



# TRAVEL COOLER/FREEZER™ AND WARMER

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## INSTRUCTION MANUAL

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Catalog Number TC212FRB

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**BEFORE RETURNING THIS PRODUCT  
FOR ANY REASON PLEASE CALL**

**1-800-544-6986**

BEFORE YOU CALL, HAVE THE CATALOG No, AND DATE CODE AVAILABLE. IN MOST CASES, A **BLACK & DECKER** REPRESENTATIVE CAN RESOLVE THE PROBLEM OVER THE PHONE. IF YOU HAVE A SUGGESTION OR COMMENT, GIVE US A CALL. YOUR FEEDBACK IS VITAL TO BLACK & DECKER.

**TO REDUCE THE RISK OF INJURY, THE USER MUST READ AND UNDERSTAND THE INSTRUCTION MANUAL**

**SAVE THIS MANUAL FOR FUTURE REFERENCE.**

Cat. # TC212FRB

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# ⚠ GENERAL SAFETY WARNINGS AND INSTRUCTIONS FOR ALL APPLIANCES

## READ ALL INSTRUCTIONS

⚠ **WARNING:** Read all instructions before operating product. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury.

- **AVOID DANGEROUS ENVIRONMENTS** Don't use appliances in damp or wet locations. Don't use appliances in the rain.
- **KEEP CHILDREN AWAY.** All visitors should be kept at a distance from work area.
- **STORE IDLE APPLIANCES INDOORS.** When not in use, appliances should be stored indoors in dry, and high or locked-up place – out of reach of children.
- **DON'T FORCE APPLIANCE.** It will do the job better and with less likelihood of a risk of injury at the rate for which it was designed.
- **USE RIGHT APPLIANCE.** Do not use the appliance for any job except that for which it is intended.
- **DRESS PROPERLY.** Do not wear loose clothing or jewelry. They can be caught in moving parts. Rubber gloves and substantial, non-skid footwear are recommended when working outdoors. Wear protective hair covering to contain long hair.
- **USE SAFETY GLASSES AND OTHER SAFETY EQUIPMENT.** Use safety goggles or safety glasses with side shields, complying with applicable safety standards and, when needed, a face shield. Also use face or dust mask if operation is dusty. This applies to all persons in the work area. Also use a hard hat, hearing protection, gloves, safety shoes and dust collection systems when specified or required. Safety glasses or the like are available at extra cost at your local dealer or Black & Decker Service Center.
- **DON'T ABUSE CORD.** Never carry appliance by cord or yank it to disconnect from receptacle. Keep cord from heat, oil, and sharp edges.
- **DON'T OVERREACH.** Keep proper footing and balance at all times.
- **DISCONNECT APPLIANCES.** Disconnect the appliance from the power supply when not in use, before servicing, and when changing accessories such as blades and the like.
- **AVOID UNINTENTIONAL STARTING.** Don't carry plugged-in appliance with finger on switch. Be sure switch is off when plugging in.
- **GROUND FAULT CIRCUIT INTERRUPTER (GFCI)** protection should be provided on the circuits or outlets to be used. Receptacles are available having built in GFCI protection and may be used for this measure of safety.
- **USE OF ACCESSORIES AND ATTACHMENTS.** The use of any accessory or attachment not recommended for use with this appliance could be hazardous. Note: Refer to the accessory section of this manual for further details.
- **STAY ALERT.** Watch what you are doing. Use common sense. Do not operate tool when you are tired.
- **CHECK DAMAGED PARTS.** Before further use of the tool, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for alignment of moving parts, binding of moving parts, breakage of parts, mounting, and any other conditions that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced by an authorized service center unless otherwise indicated elsewhere in this instruction manual. Have defective switches replaced by authorized service center. Do not use tool if switch does not turn it on and off.
- **DO NOT OPERATE** portable electric tools near flammable liquids or in gaseous or explosive atmospheres. Motors in these tools normally spark, and the sparks might ignite fumes.
- **OUTDOOR USE EXTENSION CORDS.** When tool is used outdoors, use only extension cords intended for use outdoors and so marked.

• **EXTENSION CORDS.** Make sure your extension cord is in good condition. When using an extension cord, be sure to use one heavy enough to carry the current your product will draw. An undersized cord will cause a drop in line voltage resulting in loss of power and overheating. The following table shows the correct size to use depending on cord length and nameplate ampere rating. If in doubt, use the next heavier gage. The smaller the gage number, the heavier the cord.

Volts	Minimum Gage for Cord Sets				
	Total Length of Cord in Feet				
120V	0-25	26-50	51-100	101-150	
	(0-7,6m)	(7,6-15,2m)	(15,2-30,4m)	(30,4-45,7m)	
240V	0-50	51-100	101-200	201-300	
	(0-15,2m)	(15,2-30,4m)	(30,4-60,9m)	(60,9-91,4m)	
Ampere Rating		American Wire Gage			
More Than	Not more Than				
0 -	6	18	16	16	14
6 -	10	18	16	14	12
10 -	12	16	16	14	12
12 -	16	14	12	Not Recommended	

## SAFETY GUIDELINES / DEFINITIONS

**⚠ DANGER:** Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.

**⚠ WARNING:** Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

**⚠ CAUTION:** Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.

**CAUTION:** Used without the safety alert symbol indicates potentially hazardous situation which, if not avoided, may result in property damage.

**RISK OF UNSAFE OPERATION.** When using tools or equipment, basic safety precautions should always be followed to reduce the risk of personal injury. Improper operation, maintenance or modification of tools or equipment could result in serious injury and property damage. There are certain applications for which tools and equipment are designed. Black & Decker strongly recommends that this product NOT be modified and/or used for any application other than for which it was designed. Read and understand all warnings and operating instructions before using any tool or equipment.

### SAVE THESE INSTRUCTIONS

**THIS MANUAL CONTAINS IMPORTANT SAFETY AND OPERATING INSTRUCTIONS FOR THE TRAVEL COOLER/FREEZER® AND WARMER TC212FRB.**

**⚠ WARNING: TO REDUCE THE RISK OF INJURY:**

• Follow these instructions and those published by the of any equipment you intend to use with this unit. Review cautionary markings on these products.

# IMPORTANT SAFETY INSTRUCTIONS

⚠ **WARNING: TO REDUCE THE RISK OF ELECTRIC SHOCK:** Do not allow this unit to become wet. Operate only when dry.

⚠ **WARNING: TO REDUCE THE RISK OF FIRE:**

- Manually turn the unit off after each use. This unit does not automatically turn on and off.
- Do not operate unattended for extended periods of time.

⚠ **CAUTION: TO REDUCE THE RISK OF INJURY OR PROPERTY DAMAGE:**

- THIS UNIT IS NOT FOR USE BY CHILDREN AND SHOULD ONLY BE OPERATED BY ADULTS.
- Keep small children from opening unit when warming. The interior of this unit gets quite hot in warming mode.
- When operating from a vehicle battery, make sure you start your engine after 3-4 hour of operation to recharge the vehicle battery.
- Do not overstuff cooling/heating chamber. Airflow between food containers keeps temperature more even.
- Allow airflow around fan area — blocking airflow will slow cooling or heating.
- Do not use this unit for medical use. It is not approved for medical applications.
- To reduce the risk of damage to the DC plug and cord, pull by DC plug rather than cord when disconnecting.
- Make sure cord is located so that it will not be stepped on, tripped over, or otherwise subject to damage or stress.
- Check unit periodically for wear and tear. Take to a qualified technician for replacement of worn or defective parts immediately.
- Read This Instruction Manual Before Using This Unit.

## SAVE THESE INSTRUCTIONS

### INTRODUCTION

Thank you for choosing the **Black & Decker® Travel Cooler/Freezer™ & Warmer**, one of the most advanced, state-of-the-art units on the market today. Please read this manual carefully before use to ensure optimum performance and avoid damage to the unit itself or power sources from which it operates.

The **Black & Decker® Travel Cooler/Freezer™ & Warmer** is compact, lightweight, and portable. It provides convenient storage for cold or hot beverages and foods, making conventional insulation-only coolers, thermal bottles and jars and insulated chests obsolete.

#### ***For extended use:***

Plug the **Black & Decker® Travel Cooler/Freezer™ & Warmer** into vehicle's 12 volt DC accessory outlet to keep food and drinks cold or warm. No more digging around in melting ice and water for soggy foods and dripping drinks. No need for ice, dry ice, or cold/hot packs. Ideal for use in a:

- Car
- Truck or SUV
- RV, mobile home, camper
- Boat
- Home or motel — use with the VEC004ARB AC/DC Converter (sold separately).
- At the beach, on picnics, at the campground — use with battery power.

#### ***Completely portable:***

Take the **Black & Decker® Travel Cooler/Freezer™ & Warmer** with you, wherever you go, to keep cold or hot food and drinks at just the right temperature.

## **IMPORTANT SUGGESTIONS**

The **Black & Decker® Travel Cooler/Freezer™ & Warmer** cools like a refrigerator and warms like an oven. For best performance, plug in the unit approximately 2 hours before loading to give it time to warm up or cool down. Always try to fill your unit with pre-chilled or pre-heated food or beverages, as the unit will always perform at its best when you do this.

Generally, your unit will cool down to as much as 50°F below the ambient temperature. To ensure optimum performance, always keep the unit out of direct sunlight when using as a cooler/freezer. To promote your unit's cooling capacity on warm days, try reusable frozen ice packets.

When using the unit as a warmer, it will warm to approximately 120°F. On cold days, the unit will need more time to reach the maximum warm temperature.

These are particularly helpful in keeping your unit cold while unplugged. Contact Technical Support at (800) 544-6986 for further information.

The **Black & Decker® Travel Cooler/Freezer™ & Warmer** can be used with most food and beverages, either cold or hot. Use with standard household containers or ready-to-use food and drink packaging. Ideal as a:

### ***Cooler:***

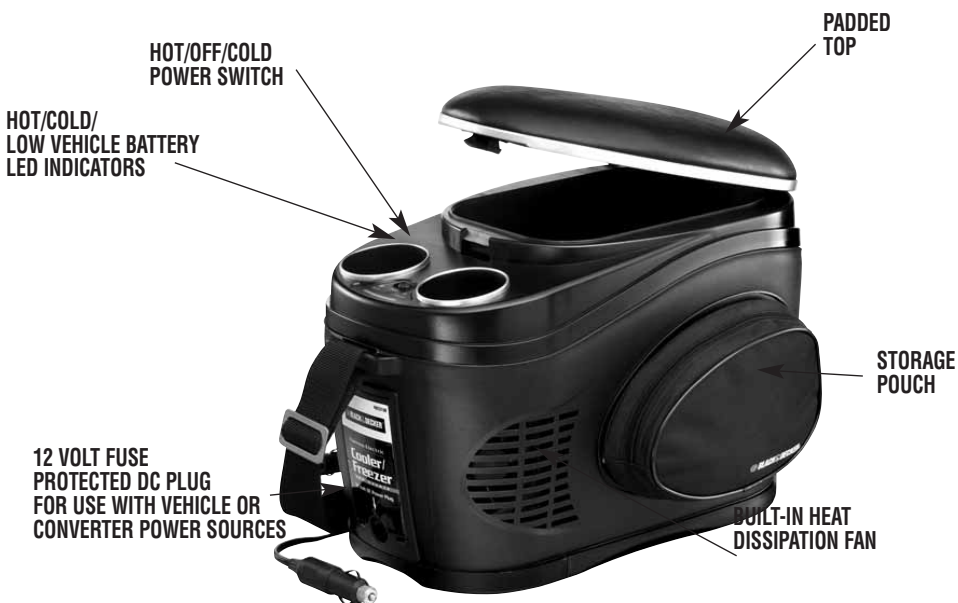
- Beverages – sodas, beer, wine, juice, milk, iced tea or coffee, shakes, thirst quenchers, water and more — in cans, bottles, cartons, pouches, sport bottles, etc.
- Food – salads, sandwiches, deli meats, hamburgers, hot dogs, meat or fish, buns, condiments and dips, etc.
- Desserts – puddings, fruit cups, yogurts, etc.
- Snacks – fruit, candy, chocolate, cookies, fruit bars, chips, etc.

### ***Warmer:***

- Beverages – hot coffee and tea, cocoa, milk, etc.
- Food – leftovers, pre-packaged/pre-heated meals, take-out foods, soups, covered dishes, stews, casseroles, etc.

## **FEATURES**

- Compact, lightweight, completely portable — use with vehicle's or boat's 12 volt DC accessory outlet, or appropriate 12 volt DC power supply
- Non-wearing thermo-electric system cools to approx. 50°F below surrounding air temperature or warms to approximately 120°F
- Built-in holder for two cups or two cans
- Use with standard household containers or ready-to-use packaging
- Rests on vehicle seat or floor for easy access
- Padded lid
- Extra-long, 7', 12 volt DC power cord with built-in 8-amp fuse-protected plug to protect the unit and power source
- Convenient, detachable shoulder strap for easy portability
- Durable, weather-resistant construction with easy-open-and-close lid
- Environmentally friendly, CFC-free, polyurethane liner
- Cold/heat transfer to foods via temperature-efficient liner
- Built-in heat dissipation fan with long-life, brushless motor
- HOT/OFF/COLD sliding power switch
- Automatic shut-off to prevent overheating of unit
- "COLD" and "HOT" LED indicators



**⚠ CAUTIONS:**

- This unit is intended for use with a 12 volt DC power source that can provide at least 5 amps of current. DO NOT attempt to use with any other power source.
- NEVER operate unit in an enclosed space. ALWAYS ensure that there is adequate ventilation and free flow of air around the unit, so that air expelled by the fan is effectively dissipated.
- When operating the unit in a vehicle or boat cabin, adequate ventilation must be provided by an air conditioning system or open window. In a car with windows up, air temperatures can reach 150°F.
- This unit is intended for portable use only; it is not designed to be built-in or recessed — this would interfere with the unit’s air dissipation system, and could cause a fire or other safety hazard.
- Use only with the supplied power cord. If the cord becomes worn or damaged, discontinue use and call the Customer Service department at (800) 544-6986 for authorized replacement.
- Never allow the cooler/freezer and warmer to be immersed in water or other liquid. This will void the warranty.

**POWERING THE TRAVE COOLER/FREEZER AND WARMER**

***Connecting to a Portable 12 Volt DC Power Supply, For Use Away From Vehicle***

- Make sure the unit’s HOT/OFF/COLD switch is in the OFF position.
- Insert the 12 volt DC plug on the power cord into the 12 volt DC socket on the portable power supply.
- Continue with steps 3-9 for cooler or warmer function. Observe all CAUTIONS and WARNINGS

***Connecting to an AC/DC Converter (Sold Separately)***

- Plug converter’s (CV6B) power cord into standard 120 volt 60 HZ outlet
- Make sure the unit’s HOT/OFF/COLD switch is in the OFF position
- Insert the 12 volt DC plug on the power cord into the 12 volt DC socket on the AC/DC power converter.
- Continue with steps 3-9 for cooler or warmer function. Observe all CAUTIONS and WARNINGS.



CV6B  
(Sold Separately)

**Note:** When used with a rechargeable power supply, a full-charge on the power source is recommended for optimum performance.

## **OPERATING INSTRUCTIONS**

**Keep the HOT/OFF/COLD switch in OFF position for five minutes before switching between HOT and COLD.**

### ***Using the Travel/Cooler/Freezer™ and Warmer as a Cooler***

1. Make sure the unit's HOT/OFF/COLD switch is in the OFF position. Start vehicle or turn ignition to "accessory" position.
2. Insert the DC plug into the vehicle's 12 volt DC accessory outlet.
3. Move the HOT/OFF/COLD switch on the cooler to the COLD position.
4. The COLD LED indicator will light to show the unit is cooling.
5. Place items into the cooler and close the lid. Do not overstuff the cooler or keep the lid from closing.
6. Keep cooler lid closed during operation and reclose it quickly when adding items to it or removing items from it.
7. After use, turn the switch to the OFF position and empty the cooler.
8. Disconnect the power cord from the vehicle's accessory outlet.
9. Clean unit as described in the Care & Maintenance section of this manual.

### **⚠ CAUTION: TO AVOID RISK OF INJURY OR DAMAGE TO PROPERTY:**

- The cooler takes about 120-200 minutes to reach its maximum cool temperature (approximately 50°F below that of surrounding air). It is recommended that items to be placed in the cooler be pre-chilled. This will assist the cooler in reaching the lowest temperature as quickly as possible.
- The cooler will automatically shut off when vehicle battery power falls below 10.7 volts.
- If the engine is switched off for a long period (overnight), it is recommended the cooler be disconnected from the accessory outlet to avoid draining the vehicle's battery.
- Food will stay cool for some time after the unit is disconnected or turned off, but temperature will rise to that of the surrounding air.
- Observe common sense hygiene rules, as with any cooling unit. Do not eat or drink perishable items that may have spoiled or become contaminated from lack of proper temperature control.

### ***Using the Travel Cooler/Freezer™ and Warmer as a Warmer***

1. Make sure the unit's HOT/OFF/COLD switch is in the OFF position. Start vehicle, or turn ignition to "accessory" position.
2. Insert the DC plug into the vehicle's 12 volt DC accessory outlet.
3. Move the HOT/OFF/COLD switch on the cooler to the HOT position.
4. The LED HOT indicator will light to show that the unit is warming.
5. Put items into the warmer and close the lid. Do not overstuff the warmer. The unit's warming system is monitored by an automatic switch that turns the heating system on and off when excessively high temperatures are reached.
6. Keep warmer lid closed during operation, and reclose it quickly when adding or removing items.
7. After use, turn the switch to the OFF position. Remove any food items.
8. Disconnect the power cord from the vehicle's accessory outlet.
9. Clean unit as described in the Care & Maintenance section of this manual.

### **⚠ CAUTIONS:**

- The warmer is intended to maintain the temperature of pre-heated food and beverages; it is not designed to warm cold items.

- The warmer takes about 100-120 minutes to reach its maximum warm temperature (approx. 120°F). It is recommended that items to be stored in the warmer be pre-heated. This will assist the warmer in reaching the maximum temperature as quickly as possible.
- The warmer will automatically shut off (down) when vehicle battery power falls below 10.7 volts.
- If the engine is switched off for a long period (overnight) it is recommended the unit be disconnected from the accessory outlet to avoid draining the vehicle's battery.

#### **⚠ WARNINGS:**

- Food will stay warm for some time after the unit is disconnected or turned off.
- Observe common sense hygiene rules, as with any warming unit. Do not eat or drink perishable items that may have spoiled or become contaminated.

### ***Operation of the Freezer***

#### **To change this Cooler/Freezer to a freezer:**

Fill the sealable ice tray (included) up a quarter of the way. Place at the bottom of the cooler. By placing the freezer insulation pad (included) on top of the sealed ice tray this will convert the cooler to a freezer.

### **CARE AND MAINTENANCE**

The **Black & Decker® Travel Cooler/Freezer™ and Warmer** is ruggedly constructed to provide years of dependable service.

- After each use, clean the unit inside and out with a soft cloth and mild soap solution.
- Do not scrape, scratch or puncture the surface of the cooler with sharp objects or abrasives.
- Dry the unit properly and store in a cool, dry place.
- Always make sure the power cord is disconnected before storing.
- **Never** allow the cooler/warmer to be immersed in liquid.

### ***Fuse Replacement***

The power cord is fuse-protected against short-circuiting, by a 8-amp fuse located in the tip of the 12 volt DC plug. If the DC socket is powered, but the unit does not operate, then the cooler/warmer fuse may be open.

To inspect or replace the DC Power Cord Fuse:

1. Unscrew the end-cap of the power cord plug.
2. Remove fuse, inspect it for an open element, and replace with a new 8-amp fuse, if needed.
3. Re-attach the end-cap to the plug.
4. If new fuse opens, call Customer Service department at (800) 544-6986 for further instructions and possible return/replacement. This unit is not user-serviceable; it must be returned to the manufacturer for professional service or repair. Any attempt to service by user will void warranty.

### **TROUBLESHOOTING**

#### ***Problem/Possible Cause/Remedy***

- Travel Cooler/Freezer™ and Warmer is not functioning as a cooler or warmer (fan is not turning).
  - Accessory outlet of DC power supply is not functioning — check by plugging in a 12 volt DC appliance.
  - Fuse or circuit breaker in accessory outlet is open. Reset breaker or check fuse, and replace fuse if necessary.
  - Ignition is switched off — start engine or switch ignition to “accessory” position.
  - Fuse in unit's power plug is blown — see Fuse Replacement section for location of fuse and instructions for checking and replacing fuse.



- Cooler/Warmer is not cooling or heating properly (fan is not turning).  
Fan is defective. Call Customer Service department (800) 544-6986 for return/ replacement instructions. This unit is not user-serviceable, it must be returned to manufacturer for professional service or repair. Any attempt to service by user will void warranty.
- Cooler/Warmer is not cooling or heating, but fan is turning.  
Cooling unit is defective. Call Customer Service department (800) 544-6986 for return/replacement instructions. This unit is not user-serviceable, it must be returned to manufacturer for professional service or repair. Any attempt to service by user will void warranty.
- Travel Cooler/Warmer takes longer than 3 hours to reach desired temperature inside
  - Low battery or supply voltage.
  - Unit will attain desired temperature more efficiently if items are pre-heated or pre-chilled.
  - Fan area is blocked — move unit or object.

### ***Accessories***

Recommended accessories for use with your tool are available from your local dealer or authorized service center. If you need assistance regarding accessories, please call: **1-800-544-6986**.

⚠ **WARNING:** The use of any accessory not recommended for use with this tool could be hazardous.

### **SERVICE INFORMATION**

All Black & Decker Service Centers are staffed with trained personnel to provide customers with efficient and reliable power tool service. Whether you need technical advice, repair, or genuine factory replacement parts, contact the Black & Decker location nearest you. To find your local service location, refer to the yellow page directory under "Tools—Electric" or call: **1-800-544-6986** or visit **www.blackanddecker.com**

### **FULL TWO-YEAR HOME USE WARRANTY**

Black & Decker (U.S.) Inc. warrants this product for two years against any defects in material or workmanship. The defective product will be replaced or repaired at no charge in either of two ways.

The first, which will result in exchanges only, is to return the product to the retailer from whom it was purchased (provided that the store is a participating retailer). Returns should be made within the time period of the retailer's policy for exchanges (usually 30 to 90 days after the sale). Proof of purchase may be required. Please check with the retailer for their specific return policy regarding returns that are beyond the time set for exchanges.

The second option is to take or send the product (prepaid) to a Black & Decker owned or authorized Service Center for repair or replacement at our option. Proof of purchase may be required. Black & Decker owned and authorized Service Centers are listed under "Tools-Electric" in the yellow pages of the phone directory and on our website [www.blackanddecker.com](http://www.blackanddecker.com).

This warranty does not apply to accessories. This warranty gives you specific legal rights and you may have other rights which vary from state to state or province to province. Should you have any questions, contact the manager of your nearest Black & Decker Service Center. This product is not intended for commercial use.

**FREE WARNING LABEL REPLACEMENT:** If your warning labels become illegible or are missing, call 1-800-544-6986 for a free replacement.

## **SPECIFICATIONS**

Capacity:	12 can / 9 liter/ 2.38 gallons (US)
Operating Voltage:	12 volt DC
Low Voltage Cut-Off:	Automatically shuts off when vehicle battery voltage drops below 10.7 volts DC
Power Cord:	7', with fuse protected (8 amp) plug
Amperage Draw:	Approx. 5 amps
Cooling Performance:	Cools to average 50°F (27.7°C) below ambient temperature
Warming Performance:	Warms to average 120°F (48.8°C)
Cold/Heat Transfer:	Temperature-efficient, aluminum-coated liner
Insulation:	CFC-free polyurethane liner
Heat Dissipation:	Built-in fan (long-life, brushless motor)
Warm/Cool System:	Non-wearing thermo-electric
Dimensions:	9.76"W x 18.9"D x 12.5"H
Weight:	9.25 lbs.

Imported by  
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See 'Tools-Electric'  
– Yellow Pages –  
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