

# Hitachi Ru Z35 Manual

**Z35** GEN:2  
**350Z** NXT2

Compact Excavator



© 2015 Manitou America • All Rights Reserved. • Printed in USA

Form No.  
50940137  
Revision B  
Aug. 2015

Service Manual

## Hitachi RU Z35 Manual

The Hitachi RU Z35 is a versatile and powerful mini excavator designed for various construction and landscaping tasks. As with any heavy machinery, understanding its operation, maintenance, and safety protocols is essential for maximizing its efficiency and longevity. This article delves into the Hitachi RU Z35 manual, providing comprehensive insights into its features, operational guidelines, maintenance practices, and troubleshooting tips to ensure optimal performance.

# Overview of Hitachi RU Z35

The Hitachi RU Z35 mini excavator is known for its compact size, exceptional maneuverability, and robust performance. It is widely used in confined spaces where larger machines cannot operate effectively. With a powerful engine and advanced hydraulics, the RU Z35 is capable of handling a variety of tasks such as digging, grading, and landscaping.

## Specifications

Here are some key specifications of the Hitachi RU Z35:

- Engine Type: Diesel engine
- Horsepower: Approximately 24.8 HP
- Operating Weight: Around 3,500 kg
- Digging Depth: Up to 2,300 mm
- Max Reach: Approximately 4,200 mm
- Bucket Capacity: Ranges from 0.1 to 0.2 m<sup>3</sup>
- Travel Speed: 4.5 km/h

These specifications highlight the compact yet powerful nature of the RU Z35, making it ideal for both urban and rural applications.

## Operating the Hitachi RU Z35

Operating the Hitachi RU Z35 requires familiarity with its controls and features. The manufacturer's manual provides detailed instructions, but here are some fundamental aspects to keep in mind.

## Controls and Instruments

The RU Z35 is equipped with various controls for ease of operation:

1. Joysticks: Used for controlling the boom, arm, and bucket.
2. Foot Pedals: Control the travel speed and direction.
3. Dashboard Display: Monitors engine parameters, fuel levels, and alerts.

## Starting the Machine

To start the Hitachi RU Z35:

1. Ensure that the machine is in a safe and stable position.

2. Check fluid levels (oil, coolant, and fuel).
3. Turn the key to the "ON" position.
4. Wait for the preheating indicator to turn off if the engine is cold.
5. Turn the key to the "START" position and hold until the engine starts.

## Operating Techniques

When operating the RU Z35, consider the following techniques:

- Digging: Maintain a stable stance and use smooth motions with the joysticks to control the boom and bucket.
- Loading: Position the excavator at the right angle to maximize loading efficiency.
- Traveling: Use the foot pedals to navigate the machine carefully, especially in tight spaces.

## Maintenance of Hitachi RU Z35

Regular maintenance is crucial for the longevity and performance of the Hitachi RU Z35. The manual outlines a maintenance schedule, but here are some key practices:

### Daily Checks

Before operating the excavator, perform the following daily checks:

- Fluid Levels: Check engine oil, coolant, and hydraulic fluid levels.
- Visual Inspection: Look for any signs of leaks, damage, or wear.
- Tracks and Undercarriage: Inspect for wear and ensure proper tension.

### Weekly Maintenance

Conduct weekly maintenance tasks to keep the machine in top condition:

1. Clean Air Filters: Remove dirt and debris from air filters to ensure proper airflow.
2. Inspect Electrical Connections: Check for any loose or corroded connections.
3. Lubrication: Grease pivot points and joints to prevent wear.

## Monthly and Seasonal Maintenance

Perform more extensive maintenance on a monthly or seasonal basis:

- Hydraulic Fluid Replacement: Change hydraulic fluid as per the manual's recommendations.
- Inspect Tracks: Assess track tension and condition; adjust as necessary.
- Battery Maintenance: Ensure the battery is charged and terminals are clean.

## Safety Guidelines

Safety is paramount when operating the Hitachi RU Z35. The manual provides essential safety guidelines to follow:

### Pre-Operational Safety Checks

Before starting the excavator, ensure:

- The work area is clear of obstacles and personnel.
- Safety equipment, such as hard hats and gloves, is worn.
- Emergency shut-off switches are functional.

### Operating Safety Precautions

While operating the RU Z35, adhere to these safety precautions:

- Avoid Overloading: Do not exceed the excavator's load capacity.
- Maintain Stability: Keep the excavator on stable ground to prevent tipping.
- Watch for Overhead Hazards: Be aware of power lines and other overhead objects.

## Troubleshooting Common Issues

Despite proper maintenance, issues may arise with the Hitachi RU Z35. Here are some common problems and troubleshooting tips:

### Engine Won't Start

If the engine fails to start, check the following:

- Fuel Levels: Ensure there is enough fuel in the tank.
- Battery Condition: Inspect the battery for charge and connections.
- Starter Motor: Verify the starter motor is functioning properly.

## Hydraulic System Issues

For hydraulic system problems, consider:

- Fluid Leaks: Inspect hoses and connections for leaks.
- Fluid Level: Check hydraulic fluid levels and refill if necessary.
- Filter Blockages: Clean or replace hydraulic filters as needed.

## Performance Degradation

If the excavator's performance diminishes:

- Clogged Filters: Clean or replace air and fuel filters.
- Worn Components: Inspect hydraulic cylinders and hoses for wear and replace if necessary.
- Software Updates: Ensure any software on electronic controls is up to date.

## Conclusion

The Hitachi RU Z35 is a powerful and efficient mini excavator that can handle a variety of tasks with ease. Understanding its operation, maintenance, and safety guidelines through the manual is essential for maximizing its potential. By following the outlined practices and troubleshooting tips, operators can ensure that the RU Z35 remains in optimal condition, providing reliable performance for years to come. Whether you're a seasoned operator or a newcomer to heavy machinery, having a firm grasp of the Hitachi RU Z35 manual will enhance your operational capabilities and safety awareness.

## Frequently Asked Questions

### What is the Hitachi RU Z35 manual primarily used for?

The Hitachi RU Z35 manual is primarily used for guidance on the operation, maintenance, and troubleshooting of the Hitachi RU Z35 air conditioning unit.

## **Where can I find a digital copy of the Hitachi RU Z35 manual?**

A digital copy of the Hitachi RU Z35 manual can typically be found on the official Hitachi website or through authorized distributors. Additionally, some third-party websites may offer downloadable versions.

## **What are the key maintenance tips outlined in the Hitachi RU Z35 manual?**

Key maintenance tips include regularly cleaning or replacing air filters, ensuring proper airflow around the unit, checking refrigerant levels, and scheduling professional servicing as needed.

## **Does the Hitachi RU Z35 manual include troubleshooting steps for common issues?**

Yes, the Hitachi RU Z35 manual includes troubleshooting steps for common issues such as the unit not cooling properly, unusual noises, and error codes displayed on the control panel.

## **Is the Hitachi RU Z35 manual available in multiple languages?**

Yes, the Hitachi RU Z35 manual is often available in multiple languages to cater to a diverse customer base, depending on the region of sale.

## **What safety precautions are mentioned in the Hitachi RU Z35 manual?**

Safety precautions in the Hitachi RU Z35 manual include ensuring the unit is installed by a qualified technician, avoiding water contact with electrical components, and regularly checking for gas leaks in refrigerant lines.

## **How do I reset the Hitachi RU Z35 air conditioning unit according to the manual?**

To reset the Hitachi RU Z35 air conditioning unit, turn off the power supply, wait for a few minutes, and then turn it back on. Refer to the specific instructions in the manual for detailed steps.

## **What features of the Hitachi RU Z35 are highlighted in the manual?**

The manual highlights features such as energy efficiency ratings, smart control options, various cooling modes, and air purification capabilities.

## **Hitachi Ru Z35 Manual**

### Inspection Station | dmv

The best times to visit the inspection station are Thursday or Friday from 8:30 am to 10 am and 1:30 pm to 3 pm. Customers are advised Tuesday and the days before and after a holiday are ...

### *Inspection Station - Map, Hours and Contact Information - DMV.com*

Jan 1, 2018 · Up-to-date contact information, hours of operation and services offered at the DMV at 1001 Half Street, Sw in Washington, Washington DC.

### **Vehicle Inspection Station - DMV**

Vehicle Inspection Station hours of operation, address, available services & more.

### Washington DC DMV Locations & Opening Hours Near Me | DMV.ORG

Find Washington DC DMV locations, hours, phone numbers, and appointment information.

### **DC Vehicle Inspection Station - Washington, DC, DC - Yelp**

DC VEHICLE INSPECTION STATION, 1001 Half St SW, Washington, DC 20024, 46 Photos, Mon - Closed, Tue - 7:00 am - 3:00 pm, Wed - 8:00 am - 3:00 pm, Thu - 7:00 am - 3:00 pm, Fri - ...

### Washington DMV Vehicle Inspection Station Appointment ...

May 8, 2023 · Schedule your DMV Appointment in Washington online. Phone, address, hours, payment options & holidays □.

### **Washington DMV Office @ 1001 Half St., SW**

Feb 16, 2023 · Washington DMV Office Notes The inspection station is currently operating on a first-come, first-serve basis. Online appointments are not being accepted at this time. Child ...

### **District of Columbia Motor Vehicle Inspection Station**

District of Columbia Motor Vehicle Inspection Station located at 1001 Half St SW, Washington, DC 20024 - reviews, ratings, hours, phone number, directions, and more.

### **Vehicle Inspections | dmv**

The vehicle inspection fee is not paid at the inspection station; instead, it is paid at the time of vehicle registration. Vehicles are inspected in the order they arrive during normal hours of ...

### 1001 Half St SW Washington DC 20024 | DMVhours.com

Hours of Operation: View Hours. This is the location for the DMV in Washington, DC. Find the location, contact information, and the hours of operation for this DMV location. Remember that ...

### **Napa Home & Garden Petaluma Canisters Set of 3 White Clear Review**

Jul 22, 2025 · The simplicity of the design allows these canisters to blend seamlessly with my existing kitchenware while still standing out as decorative pieces. Functionality is also a key feature of this set.

### **3 Piece Canister Set | White and Brass Stainless Steel Canisters ...**

Take your kitchen counter up a notch with our set of three canisters. Perfect for storing flour, sugar, or even dog treats, these white and brass colored canisters make anything an aesthetic.

*Watch Honest Review of Set of 3 White Ceramic Kitchen Canisters ...*

Shop with expert advice from Corrina Lau in their latest video Honest Review of Set of 3 White Ceramic Kitchen Canisters .

Wrought Studio™ 3 Piece Kitchen Canister Set & Reviews | Wayfair

You'll love the Wrought Studio™ 3 Piece Kitchen Canister Set at Wayfair - Great Deals on all products with Free Shipping on most stuff, even the big stuff.

*Shop Boston 3-Piece Canister Set | Ice White Finish*

Elevate your kitchen aesthetic with the Salter Boston 3-Piece Canister Set. Finished with a stylish ice white shimmer, each canister features elegantly embossed lettering for tea, coffee, and sugar. Crafted from durable steel, these canisters offer both style and strength while ensuring easy cleaning in between refills.

White Bubble Ceramic Canister, Set of 3 | Kirklands Home

Our set of White Bubble Ceramic Canister will look great on any counter. Set includes three (3) canisters Large canister measures 10H x 5.7 in. in diameter Medium canister measures 8H x 5.7 in. in diameter Small canister measures 6.8H x 5.7 in. in diameter Crafted of stoneware White finish Bubble texture design Food safe Care: Handwash only.

### **white canister sets - Target**

15 reviews Add to cart \$34.99 Outshine Co White Farmhouse Nesting Kitchen Canisters (Set of 3) - Sugar, Tea, Coffee Canister Outshine Co 4 reviews Add to cart

10 Strawberry Street Kitchen Canister, 3 Piece Set, Hampton White

Decorative and functional, this stylish 3 piece canister set features an embossed texture, and a ceramic lid with a gasket seal, making them perfect for storing your counter top staples like flour, sugar, coffee or tea.

### **White Deckard Ceramic / Porcelain Canister - Set of 3**

Shop the Deckard Ceramic / Porcelain Canister - Set of 3 at Birch Lane. Birch Lane products have liveable quality, reliable value and free shipping for orders over \$35.

### **Williams Ceramic Canisters, Set of 3, White | Williams Sonoma**

Customer Reviews REFUND POLICY We strive to deliver you the best in quality and value, if for any reason you are not satisfied with your order we are happy to take back the product and issue you a full refund of your purchase. Products can only be returned if they are still in their original condition and packaging.

*Amazon.com: Canister Set White Ceramic*

Mixpresso 3 Piece White Canisters Sets For The Kitchen, Jars With See Through Window, Airtight Coffee Container Tea Organizer & Sugar Canister, Kitchen Canisters Set of 3 White Kitchen Decor.

### **Jumbo Pure Brass Pantry Flour Canister Set of 3 - amazon.com**

May 14, 2024 · \* Jumbo brass canister set\* Includes three canisters with metal handles\* 11-13" height, 8-10" diameter\* Hand-hammered from solid brass sheet\* Acquires a patina over time\* Clean with moist cloth\* Crafted by traditional metal smiths\* Made in Pune, India-----Our



brass collection is made by traditional brass artisans in the cities of Hyderabad and ...

Unlock the full potential of your Hitachi RU Z35 with our comprehensive manual. Discover how to operate and maintain your device effectively. Learn more now!

[Back to Home](#)