(61) (3) 9793-5880	132-140 Frankston Road Dandenong, Victoria 3164 Australia

Europe, Middle East, Africa		
Telephone	(32) (87) 32 • 32 • 11	Marine Power - Europe, Inc.
Fax	(32) (87) 31 • 19 • 65	Parc Industriel de Petit-Rechain B-4800 Verviers, Belgium

Mexico, Central America, South America, Caribbean			
Telephone	(954) 744-3500	Mercury Marine	
Fax	(954) 744-3535	11650 Interchange Circle North Miramar, FL 33025 U.S.A.	

# **OWNER SERVICE ASSISTANCE**

Japan			
Telephone	81-053-423-2500	Mercury Marine - Japan	
Fax	81-053-423-2510	Anshin-cho 283-1 Hamamatsu Shizuoka-ken, Japan 435-0005 Japan	

Asia, Singapore			
Telephone	5466160	Mercury Marine Singapore	
Fax	5467789	72 Loyang Way Singapore, 508762	

#### **MAINTENANCE LOG**

#### **Maintenance Log**

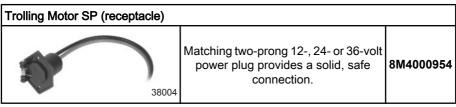
Record all maintenance performed on your trolling motor here. Be sure to save all work orders and receipts.

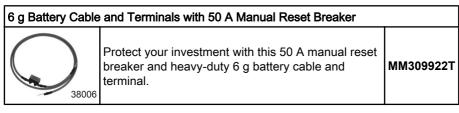
Date	Maintenance Performed	Operation Hours
	1	

#### **ACCESSORIES**

#### **Trolling Motor Accessories**

Trolling Motor Power Plug			
	38003	Two-prong, 12-, 24- or 36-volt power plug provides a solid, safe connection.	8M4000953





50 A Manual Reset Breaker			
38007	Protect your motor and boat wiring.	MM5870	

2-Blade Power Prop Kit			
38280	Hub size: 3" Application: power and efficiency Includes 2-blade propeller, prop nut and small prop pin	MGA0476B	

#### **ACCESSORIES**

# MotorGuide Prop Wrench Kit Comes complete with spare prop nut and two prop pins, allowing fast prop changes. MGA050B6