

2006 Monaco Camelot 42-DSQ

Date Purchased: March 13, 2017

License: **BXG-6135**



VIN: **1RF43561162040521**

Coach #: **1666696**

Roadmaster RR10S (Side Radiator) Chassis

Monaco with full body paint. Central air and heat.

- ☐ 4 Slides.
- ☐ Full body paint.
- ☐ 10KW Diesel Generator.
- ☐ Hydro-Hot 3 zone central heating and cooling.
- ☐ 3 Camera rear/side vision system with audio.
- ☐ Automatic 3 point leveling system.
- ☐ 10 airbags.
- ☐ Satellite dish, surround sound system. Corian countertops, leather interior, Convection/microwave, two burner stove, double sinks.
- ☐ Bath and a half. Rear bath tub/shower and electric toilet. Day and night shades. Queen bed in the back. Tons of storage inside and out.

Options:

- Solid surface kitchen sink
- Auto generator start
- Power hose reel
- Power electric reel
- RV Sani-Con tank drainage system
- Storage bay slide out tray
- 14 Cu Ft. 2-way stainless steel refrigerator with ice and water dispenser in door
- Microwave/Convection
- Washer/dryer combo
- Bedroom clock radio AM/FM/CD/DVD player in bedroom
- Automatic satellite system
- Central Vacuum
- Sirius satellite radio
- Rear bathtub and shower
- Ceiling fan in bedroom
- 3 Fantastic 12V attic fan with rain sensor and electronic wall thermostats

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Upgrades:

- TNT TPMS System with 12 sensors.
- Silverleaf VMSPC engine/trans monitoring system with HP tablet interface.
- Garmin RV GPS.
- Tile floor living room, kitchen and cockpit
- Full computer desk with cabinets
- Larger TV's in cockpit and bedroom
- Queen bed with Temperpedic mattress
- Lighting system changed to LED lighting
- Air conditioner Diffusers
- Electric shade and Sunscreens in cockpit
- Spiced Maple cabinetry throughout.

Safety:

- Tyron Safety Bands
- Fire Extinguisher
- Deadbolt lock on entrance door with electronic keypad
- 120V GFI protected circuit
- LP gas detector
- Smoke and carbon monoxide detector
- Bedroom egress window



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Dimensions

	<u>Travel Mode</u>
Width:	100 ½" (2553 mm)
Overall Length:	42' 10" (13,056 mm)
Height:	12' 10" (3912 mm)
Wheelbase:	270' ¼" (6864 mm)
1° Off-Level:	4 ¾" (120 mm) at axle.

	<u>Slide Extension</u>
Max Width (Slides Extended):	161 ½" (4102 mm)
Curb Side Front:	18 ½" (470 mm)
Curb Side Rear:	30" (762 mm)
Road Side Front:	31" (787 mm)
Road Side Rear:	18 ¼" (464 mm)

Tank Capacities

Grey:	227 L / 60 gal
Black:	151 L / 40 gal
Fresh:	378 L / 100 gal
Propane:	208 L / 55 gal
Fuel:	492 L / 130 gal

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Weights

	Rated Max		May 07, 2017		
	kg	lbs	kg	lbs	% of Max
Front:	6622	14600	6560	14462 2 @ 7231	99%
Drive:	9072	20000	8165	18001 4 @ 4500	90%
Tag:	4536	10000	2795	6161 2 @ 3081	62%
Tag Set Pressure:			48 psi		
Rear Total:	13608	30000	10960	24163	81%
Total (GVWR):	20230	44600	17520	38625	87%
Cargo Carrying Capacity:	3690	8136			
Spare On-board Capacity:			2710	5975	
GCWR:	24766	54600	24766	54600	
Available Towing Capacity:	4536	10000	7246	15975 Max Hitch 10000	

Monaco and Car Hauler Weight Calculator



Hitch Weight	
kg	lb
280	617

EMPTY

Trailer Axles	
kg	lb
1710	3770



Steer Axle to Drive Axle: 291 inches
Steer Axle to Hitch: 429 inches
Drive Axle to Hitch: 138 inches

Hitch Wt		Net Change			
		Steer Axle		Drive Axle	
kg	lb	kg	lb	kg	lb
280	617	-133	-293	413	910
300	661	-142	-314	442	975
325	717	-154	-340	479	1056
350	772	-166	-366	516	1138
375	827	-178	-392	553	1219
400	882	-190	-418	590	1300
425	937	-202	-444	627	1381
450	992	-213	-470	663	1463
475	1047	-225	-497	700	1544
500	1102	-237	-523	737	1625
525	1157	-249	-549	774	1706
550	1213	-261	-575	811	1788
575	1268	-273	-601	848	1869
600	1323	-285	-627	885	1950
625	1378	-296	-653	921	2031
650	1433	-308	-680	958	2113
675	1488	-320	-706	995	2194
700	1543	-332	-732	1032	2275

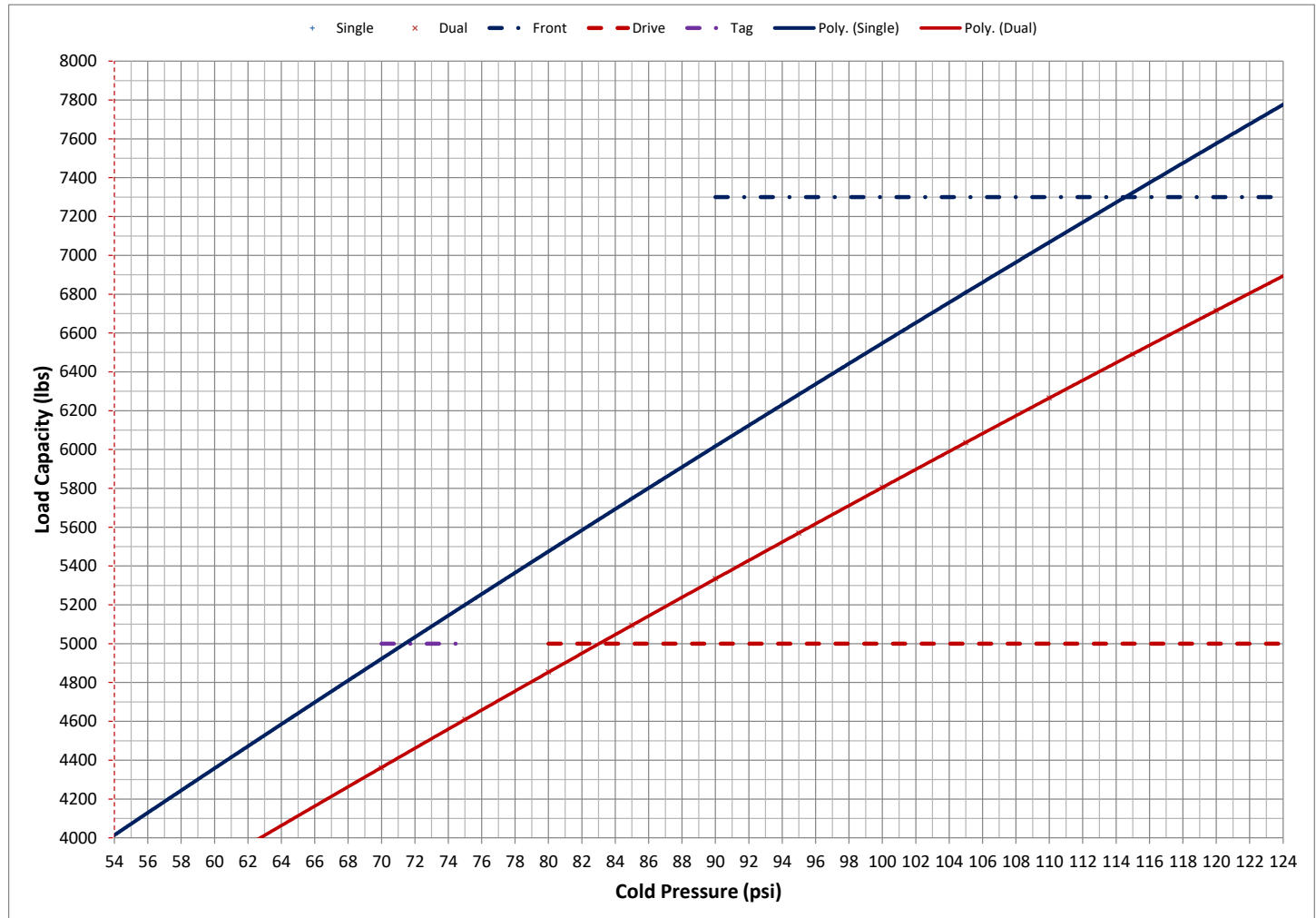
Trailer Length: 23' 3" from center of trailer ball. Combined rig: 69' 3".

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Tires: 295/80R22.5

TIRE SIZE	PLY	L.I./S.R. LOAD INDEX SPEED RATING	CODE	WEIGHT (Lbs/ Kg)	TREAD (32"/ mm)	RIM DESIGN/ ALT. (inches)	INFLATED DIAMETER (in./ mm)	INFLATED WIDTH (in./ mm)	STATIC LOADED RADIUS (in./ mm)	STATIC LOADED WIDTH (in./ mm)	MAX TIRE LOAD SINGLE (Lbs@PS/ Kg@KPa)	MAX TIRE LOAD DUAL (Lbs@PS/ Kg@KPa)	REVS PER (km/ mile)	MAX SPEED (mph/ kph)
M144														
295/80R22.5	16H	152/148M	548080	132.3 60.0	19 15	9.00 8.25-9.00	41.5 1054	11.9 303	18.7 474	13.0 330	7830@125 3550@864	6940@125 3146@864	311 501	81 130

Inflation



Tire Pressure Monitoring System:

TST Truck System Technologies: https://tsttruck.com//shop.html?market_application=24

Model: 507 Series - 10 Flow Thru Sensor TPMS System with Color Display

Batteries: CR1632 (Before installing, check voltage – Must be > 3 Volts)

Product Support: <https://tsttruck.com/product-support>

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Maintenance

Diesel Fuel Additives:

Diesel Kleen - Endorsed by Cummins - [Technical Bulletin](#)

Opti-Lube XPD - Endorsed by some on Monaco Yahoo Group

Leveling System

<http://www.lci1.com/power-gear%C2%AE-hydraulic-leveling-system>

Touchpad #: 500629 or 140-1226

Control Box #: 500630 or 140-1227

Float switch #: Power gear 140-1146 or Lippert 35908

Belts

A/C Belt: Dayco 15465

Alternator Belt: Dayco 3911581

Air Filter

Donaldson P537448 (NAPA: NGF 6891 @ C\$ 307.09)

Fuel Filters

Primary: Fleetguard FS1003 (NAPA: Gold NGF 3604 @ C\$65.59)

Secondary: Fleetguard FF5488

Engine: Cummins ISL 400 8.9 L

S/N: 46580780

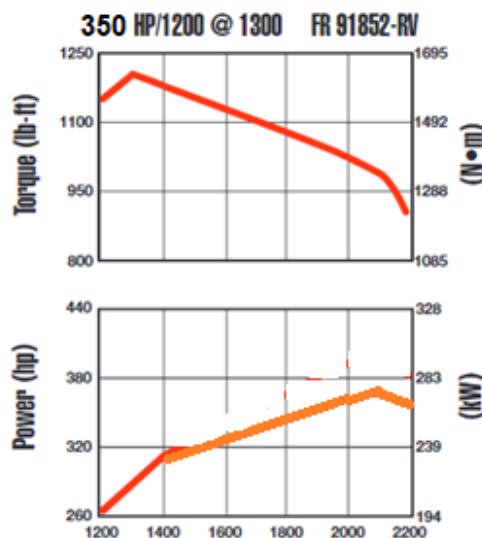
No DEF

Horsepower: 350 @ 2100 RPM

Note: Cummins spec is 400

Torque: 1200 ft-lbs @ 1400 RPM

Governed Speed: 2200 RPM



Engine Oil:

15W40 HD Conventional

Volume: 22.7 Liters / 6 usgal / 24 qts

Filter: Fleetguard LF9009 (NAPA: Gold NGF 1748XD @ C\$84.69)

Engine Cooling System:

Stock: Coolant Additive (SCA): Minimum = 1.2 Maximum = 3.0 units per gallon

Upgrade June 2008: Organic Acid Technology (ES Compleat™ OAT)

Change Interval: 24 months or 60,000 miles

Capacity: 9.75 usgal (39 Qts) = 36.9078 Litres

Thermostat Part #: 5284903

Coolant Reservoir Cap: NAPA 703-1699 (Balkamp BK7031699), 16 lb, Vented,

https://www.napaonline.com/en/p/BK_7031699

Specifications

ADVERTISED HORSEPOWER	350 HP	298 kW
PEAK TORQUE	1200 LB-FT	1627 N·M
GOVERNED SPEED	2200 RPM	
CLUTCH ENGAGEMENT TORQUE	550 LB-FT	746 N·M
NUMBER OF CYLINDERS	6	
OIL SYSTEM CAPACITY	7.3 U.S. GALLONS	27.6 LITERS
SYSTEM WEIGHT	1,685 LB	764 KG
ENGINE (DRY)	1,635 LB	742 KG

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Upgrade May 2019: Source Engineering Wax Valve

Replaced unreliable electronic control module for managing side radiator hydraulic fan speed. The electronic control module is difficult to find, expensive and prone to failure and short service life. When it has failed, the radiator fan runs at maximum speed regardless of engine temperature.

Kit: <http://sourcerv.com/conversion>

- ☐ Wax valve Part #: 553/1/09857/210
- ☐ Hoses and connectors.
- ☐ 0.018 Orifice

Note: The orifice is required to maintain a minimum fan speed to prevent high A/C compressor discharge pressure if A/C is operating, but engine is consuming minimal cooling.

Replacement/spare Wax Valve available from:

<http://www.whitehouseproductsLtd.com/product-details.aspx?pid=18059453&pn=553%2f1&page=4>



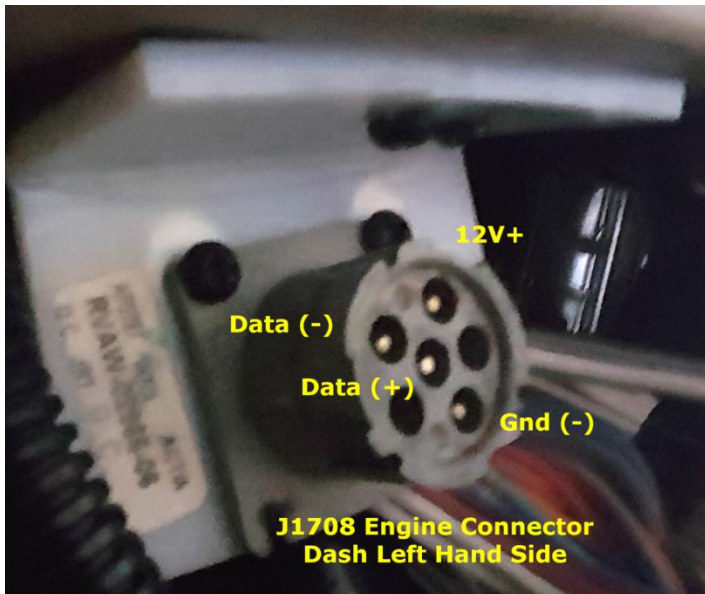
Engine Starter:

(Unconfirmed) Delco-Remy
39MT
8300013

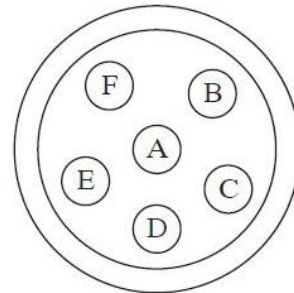


Engine Data

Link – J1708



J1708



Six-Pin Diagnostic

*A - Data Link +
B - Data Link -
C - Power
E - Ground*

Engine & Transmission Monitoring (Real Time)

VMSPc by Silverleaf Electronics (<http://www.silverleafelectronics.com/node/6>)

Via: HP tablet

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Throttle Position Sensor

Type: Hall Effect Sensor

Part #: 050g-e4634

Note: No longer made.



Possible replacement

Part # ACDelco 065-22706224

Fits: 2005 – 2007 Saturn Ion

2007 -2010 Pontiac G5

2005 – 2006 Pontiac Pursuit



Hydraulic System (steering & cooling fan)

Hydraulic Oil Filters (3):

Specified: **Nelson: 84101B**

Alternates:

NAPA Industrial Hydraulics: W02AP536

WIX Industrial Hydraulics: W02AP536

Hydraulic Oil: Dexron III / Mercon. Alt: AW46 or 15W40 (Do not mix)

Note: Need approx.. 10 L - 12L to refill reservoir after drain down and filter replacement.

Air Dryer

Meritor Wabco System Saver 1200

Air Dryer Cartridge:

Meritor Wabco R950011

Alliance Parts ABP/N10G-R950011

NAPA: FLE 950011G3

Transmission: Allison 3000 MH 6 speed S/N: 6510625589

Filters(2): High Capacity Filter Kit **29548988** (*Rep - 29558118?*)

Filter Change Interval: 75,000 miles (120,000 km) / 3000 hrs / 36 months

Fluid Change: 300,000 miles (480,000 km) / 6000 hrs / 48 months

Volume: 18.0 Liters / 4.75 usgal

Approved Fluids – TES 295

Castrol Transynd, App Num: AN-011001

BP Autran Syn 295™, App Num: AN-031002

BASF Emgard 2805™, App Num: AN-031003

International Fleetrite Synthetic ATF™, App Num: AN-031004

Mobil Delvac Synthetic ATF™ / Mobil Delvac 1 ATF™, App Num: AN-051005

John Deere HD SynTran™, App Num: AN-071006

Mack Synthetic ATF™, App Num: AN-1010007

Shell Spirax S6 ATF A295™, App Num: AN-121008

CNH HD Synthetic ATF™, App Num: AN-121009

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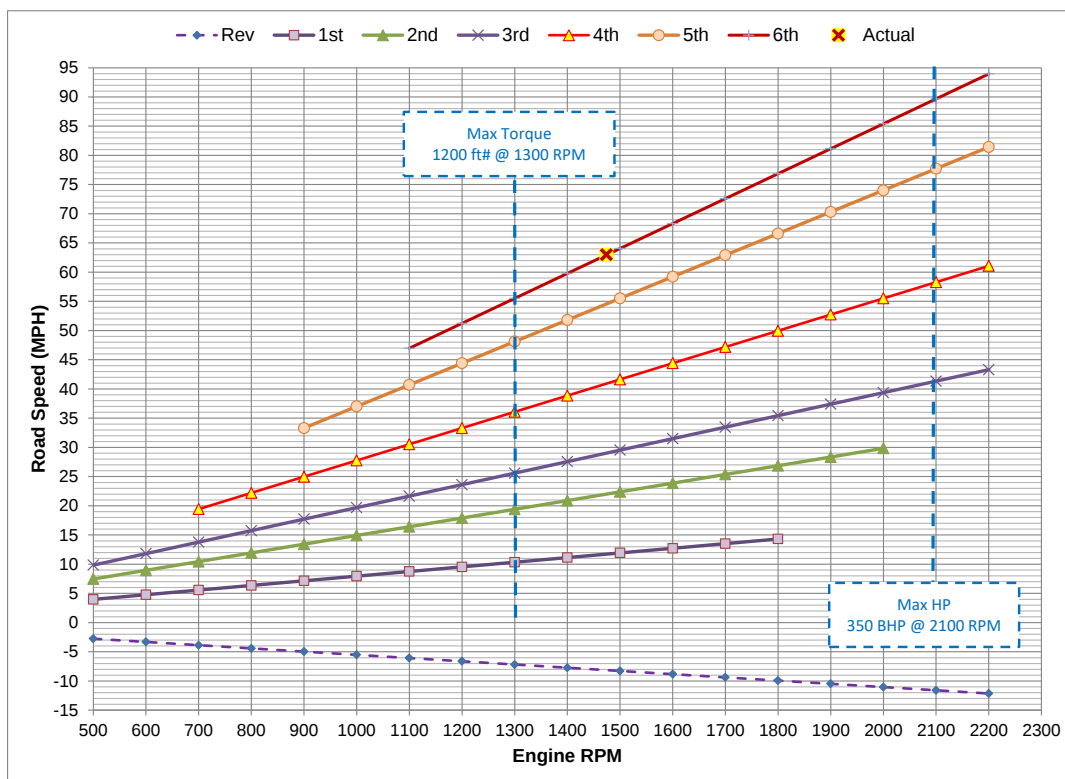
Transmission Configuration as Installed

#	Description
FTL	LEFT FILL TUBE OR PLUG
RSN	NO REAR SUPPORT BRKT.
01-835	MAIN HSG. MD - GEN 4
02-636	W/O FILL TUBE & DIPSTICK
05-598	MAIN SHAFT MODULE (CR)
08-813	MD1610 FULL ROUND YOKE W/SHIELD
10-603	OIL PUMP STD W/O PLATE
14-1003	P1 PLANETARY MOD (CR&WR)
15-509	P2 PLANETARY MODULE (CR)
16-1826	CNTRL VALVE MD,4" SUMP , OLS, PLUS 4
20-509	REAR REMOTE PROVISION
21-936	TC421 CONVERTER MODULE MD**
24-771	TRNS SE CUM"C",6 BOLT
25-542	ROTATING CL 3066/B4 STD
34-542	CONVERTER HOUSING STD
39-884	MD,REAR COVER, CR,NO TACHO, 1BOLT,N/O,S/

Stall Torque Ratio: 1.77 (TC-421 Converter Module**)

Mechanical Ratios (do not include torque converter multiplication)

Rev	1st	2nd	3rd	4th	5th	6th
-5.03:1	3.49:1	1.86:1	1.41:1	1.0:1	0.75:1	0.65:1



Differential

Rear Axle Ratio: 4.30 to 1

Lubricant: API GL-5 or MT-1 type gear lubricant, 75w-90 Full Synthetic

Volume: 15.1 Liters / 4.0 usgal (approx..)

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Tag Axle

Lubricant: API GL-5 or MT-1 type gear lubricant, 75w-90 Full Synthetic

Batteries

House: 4 x 6 Volt Lead acid.

Part #: SLIGC110

20 AH CAP: 115 (discharge to 0% over 20 hours @ 115/20 = 5.75 Amps)

105 Min @ 75 Amps

Tray: 19 7/8" (W) X 17 3/8" (Deep)

Chassis: 2 x 12 Volt No Maint Lead Acid

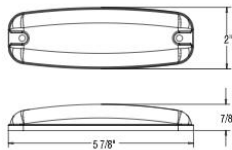
Marker/Clearance Lights

Front: Kaper II L14-0026A – Replaced May 2019

Rear: Kaper II L14-0026R

LED MARKER LAMP 12 DIODE

FMVSS: P2 P3



L14-0026R



L14-0026A



FEATURES:

- 5 7/8" x 2"
- 2 bare wire

MATERIAL:

- Polycarbonate lens
- ABS housing

LIGHT SOURCE:

L14-0026R

- 12 light emitting diodes
- Tested at 12.8V

L14-0026A

- 12 light emitting diodes
- Tested at 12.8V

Paint Colors

Color Scheme: Ultramarine

Dark Green – Thistle Green Metallic

Mid Green – Bermuda Teal Metallic

Gold – Ivorywood Metallic (or Ironwood??)

2006 Monaco Signature Series Model Lineup

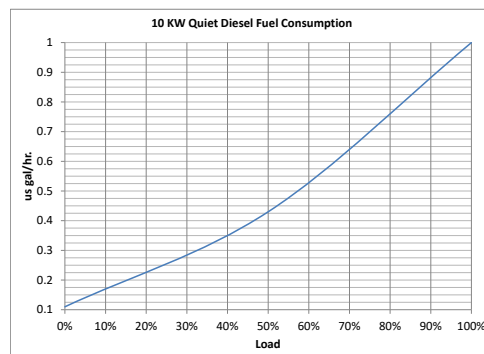
1. Executive
2. Dynasty
3. Windsor
4. **Camelot**
5. Diplomat
6. Knight
7. Cayman
8. LaPalma
9. Monarch SE
10. Esquire

2006 Monaco Camelot 42-DSQ

Generator

Onan Quiet Diesel 10000
Model #: 10HDKCA11506B Spec: B
S/N: B060885264
Amps: 41.7
Options: B273-2, R10A-2, A223-1, F166-1, L045-1, P090-1, Spec-B, 10HDKCA
Starter Current Draw: 197 Amps @ 15 °C (60 °F) [Initial Peak 207 Amps]
Air Cleaner: 140-3071 (Donaldson P822686)
Fuel Filter: 149-2513
Oil Filter: 122-0897 / 122-0893 (Kubota HH164-32430)
Oil Capacity = 5.68 Liters (6.0 quarts) w/oil filter
5F to 120F – 15W40 (-13 F to 88 F – 10W30 / -40 F to 88 F – 5W30)
Fuel Consumption:

0 Load: 0.11 usgph
½ Load: 0.43 usgph
Full Load: 1.0 usgph



HydroHot Heater

Model: HHE-200-09E
Serial #: HE06-0512
Manufacture Date: 03-06
Diesel-Burner Serial #: 07231
Diesel-Burner, Heat Input (Firing Rate): 50,000 BTU (14.65 KW)
Diesel-Burner, Fuel Consumption (Continuous Operation): 0.40 gal/hr
Heater, Voltage/Maximum Power Consumption: 12 Vdc /60 watts
Electric Heating Element: 120 Vac /1650 watts
Zone Heat Circulation Pump: 2 @ 12 Vdc/21 watts
Number of Heating Zones: 2 - *plus* Engine Preheat
Domestic Water Heating Capacity: continuous/on-demand
GRAS
Antifreeze Type: (Generally Recognized as Safe)
Propylene Glycol (Red)
Antifreeze Concentration: 50/50
Freeze Point: -28 °F (-33 °C)
Boiling Point: 222 °F (105.6 °C)
Dimensions: 12"H x 18.5"W x 30"L
Dry Weight: ~ 127 lbs.
Wet Weight: ~ 184 lbs.
Garber R Fuel Filter
○ FLE-120-100
Fuel Filter: Alt:
○ Luber Finer LFF5
○ Napa 3109

Wet Bay Heater

Model 3000RV
Snap Disc: 36TX21 21190 L55-15F A0525

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Air Conditioners

Make: Dometic
MFG #: 651515.301K0
Prod #: 991762342
SKU: 9108561078
S/N (rear Unit): 00896620
13500 BTU
10.5 Amp Heater
20 Amp max draw (with or without heater)
Refrigerant: 410A / 25.0 oz.

Headlights

Curb Side / Passenger Side SAE HR 96 DOT (R) TYC 20-5197-90
Same unit at 97-05 Buick Century and 97-04 Buick Regal



Road Side / Drivers Side SAE HR 96 DOT (L) TYC 20-5198-90
Same unit at 97-05 Buick Century and 97-04 Buick Regal



Windshield Wipers

Recommended Wiper for 2006 Monaco
Camelot

TRICO RV »
32" Blade - Driver & Passenger Side Part
#: 67-321



[Where to Buy »](#)

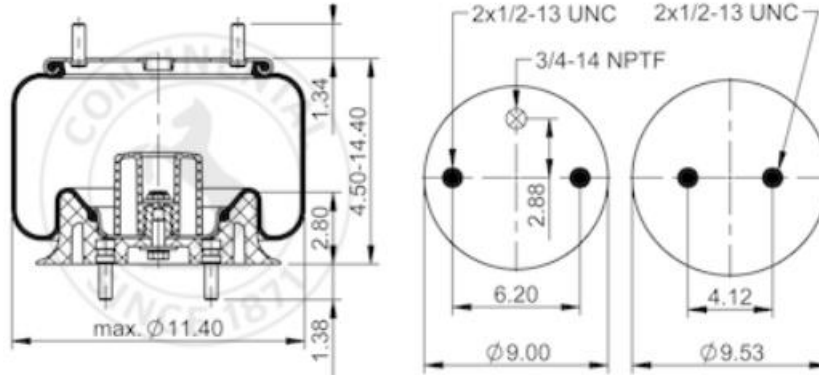
Windshield Wiper Motor

Wexco G138 (400.01000.5512) 05304
55 nm.
Alt: 17299 KOR 1M26372917J26A74A (Not Confirmed)

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Air Bags (10 Required)

Contitech 99-12 (Monaco # 0180-4591) (Alt Contitech #s 99-12P379 or 64361)



Alternates:

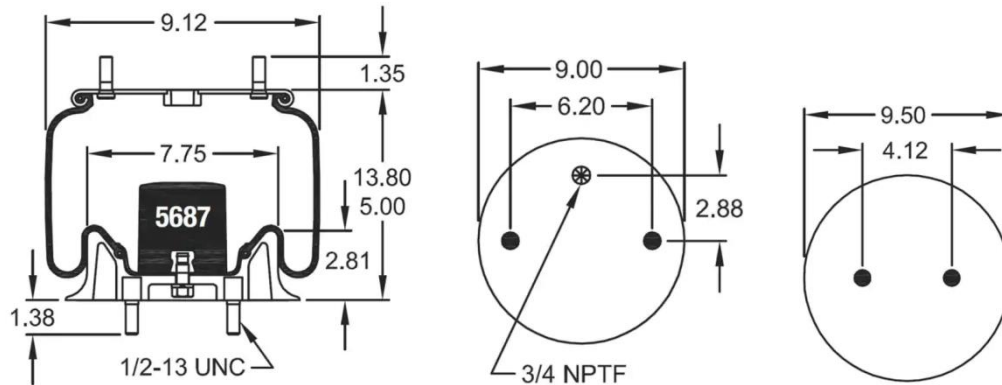
Automann PN: AB1DK20D-8897

Firestone W01-358-8897 (replaced by W01-358-9376)

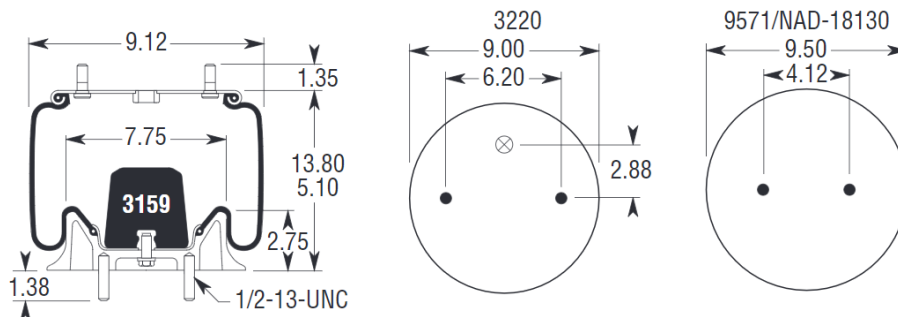
Triangle AS-8730

TRP AS88970

Firestone W01-358-8897



Firestone W01-358-9376

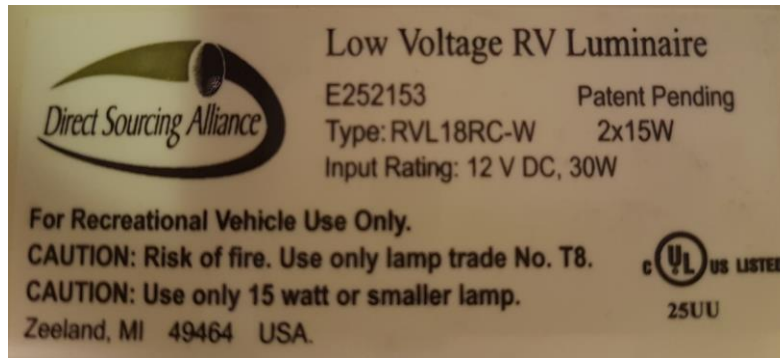


Hardware Key

● Bolt or Stud 1/2-13 ⚙ Threaded Hole 3/8-16 Blind Nut on Bead Plates 1/2-13 in Pistons ⊗ Air Inlet 1/4 N.P.T. ★ See Piston Index ▲ No alignment specified-center stud mounting is standard
 ⊗ Combination Stud/Air Inlet Stud Outside Thread is 3/4-16 Studs Inside Thread (Air Inlet) is 1/4 N.P.T. Exceptions will be noted on Part View as ⊗

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Florescent Fixtures



Outside: 6 1/4" (W) x 22 7/16" (Len)

Cut-out: 4 3/4" (W) x 18 3/8" (Len)

LED strip conversion:



2 or 4 18" 60/m LED strips (4 shown)

Florescent bulbs and fittings (incl. ballast) removed.

1/4" 3m moulding tape used to attach LED Strips

Power Consumption:

2 Strip - 0.8 Amps (9.6 Watts)

4 Strip - 1.6 Amps (19.2 Watts)

Microwave Oven

Sharp Model R-1874F

Over the Range Convection Oven

AC Power: 1600 Watts / 13.2 Amps

Microwave: 850 Watts

Convection: 1400 Watts

O/S Dim: 29 15/16" (W) x 16 11/32" (H) x 15 9/32" (D)

Turntable: 13"

I/S Dim: 17 1/8" (W) x 8 1/16" (H) x 13 13/16" (D)

Refrigerator

Dometic Auto Defrost

Model: NDA-1402

S/N: 52300011

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Washer/Dryer

Make: Splendide

Model: WC 2100XC (NA)

S/N: 404236048 ' 80866760000

UL Listed 37H1 E77149

Mar 2018: Error Code F13 - Drying NTC sensor (Thermistor ntc part # C0083915) open / short circuited. Fan motor (Part #: C00110434) blocked

Solution: http://www.visualsc.com/Splendide_F13_Error_Solution.pdf

Built-in Vacuum

Dirt Devil Model CV1500

Bags Part #:9597

Toilet (1/2 Bath)

Thetford Aqua Magic V (Tall model in Bone) – *Replaced Jan 2019*