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INGQI 1L1Z9F924AA

INGQI Cruise Control Switch Instruction Manual

Model: 1L1Z9F924AA

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1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of the INGQI Cruise Control Switch, part number 1L1Z9F924AA. This replacement part is designed to restore proper cruise control functionality in compatible vehicles.
The switch is manufactured to meet or exceed OEM specifications, ensuring reliable performance and a precise fit.

2. Compatibility

The INGQI Cruise Control Switch (OEM Part Number: 1L1Z9F924AA) is compatible with a wide range of Ford, Lincoln, and Mazda vehicles. Please verify your vehicle's make, model, and year against the list below to ensure proper fitment.
Interchange Part Numbers: CCR1, SW6350, 1S5288

2.1 Compatible Ford Models:

- 1994-1996 Bronco XLT
- 1995-1996 Bronco XLT Sport
- 1993-1995, 1999-2003 F-150 Lightning
- 1993-2003 F-150 (Submodel: XL, XLT)
- 1995-1996 F-150 (Submodel: Eddie Bauer, Special)
- 1997-2000 F-150 Base
- 1997-2003 F-150 Lariat
- 2000-2003 F-150 Harley-Davidson Edition
- 2001-2003 F-150 King Ranch

- 1993-1999 F-250 (Submodel: XL, XLT)
- 1995-1996 F-250 (Submodel: Eddie Bauer, Special)
- 1997 F-250 HD (Submodel: XL, XLT)
- 1997-1999 F-250 (Submodel: Base, Lariat)
- 1999-2002 F-250 Super Duty (Submodel: Lariat, XL, XLT)
- 1993-1997 F-350 (Submodel: XL, XLT)
- 1995 F-350 Eddie Bauer
- 1995-1996 F-350 Special
- 1997 F-350 Base
- 1999-2002 F-350 Super Duty (Submodel: Lariat, XL, XLT)
- 1999-2002 F-450 Super Duty (Submodel: Lariat, XL, XLT)
- 1999-2002 F-550 Super Duty (Submodel: Lariat, XL, XLT)
- 1993-1997 F-Super Duty XL
- 1994-1997 F-Super Duty XLT
- 1997 F-Super Duty Base
- 1993, 1997 Ranger Sport
- 1993-1997 Ranger STX
- 1993-1998 Ranger Splash
- 1993-2003 Ranger (Submodel: XL, XLT)
- 1995 Ranger XL Sport
- 1998-2002 Ranger EV BATTERY EV (EV/BEV)
- 2001-2003 Ranger Edge
- 1995 Explorer Expedition
- 1995-1999 Explorer
- 1997-2001 Expedition
- 2000-2002 Excursion (Submodel: Limited, XLT)
- 2000-2002 Explorer
- 2001 Explorer Sport Trac Base On Master Cylinder
- 2001-2002 Explorer Sport Base On Master Cylinder
- 2002 Explorer Sport Trac XL On Master Cylinder
- 1996-1999 Econoline Super Duty Custom
- 1999 Econoline Super Duty Base

2.2 Compatible Lincoln Models:

- 1998-2001 Navigator Base

2.3 Compatible Mazda Models:

- 1994-1997, 2002-2004 B2300 Base

2.4 Compatible Mercury Models:

- 1997-2000 Mountaineer Base

3. Package Contents

Upon opening the package, please ensure all the following components are present and undamaged:

- 1 x INGQI Cruise Control Switch (Part Number: 1L1Z9F924AA)
- 1 x Electrical Connector Harness (pre-attached or separate, depending on design)
- 1 x Zip Tie (for securing wiring, if applicable)

Image 1: The INGQI Cruise Control Switch with its electrical connector. The switch features a metal threaded body and a black plastic connector housing.

Image 2: All components included in the package: the cruise control switch, its attached wiring harness with connector, and a black plastic zip tie for installation.

4. Installation

Disclaimer: Installation of automotive parts can be complex. If you are not confident in your mechanical abilities, it is recommended to seek professional assistance. Always disconnect the vehicle's battery before beginning any electrical work.

4.1 Safety Precautions:

- Ensure the vehicle is turned off and the parking brake is engaged.
- Disconnect the negative terminal of the vehicle's battery to prevent accidental electrical shorts.
- Wear appropriate personal protective equipment, such as safety glasses and gloves.
- Allow the engine and surrounding components to cool down if the vehicle has been recently operated.

4.2 Installation Steps:

1. **Locate the Existing Switch:** The cruise control switch is typically located on the master cylinder or brake booster assembly. Consult your vehicle's service manual for the exact location.

2. **Disconnect Electrical Connector:** Carefully unclip and disconnect the electrical connector from the old cruise control switch.
3. **Remove Old Switch:** Use an appropriate wrench to unscrew and remove the old cruise control switch from its mounting point. Be prepared for a small amount of brake fluid to leak if the switch is connected to the brake system.
4. **Prepare New Switch:** Ensure the threads on the new INGQI switch are clean. If applicable, apply a small amount of thread sealant (not included) to prevent leaks.
5. **Install New Switch:** Carefully thread the new INGQI cruise control switch into the mounting point. Tighten it securely, but do not overtighten, to avoid damaging the threads or the switch.
6. **Connect Electrical Connector:** Reconnect the electrical connector to the new switch, ensuring it clicks firmly into place.
7. **Secure Wiring:** Use the provided zip tie or existing clips to secure any loose wiring, preventing it from interfering with other components.
8. **Reconnect Battery:** Reconnect the negative terminal of the vehicle's battery.
9. **Test Functionality:** Start the vehicle and test the cruise control system in a safe environment to ensure it engages and disengages correctly. Check for any warning lights or error codes.

5. Operation

The INGQI Cruise Control Switch functions identically to the original equipment. Refer to your vehicle's owner's manual for specific instructions on how to activate, set, resume, and cancel cruise control. Typically, cruise control operation involves:

- **Activating the System:** Pressing an "ON" or "CRUISE" button.
- **Setting Speed:** Reaching desired speed and pressing "SET" or "SET/COAST".
- **Adjusting Speed:** Using "RESUME/ACCEL" or "SET/COAST" buttons.
- **Canceling Cruise:** Pressing the brake pedal, clutch pedal (manual transmission), or a "CANCEL" button.
- **Resuming Speed:** Pressing "RESUME" after canceling.

6. Maintenance

The INGQI Cruise Control Switch is a sealed unit and requires no routine maintenance. However, regular inspection of the switch and its wiring harness is recommended during routine vehicle servicing.

6.1 Inspection Points:

- Check the electrical connector for corrosion or looseness.
- Inspect the wiring harness for any signs of fraying, cuts, or damage.
- Ensure the switch is securely mounted and not leaking any fluids (if applicable to its specific location).

Clean the exterior of the switch with a dry cloth if necessary. Do not use harsh chemicals or solvents.

7. Troubleshooting

If you experience issues with your cruise control system after installing the new switch, consider the following troubleshooting steps:

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Cruise control does not engage.	Incorrect installation; faulty wiring; blown fuse; other system component failure (e.g., brake light switch, speed sensor).	Verify the switch is correctly installed and the electrical connector is secure. Check relevant fuses in your vehicle's fuse box. Consult a professional mechanic for diagnosis of other system components.
Cruise control disengages unexpectedly.	Loose connection; intermittent fault in the switch or related components; brake light switch issue.	Ensure all connections are tight. Inspect wiring for damage. Check the brake light switch for proper operation.
Check Engine Light (CEL) or other warning lights illuminate.	System fault detected by the vehicle's onboard diagnostics (OBD-II).	Scan the vehicle's OBD-II system for diagnostic trouble codes (DTCs) to pinpoint the exact issue.

If troubleshooting steps do not resolve the issue, it is recommended to consult a certified automotive technician.

8. Specifications

Feature	Detail
Part Number	1L1Z9F924AA
Interchange Part Numbers	CCR1, SW6350, 1S5288
Operation Mode	Manual
Contact Type	Normally Open
Connector Type	Molex
Terminal Type	Screw
Circuit Type	1-way
Actuator Type	Push Button
Control Method	Touch
Unit Count	1.0 Count
Manufacturer	INGQI

9. Warranty & Support

INGQI stands behind the quality of its products. This cruise control switch comes with a satisfaction guarantee warranty.

- **Refund Policy:** 30 days for refund.
- **Replacement Policy:** 3 months for replacement.

For any questions, concerns, or issues regarding your INGQI Cruise Control Switch, please contact our customer service team. When contacting support, please have your product model number (1L1Z9F924AA) and purchase details ready.

Contact Information: Please refer to your purchase platform or the seller's information for direct contact methods.

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