

# Diplomat 2007

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The information contained in this document is intended to reflect standard and optional equipment included in a typically equipped model at the time of delivery to the initial retail owner. Your actual unit may vary from this document as a result of optional equipment that is not generally offered on this model. In the case that you are not the initial retail owner of the unit, this document will not reflect modifications that may have been performed by previous owners.

Product information and specifications are shown herein as of the time of printing.  
The motorhome manufacturer reserves the right to change product specifications, designs and standard equipment without notice and without incurring obligation.

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Brand name products of other companies mentioned in this manual are not endorsed by the manufacturer of the motorhome.

# Diplomat 2007

## General Information — Section I

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**WARRANTY INFORMATION FILE**

In addition to this Owner's Manual you will find a Warranty Information File in your unit. This file contains valuable documents about your motorhome's systems and equipment. Many of the component manufacturer's warranty registration cards can be found in the box. They will need to be filled out and mailed. Be sure you read and understand all the information in this file to help you safely operate, maintain and troubleshoot those items.

**Additional Information:**

Changes, additions and supplemental information in the form of Manual Addendums and "Tech Tips" can be obtained by visiting our Web Site at [www.monaco-online.com](http://www.monaco-online.com). Select one of the products from the product lineup. Go to the Service menu. A submenu will appear. It may also be helpful to browse the "Tech Tips" menu for the other product lines. The tips may not completely apply to your particular model, but information contained therein can be useful.

**REPORTING SAFETY DEFECTS**

If you believe that your motorhome has a defect which could cause a crash or could cause injury or death, you should immediately inform the National Highway Traffic Safety Administration (NHTSA) in addition to notifying Monaco Coach. If NHTSA receives similar complaints, it may open an investigation, and if it finds that a safety defect exists in a group of motorhomes, it may order a recall or

remedy campaign. However, NHTSA cannot become involved in individual problems between you, your dealer or Monaco Coach. To contact NHTSA you may call the Auto Safety Hot line toll-free at 1-888-327-4236 (TTY: 1-800-424-9153) (or 1-202-366-0123 in the Washington D.C. area), visit their websites at [www.nhtsa.gov](http://www.nhtsa.gov) or [www.safercar.gov](http://www.safercar.gov), or write to:

NHTSA  
U.S. Department of Transportation  
400 Seventh Street S.W.  
Washington, DC 20590

**SAFETY TERMS**

Many of the safety terms are personal safety instructions. Definitions for the terms are listed below. It is important to thoroughly read and understand the safety instructions displayed throughout the manual. Failure to comply with specific instructions may result in personal injury or death. Many instructions are required by National Safety Associations.

**WARNING:**

Warnings contain information regarding personal safety and/or pertaining to potential extensive or permanent damage to the motorhome or its components by means of hazards or improper use.

**CAUTION:**

Cautions pertain to potential damage to the motorhome and/or its components.

**POISON:**

A warning or caution pertaining to safety and/or use of a poisonous substance or harmful chemical.

**NOTE:**

Information and reminders concerning proper operation of the motorhome and/or its components.

**INSPECTION:**

Inspection of the motorhome and/or its components is required. Additional instruction may follow.

**LUBE:**

Lubrication, or addition of a lubricant product, to the motorhome and/or a specified component or part is required. Additional instruction may follow.

**ASSEMBLE or REPAIR:**

Assembly, disassembly or installation of a component or part, and/or repair to the motorhome may be required. Assistance of Technical Support or Technician may be necessary.

**INFORMATION:**

References to additional information regarding operation of the motorhome and/or its components found in additional sources, other than the Owner's Manual. Also refers to the WARRANTY INFORMATION FILE, found within the Warranty Information Box in the motorhome.

**TIP:** Tips contain information, helpful hints and/or suggestion for ease of operation of the motorhome or its components.

## GLOSSARY OF TERMS

**AC Electricity** - Alternating current also known as household power.

**Air Compressor** - Pumps air to and builds air pressure in an air system.

**Air Dryer** - Cools, filters and dries the air delivered by an air compressor.

**Air Governor** - Controls the operation of the air compressor by constantly monitoring air pressure in the supply tank of the air system. The air governor initiates the unload cycle when the cut-out pressure is reached. The air governor also controls the air dryer by sending an air signal (at the beginning of the compressor unload cycle) to the control port of the air dryer, initiating the purge cycle. When this air signal is removed by the governor (at the beginning of the compressor load cycle) the purge valve closes and the drying cycle begins.

**Alternating Current (AC)** - A current that varies periodically in magnitude and direction. A battery does not deliver alternating current. Also referred to as shore power, utility power, inverter power, generator power, etc.

**Ampere (Amp)** - The unit of measure of electron flow rate of current through a circuit.

**Ampere-hour (Amp-hr. AH)** - A unit of measure for a battery electrical storage capacity, obtained by multiplying the current in amperes by the time in hours of discharge. *Example:* A battery which delivers 5 amperes for 20 hours, delivers 5 amperes times 20 hours, or 100 Amp-Hr. of capacity.

**ANSI** - American National Standards Institute.

**ASTM** - American Society for Testing and Materials.

**Black Water** - Term associated with the sewage holding tank. The toilet drains directly into this tank.

**CCA** - Cold Cranking Amperage is the amount of current a battery can deliver for 30 seconds at 0° F without dropping below a specified voltage, usually 10.5 Volts DC.

**Chassis Battery** - Powers chassis 12 Volt accessories and starts engine.

**Circuit** - An electric circuit is the path of an electric current. A closed circuit has a complete path. An open circuit has a broken or disconnected path.

**City Water** - A term associated with the water supply that you hook-up to at campgrounds. It is called city water because

water is pulled from a central source (like in a city) and not the fresh water tank.

**Compressor Load Cycle** - The time during which the air compressor is building air pressure in an air system.

**Compressor Unload Cycle** - The time during which the air compressor is idling and is not building air pressure in an air system.

**Curbside** - This refers to the side of the motorhome which faces the curb when it is parked. Often called the door side or the passenger side.

**Current** - The rate of flow of electricity or the movement rate of electrons along a conductor. It is comparable to the flow of a stream of water. The unit of measure for current is the ampere.

**Cut-In Pressure** - The pressure level in the air system supply tank which triggers the compressor load cycle.

**Cut-Out Pressure** - The pressure level in the air system supply tank which triggers the compressor unload cycle.

**Cycle** - In a battery, one discharge plus one recharge equals one cycle.

**Desiccant** - A granular substance that has a high affinity for water and is used to retain moisture from the air stream flowing through the air dryer cartridge.

**Direct Current (DC)** - Power that is stored in a battery bank or supplied by photovoltaics, alternator, chargers and DC generators. Direct current is also known as battery power. Current only flows one way.

**Drain Trap** - This is a curve that is in all drains. Water is trapped in the curve and this creates a barrier so tank odors cannot escape through the drain.

**Dry Camping** - Camping in the motorhome when there is no city water hook-up or shore power. In other words, using only the water and power that is in the motorhome and not from another source.

**Drying Cycle** - The time during which the air dryer cools, filters and removes moisture from the air delivered by the air compressor. The drying cycle begins and ends the same as the compressor load cycle.

**Dump Station** - A site where the waste (grey) and sewage (black) tanks can be drained. In most states it is illegal to drain waste tanks anywhere other than at a dump station.

**Dump Valve** - Another name for the T-handle valve used to drain the sewage (black) and waste (grey) tanks.

**Escape (Egress) Window** - The formal name for the emergency window located in the rear of the motorhome. Egress windows can be easily identified by their red handles.

**Full Hook-Up Site** - A campground that has city water, shore power and sewer hook-ups or connections available.

**Grey Water** - Term associated with the waste water holding tank. Water from the sink drains, the shower and the washer-dryer (if equipped) go into this tank.

**House Battery** - Powers 12 Volt DC lights and accessories inside motorhome.

**LED (Light Emitting Diode)** - Indicator light.

**Low Point Drain** - The lowest point in the plumbing. These drains must be closed when you fill the water tank.

**OEM** - Term for Original Equipment Manufacturer.

**OHM** - A unit for measuring electrical resistances.

**Ohm's Law** - Expresses the relationship between Volt (E), amperes (I) in an electrical circuit with resistance (R). It can be expressed as follows:  $E = IR$ . If any two of the three values are known, the third value can be calculated by using the above formula.

**Potentiometer** - A device for measuring an unknown potential difference or electromotive force.

**Pounds Per Square Inch Gauge (psig)** - Pressure measured with respect to that of the atmosphere. This is a pressure gauge reading in which the gauge is adjusted to read zero at the surrounding atmospheric pressure. It is commonly called gauge pressure.

**Purge** - The initial blast of air (decompression) from the air dryer purge valve at the beginning of the air compressor.

**Purge Cycle** - The time during which the air dryer is undergoing purge and regeneration. This cycle starts at the beginning of the compressor unload cycle and normally ends well before the beginning of the compressor load cycle.

**Regeneration** - The mild backflow of air through the air dryer and out the purge valve that begins immediately after the purge and lasts normally 10 to 15 seconds. This backflow of air, from the air system and through the air dryer, removes moisture from the desiccant cartridge and prepares the air dryer for the next compressor load cycle.

**Roadside** - This refers to the side of the motorhome which faces the road when it is parked. Often called the off-door side or the driver side.

**SCA** - Term for Supplemental Coolant Additive. Chemical added to coolant for diesel engines to help prevent cylinder liner pitting and internal corrosion.

**Shore Line** - This is the electrical cord which runs from the motorhome to the campground 120 Volt AC electrical supply.

**Shore Line Plug** - The 120/240 Volt AC outlet allows the motorhome to be hooked up to a campground facility.

**Stinger** - An arm attachment on a tow truck that is used to lift the motorhome slightly for towing.

**VIM** - Vehicle Interface Module.

**Volt** - The unit of measure for electric potential.

**Watt** - The unit for measuring electrical power, i.e. the rate of doing work, in moving electrons by or against an electric potential.

**Wet Cell Battery** - A type of battery that uses liquid as an electrolyte. This type of battery requires periodic maintenance to clean the connections and check the electrolyte level.

## VENDOR LIST

**Air Bags**  
Firestone  
800-367-3872  
[www.bridgestone-firestone.com](http://www.bridgestone-firestone.com)

**Air Conditioner - Dash**  
SCS/Frigette  
800-275-7524  
[www.scsfrigette.com](http://www.scsfrigette.com)

**Air Conditioner - Roof**  
Dometic Corp.  
800-544-4881  
[www.dometic.com](http://www.dometic.com)

**Air Filter**  
Donaldson  
952-887-3131  
[www.donaldson.com](http://www.donaldson.com)

**Air Mattress (Optional)**  
Select Comfort  
800-318-2231  
[www.selectcomfort.com](http://www.selectcomfort.com)

**Aladdin™ (Optional)**  
Monaco Coach Corporation  
Technical Support  
877-466-6226

**Alternator**  
Leece-Neville  
800-354-0560  
[www.prestolite.com](http://www.prestolite.com)

**Awnings**  
Carefree  
303-469-3324  
[www.carefreeofcolorado.com](http://www.carefreeofcolorado.com)

**Axles - Brakes**  
Eaton Corporation  
800-826-4357  
[www.truck.eaton.com](http://www.truck.eaton.com)

**Batteries**  
Interstate  
800-772-3600  
[www.interstatebatteries.com](http://www.interstatebatteries.com)

**Brakes-Anti-Lock Brake System**  
Eaton  
800-826-4357  
[www.truck.eaton.com](http://www.truck.eaton.com)

**Brakes-Automatic Traction Control**  
Eaton  
800-826-4357  
[www.truck.eaton.com](http://www.truck.eaton.com)

**Carbon Monoxide Detector**  
Safe-T-Alert  
800-383-0269  
[www.safe-t-alert.com](http://www.safe-t-alert.com)

**Cooktop**  
Atwood  
800-873-4328  
[www.atwoodmobile.com](http://www.atwoodmobile.com)

**Dumping System (Optional)**  
RV Sani-Con  
866-410-1965  
[www.emptythetanks.com](http://www.emptythetanks.com)

**Energy Management System**  
Intellitec  
800-251-2408  
[www.intellitecsve.com](http://www.intellitecsve.com)

**Engine**  
Cummins  
800-343-7357  
[www.cummins.com](http://www.cummins.com)

**Entry Step**  
Coach Step  
800-275-7524  
[www.scsfrigette.com](http://www.scsfrigette.com)

**Exhaust Brake**

Jacobs Vehicle Systems  
800-343-7357  
www.jakebrake.com

**Home Theater**

Magnadyne  
800-538-3600  
www.magnadyne.com

**Microwave**

Sharp Electronics Corp.  
800-237-4277  
www.sharp-usa.com

**Fan - Bathroom Exhaust**

Fan-Tastic Vent  
800-521-0298  
www.fantasticvent.com

**Inverter**

Magnum  
305-386-5125  
www.magnumteknologies.com

**Navigation System (Optional)**

Audiovox  
800-645-4994  
www.audiovox.com

**Faucet**

Moen  
800-289-6636  
www.moen.com

**Keyless Entry (Optional)**

Trimark  
800-447-0343  
www.trimarkcorp.com

**Outside Mirrors**

Ramco Industries, Inc.  
800-321-4819  
www.ramco-eng.com

**Filters - Coolant, Fuel, Oil**

Fleetguard  
800-223-4583  
800-22Filter  
www.fleetguard.com

**Leveling Jacks - Hydraulic**

Power Gear  
800-334-4712  
www.powergearus.com

**Power Cord Reel (Optional)**

TDI Products  
866-713-1489  
www.tdiproducts.com

**Fire Extinguisher**

Kidde  
800-880-6788  
www.kiddeus.com

**LP-Gas Detector**

Safe-T-Alert  
800-383-0269  
www.safe-t-alert.com

**Power Hose Reel (Optional)**

TDI Products  
866-713-1489  
www.tdiproducts.com

**Furnace**

Atwood Mobile Products  
800-873-4328  
www.atwoodmobile.com

**LP-Gas Tank**

Manchester  
800-877-8265  
www.mantank.com

**Power Sun Visors**

Carefree of Colorado  
303-469-3324  
www.carefreeofcolorado.com

**Generator**

Onan  
800-888-6626  
www.onan.com

**LP-Gas Controls**

Marshall Gas Controls  
(Division of S.H. Leggett Company)  
800-877-2495  
www.shleggit.com



**Radio**

CD/DVD - Dash  
Magnadyne  
800-538-3600  
www.magnadyne.com

**CD/DVD - Bedroom (Optional)**

Magnadyne  
800-538-3600  
www.magnadyne.com

**Rear Vision System**

Voyager  
www.asaelectronics.com

**Refrigerator**

Norcold  
800-543-1219  
www.norcold.com

**Dometic Corp. (Optional)**

800-544-4881  
www.dometic.com

**Satellite Radio (Optional)**

Sirius  
888-539-7474  
www.siriusradio.com

**Satellite System (Optional)**

Kingdome  
800-982-9920  
www.kingcontrols.com

**Seats - Driver & Passenger**

Flexsteel  
www.flexsteel.com

**Shock Absorbers**

Monroe  
800-880-7580  
www.tenneco-automotive.com

**Slide-out Motor - Cable**

BAL Accu-slide  
800-347-2232  
www.norcold.com

**Slide-out Motor - Electric & Hydraulic**

Lippert Components  
866-524-7821  
www.lippertcomponents.com

**Smoke Alarm**

Safe-T-Alert  
800-383-0269  
www.safe-t-alert.com

**Solar Panels (Optional)**

Morningstar Corp.  
215-321-4457  
www.morningstarcorp.com

**Steering Gear**

TRW  
765-423-5377  
www.trw.com

**Steering Wheel (Smart Wheel)**

Vehicle Improvement Products  
847-395-7250  
www.vipwheels.com

**Storage Bay Slide-out Tray**

Lippert Components  
866-524-7821  
www.lippertcomponents.com

**Television**

RCA  
877-266-2728  
www.rca.com

**Sharp**

800-237-4277  
www.sharp-usa.com

**Television Antenna**

Winegard  
800-288-8094  
www.winegard.com

**Tires**

Goodyear Tire & Rubber  
800-321-2136  
www.goodyear.com

**Toilet**

Thetford  
800-521-3032  
www.thetford.com

**Transfer Switch**

Iota Engineering  
800-866-4682  
www.iotaengineering.com

**Transmission**

Allison Transmission  
800-524-2303  
www.allisontransmission.com

**Vacuum (Optional)**

Eureka  
800-282-2886  
[www.eureka.com](http://www.eureka.com)

**Washer/Dryer (Optional)**

Splendide  
800-356-0766 ext. 5  
[www.splendide.com](http://www.splendide.com)

**Water Filter**

Flowmatic Systems  
800-461-4406  
[www.flowmatic.com](http://www.flowmatic.com)

**Water Heater**

Atwood Mobile Products  
800-873-4328  
[www.atwoodmobile.com](http://www.atwoodmobile.com)

**Water Pump**

Shurflo  
800-854-3218  
[www.shurflo.com](http://www.shurflo.com)

**Wheels - Accushield**

Accuride  
812-962-5000  
[www.accuridewheels.com](http://www.accuridewheels.com)

**Windshield Wipers**

Diesel Equipment  
800-632-4959  
[www.dieselequipment.com](http://www.dieselequipment.com)

# OWNER'S MANUAL SURVEY: Diplomat 2007

Your suggestions are very important to us and we are continually striving to improve the quality of our manuals. After becoming familiar with your new recreational vehicle and the accompanying manual, please take the time to answer the following questions. When you are finished please return the survey via mail to our Technical Publications Department, or you may fax the survey to: **(541) 681-8031 Attention: Technical Publications Department**. Feel free to attach an additional page if you desire.

1. Is this your first recreational vehicle? YES / NO (circle one)

2. If no, what was your previous recreational vehicle brand/model? \_\_\_\_\_

3. Was the overall appearance and lay-out of this manual what you expected to see in your new recreational vehicle?

4. Was the information within this manual helpful in acquainting you with your new recreational vehicle? If not please address any area(s) we need to expand or improve on.

5. Were the operating instructions clearly written, and were you able to follow the steps without any difficulty?

6. Is there any additional information you would like to see incorporated within the owner's manual?

NAME: \_\_\_\_\_

PHONE: (     ) \_\_\_\_\_

ADDRESS: \_\_\_\_\_

VIN # \_\_\_\_\_

**TEAR OFF PAGE AND MAIL TO:**

TECHNICAL PUBLICATIONS P.L.T. 17  
MONACO COACH CORPORATION  
91320 COBURG INDUSTRIAL WAY  
COBURG, OR 97408



# LIMITED WARRANTY TRANSFER APPLICATION/CHANGE OF OWNER INFORMATION

Mail to:

Monaco Coach Corporation  
 Warranty Transfer  
 91320 Coburg Industrial Way  
 Coburg, OR 97408

Please read terms and representations below before signing.

Submitted By:

Name: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_

State: \_\_\_\_\_

Zip: \_\_\_\_\_

Phone: (\_\_\_\_) \_\_\_\_\_

Limited Warranty Transfer

Address Change

**A. Current Owner Information:**

First Name \_\_\_\_\_

Initial \_\_\_\_\_

Last Name \_\_\_\_\_

Vehicle Identification Number \_\_\_\_\_

Unit # (15 digits) \_\_\_\_\_

(6 digits) \_\_\_\_\_

Model/Year \_\_\_\_\_

**B. New Owner Information, Transfer Coverage To:**

First Name \_\_\_\_\_

Initial \_\_\_\_\_

Last Name \_\_\_\_\_

Phone Number \_\_\_\_\_

Street Address \_\_\_\_\_

City \_\_\_\_\_

State \_\_\_\_\_

Zip \_\_\_\_\_

Date of Transfer (If Applicable) \_\_\_\_\_

Odometer Reading at Transfer (If Applicable) \_\_\_\_\_

**C. Signatures:**

(New) Owner's Signature \_\_\_\_\_

Date \_\_\_\_\_

Selling Dealer's Signature (If Applicable) \_\_\_\_\_

Date \_\_\_\_\_

Terms & Representations

By your signature(s) on face side of this form, and in order to induce Monaco Coach Corporation to transfer its Limited Warranty, you represent the following:

1. That you have received and read a copy of the Limited Warranty.
2. You understand that the unit is to be used only for family camping and cross country travel on improved roads.

3. All information provided by you on face side of this form is true and correct.
4. You understand that you are purchasing a pre-owned recreational vehicle and Monaco Coach Corporation does not make any representation as to its present condition.

**TEAR OFF PAGE AND MAIL TO:**  
 WARRANTY TRANSFER, MONACO COACH CORPORATION,  
 91320 COBURG INDUSTRIAL WAY  
 COBURG, OR 97408

