

Dinghy Towing

**Presented By:**

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Dinghy Towing

Whether Trailering, Dolly'ing or four-down

You Have to Do It Right!

Trailering Your Dinghy

You Need A Properly Equipped Car Trailer (Open or Enclosed)

Lights

Brakes

Weight Distributing Hitch if Required

Escape Hatch on Enclosed Trailer

A Tow Dolly with Surge Brakes

Check State Licensing Requirements

Towing Four-Down

Appropriately Sized Tow Bar

Safety Cables

Umbilical Cable to Connect Motorhome Lights to Car

Properly Fitted Bracket for Tow Car

Lighting Harness & Either Bulb Kit or Diodes Array

Auxiliary Braking System for Tow Car

Tow Bars

Your Motorhome's Link

To Your Tow Car

**BX7420 Avail Towbar**

Blue Ox Aventa LX

Blue Ox Alpha - 6,000 lbs

Blue Ox Aladdin

Aluminum Tow Bar

Roadmaster Falcon 2

**TOW BARS WEAR OUT!**

Lubricate Moving Parts With Wet Silicone Spray

Inspect Latches Regularly

Inspect ALL Fasteners & Pivots

Replace Tow Bar if Replacing Components DO Not Eliminate Excessive Slack

Drop Receiver Adapters

Hitch Immobilizer

Tow Bar Brackets

Specifically Designed To Fit the Vehicle

Two Styles Of Hitching Tab

Fixed Tab

Removable Tab

Brackets Installed

Non-Removable Tabs

Removable Tabs

Blue Ox Kar Gard

Blue Ox Kar Gard II

Tow Vehicle Lighting

Alternatives to Standard

Lighting Basics

There are Three Ways To Legally Light a Tow Car For Towing

Separate Bulbs & Sockets Installed into Tail Lamp Assembly – Available in Incandescent & L.E.D.

Diodes Installed Into Existing Vehicle Light Harness

Magnetic Lights Attached to Rear of The Tow Car

Tow Vehicle Lights are Powered By The Motorhome

Traditional Incandescent

Bulb & Socket

Typical Diode Setup

L.E.D. Bulb Kit

Application Specific Diode Kit

LED Bulbs

Can Be Much Brighter Than Incandescent

Current Draw is 1/10<sup>th</sup> that of Incandescent

Last Much Longer

Create Very Little Heat

Prices Have Come Down Dramatically

Lighting Basics

If there Is a Turn Signal Converter On Your Motorhome, Make Sure The Lights On The Tow Car are Bright Enough to See

If Your Motorhome Has Separate Turn Signal Lights The Coach Will More Than Likely Be Equipped With a Turn Signal Converter

Brite Lite Converter

Fuse Bypass Switches

Some vehicles require that one or more fuses be removed for recreational towing

A fuse Bypass Switch can be installed in the fuse box to easily “switch off” that circuit instead of pulling fuses

Design-Specific Fuse Bypass Switches

Drive Shaft Disconnects

IS NOW

More Features

The Disconnect Mechanism

Component Layout

Lube pump by aqua tech

Transmission & Transaxle Lubrication

Remco Lube Pump

Tow your automatic transmission vehicle four wheels down

No odometer mileage accumulation on vehicles with electronic speedometers.

All that from a patented system that a mechanic can install in 6 to 8 hours.

## Remco Lube Pump

1/8 HP self-priming diaphragm pump insures high volume lubrication.

Full volume selector valve directs oil for driving or towing.

Electronic monitor on motorhome dashboard safeguards the transmission.

## Remco Lube Pump

Easily transferred to any other approved vehicle.

One coiled electrical cable between the motorhome and car provides all the circuits for the pump, monitor, and towed vehicle tail lights.

## Remco Lube Pump

All wiring and fluid connections for car and motorhome included.

Each make/model transmission tested for 20,000 miles before approved.

One year/10,000 miles limited warranty (warranty not applicable on transmissions with over 40,000 miles).

## Kit Contents

### Lube Pump Components

### Authorized Installer

### Dinghy Braking

### The Forbidden Topic

### Why Do I Need Dinghy Brakes

RV drivers typically don't realize they are unable to stop quickly enough until they have had a serious accident or a frighteningly close call

Auxiliary Brakes are Required in all States except Missouri

A Break-away system is required in most states & the eastern & western provinces of Canada

Motorhome brakes are designed to stop the motorhome only, not an additional 3,000 or 4,000 (or 10,000) pounds of towed weight

### Why Do I Need Dinghy Brakes

Even if you had an extra two or three tons of braking capacity, the weight of a towed vehicle isn't over the motorhome's brakes. It's pushing on them from behind.

Supplemental brakes cut down on everyday wear and tear of your motorhome's brakes

Every other trailer on the road today has supplemental brakes

No matter where your vehicle is registered, you must obey the towing laws in a given State or Province that you travel through.

### Why Do I Need Dinghy Brakes

We will not rig ANY vehicle for dinghy towing without an auxiliary braking system

### Legal Liability

I do not want to get dragged into court when you get sued for rear-ending someone while towing an illegally equipped vehicle

### Moral Conscience

I know that by hitching a tow car to the back of your coach that you are adding AT LEAST 100 feet to your stopping distance

You Can't Stop Soon Enough!

### Braking Systems

### Dead-Pedal Boxed Units

### Vacuum Assisted Boxed Unit

Built-In Proportional Braking Systems

Blue Ox Patriot Brake

Roadmaster's Invisi-brake

SMI Stay in Play Duo

SMI Air Force One

SMI Air Force One

SMI Actuator

SMI Actuator Mounting

M&G Actuator

M&G Breakaway Kit

M&G on a Jeep Wrangler

Tires & Pressures

Keep It Rolling Easy

Tire Date Code

Tire Pressures

**80% of Tire Failures are a result of Under Inflation**

**Check and Adjust First Thing In The Morning.**

Weigh Your Vehicle at a Certified Scale

Make Sure the Proper Tires are Installed On Your Vehicle

Tire Pressures

Set according to the vehicle manufacturer's cold tire pressure(s) recommended on the vehicle's tire placard not the markings on the side of the tire

This must be done before rising ambient temperatures, the sun's radiant heat or even driving short distances temporarily warms the tires.

Monitor Tire Pressures During Operation

MEASURE THE GROUND PRESSURE!!!

Tire pressure monitoring

Use a Quality Tire Pressure Monitoring System such as Pressure Pro to Monitor Tire Pressures

Pressure Pro

Easy to Read Display Shows Position & Pressure

Monitor RV's, 5th Wheels, Buses, Trailer Tire Pressure

Capable of reading pressures from 10 psi to 199 psi

Two low pressure alert levels, the first at 12.5% and the second at 25% drop in pressure

High pressure alert can be adjusted from 10% to 45%

Each Monitor has self-tests for signal strength & Sensor packet counts

Correct Inflation set by weight

110 psi, 400 sq. cm.

Q & A

Questions About ANYTHING I Have Spoken About Today?