INTERNATIONAL TRUCK ENGINE SERIAL NUMBER DECODER Printable PDF

international truck engine serial number decoder: Your Comprehensive Guide to Identifying and Understanding Engine Data

Understanding the details behind your truck?s engine is essential for maintenance, repairs, parts replacement, and ensuring compliance with regulations. The **international truck engine serial number decoder** serves as a vital tool for truck owners, mechanics, and fleet managers to access detailed information about engine specifications, manufacturing details, and history. This guide provides an in-depth look at how to decode engine serial numbers, why it?s important, and how to utilize this information effectively.

What Is an International Truck Engine Serial Number?

A serial number, often called a VIN (Vehicle Identification Number) or engine number, is a unique identifier assigned to each engine produced by the manufacturer. For international trucks, this serial number encapsulates critical information about the engine?s model, manufacturing date, plant location, and other specifications. Decoding this serial number allows you to retrieve data such as:

- Engine model and specifications
- Production date and batch
- Manufacturing plant
- Compliance and certification details
- Warranty and service history

Why Is Decoding the Engine Serial Number Important?

Decoding your truck?s engine serial number is crucial for multiple reasons:

1. Accurate Parts Identification

Knowing the exact engine model ensures that you order correct replacement parts, avoiding compatibility issues.

2. Maintenance and Repairs

Accessing detailed engine information helps mechanics diagnose issues accurately and perform effective repairs.

3. Warranty and Service Records

Serial numbers can verify warranty status and retrieve service history.

4. Regulatory Compliance

Certain regions require detailed engine information for emissions testing and compliance documentation.

5. Resale and Valuation

A properly decoded engine serial number can authenticate the engine?s history, influencing resale value.

How to Find Your International Truck Engine Serial Number?

Locating the engine serial number is the first step in decoding. Common locations include:

1. Engine Block

Typically stamped directly on the engine block, often near the oil filter or on the cylinder head.

2. Vehicle Documentation

Check the owner?s manual, registration papers, or service records where the serial number might be recorded.

3. Manufacturer?s Plate or Tag

Some engines have a metal plate or sticker with the serial number attached to the engine or firewall.

4. Diagnostic Tools

OBD-II scanners and diagnostic software can retrieve engine serial numbers electronically.

Understanding the Structure of International Truck Engine Serial Numbers

Decoding the serial number involves understanding its structure. While formats can vary across manufacturers and models, many international trucks follow a standardized pattern.

Common Format Components

The serial number often contains a combination of letters and numbers representing various data points:

- **Manufacture Year and Month** ? Indicates when the engine was produced.
- **Plant Code** ? Identifies the manufacturing facility.
- **Model Code** ? Specifies the engine model and specifications.
- **Production Sequence Number** ? Unique serial identifier for the engine batch.

Example Breakdown

Suppose the serial number is: *INTL-2020-07-XYZ12345*. Decoding might reveal:

- INTL: Manufacturer code for International Trucks
- 2020-07: Manufactured in July 2020
- XYZ: Engine model code
- 12345: Unique sequence number

Note: Actual serial number formats vary, so always refer to manufacturer-specific decoding guides.

How to Decode Your International Truck Engine Serial Number

Decoding involves interpreting each segment of the serial number to extract meaningful data. Here?s a step-by-step process:

1. Identify the Serial Number Format

Consult your manufacturer?s documentation or website to understand the structure.

2. Break Down the Serial Number into Segments

Divide the serial number into parts based on known format patterns.

3. Use Manufacturer Resources or Decoders

Many manufacturers provide online decoding tools or manuals. For International Trucks, resources include:

- Official service manuals
- Authorized dealer databases
- Online decoding tools specific to International Truck engines

4. Interpret Each Segment

Match each segment to its corresponding data point:

- Manufacture date
- Plant code
- Engine model
- Serial batch number

5. Cross-Verify with Official Records

Confirm details with manufacturer records or authorized service centers for accuracy.

Resources and Tools for Decoding

Several tools and resources facilitate decoding your engine serial number:

1. Manufacturer?s Website and Manuals

Most manufacturers provide decoding charts or online tools.

2. Dealer and Service Centers

Authorized dealerships can decode serial numbers and provide detailed reports.

3. Online Serial Number Decoders

Third-party websites may offer generic decoding services, but always verify with official sources.

4. Maintenance and Repair Records

Historical records often contain engine serial number data correlated with service history.

Common Challenges and How to Overcome Them

Decoding serial numbers isn?t always straightforward. Here are common challenges and solutions:

1. Inconsistent Formats

Solution: Refer to specific manufacturer documentation for the correct format.

2. Faded or Damaged Serial Numbers

Solution: Use proper lighting, magnification, or professional tools to read the serial number.

3. Lack of Official Resources

Solution: Contact manufacturer support or authorized dealers for assistance.

4. Multiple Serial Numbers

Some engines may have more than one identifier; ensure you?re decoding the engine serial number, not the vehicle VIN.

Maintaining and Recording Your Engine Serial Number

To ensure easy access when needed:

- Record the serial number in your maintenance logs.
- Take pictures of the serial number plate.
- Store documentation in a safe place.
- Share the serial number with service providers during repairs or parts orders.

Conclusion

Decoding your **international truck engine serial number** is a vital practice for maintaining your vehicle?s health, ensuring compatibility of parts, and verifying its history. By understanding the structure of serial numbers, utilizing manufacturer resources, and following systematic decoding steps, you can unlock a wealth of information about your engine. Whether you?re performing routine maintenance, troubleshooting issues, or preparing for resale, mastering engine serial number decoding empowers you with knowledge and confidence.

Remember, always consult official manufacturer resources or authorized service centers to ensure

accurate decoding and interpretation of your engine serial number. Proper documentation and understanding of your engine data will serve you well throughout your truck?s lifespan.

International Truck Engine Serial Number Decoder: A Comprehensive Guide to Unlocking Your Engine?s History

Understanding your truck?s engine is essential for maintenance, repairs, and ensuring your vehicle?s longevity. One of the most valuable pieces of information about any engine is its serial number?an alphanumeric code that holds vital details about the engine?s manufacturing origin, specifications, and history. When it comes to international truck engine serial number decoder, enthusiasts, mechanics, and fleet managers alike benefit from knowing how to interpret these complex codes. This guide aims to walk you through the process of decoding international truck engine serial numbers, providing clarity and confidence in managing your heavy-duty vehicle.

Why Is the Engine Serial Number Important?

Before diving into the decoding process, it?s helpful to understand why the engine serial number (ESN) is so important:

- Identification: Unique to each engine, allowing you to distinguish it from others.
- Manufacturing Details: Provides information about the production date, factory location, and specifications.
- Warranty and Service: Necessary for warranty claims and verifying service history.
- Parts Compatibility: Ensures you order the correct replacement parts tailored for your engine model.
- Historical Data: Helps track recalls, modifications, and upgrades.

Overview of International Truck Engine Serial Numbers

International trucks, produced by Navistar International Corporation, have a specific format for their engine serial numbers. These serial numbers encode critical manufacturing and engine data in a structured alphanumeric sequence. Recognizing the pattern and decoding the information embedded within the serial number can be complex but rewarding.

Key Points:

- The format may vary depending on the engine model and production year.
- Serial numbers are usually stamped on the engine block or on a metal plate affixed to the engine.

- The decoding process involves understanding the manufacturer?s coding conventions.

How to Locate the Engine Serial Number

Finding the serial number is the first step in decoding. Typical locations include:

- Engine block: Near the timing cover, cylinder head, or oil filter housing.
- Data plate: A metal tag attached with rivets or screws, often on the valve cover or intake manifold.
- Service manual or vehicle documentation: Sometimes recorded during initial assembly or service.

Once identified, record the entire serial number accurately, including all letters and numbers.

Decoding International Truck Engine Serial Numbers: Step-by-Step Guide

Decoding involves understanding what each segment of the serial number signifies. Although specific details can vary based on the engine model and production year, the following general guidelines apply.

Step 1: Break Down the Serial Number Structure

Most international truck engine serial numbers can be segmented into parts, each representing different data points:

- Production Year and Month
- Plant or Factory Code
- Engine Series or Model Number
- Serial Sequence Number

For example, a serial number like "XG1234567890" might be broken down into:

- "XG" ? Factory code
- "12" ? Year (2012)
- "34" ? Month (April)
- "567890" ? Unique serial sequence

Note: Always verify the format with manufacturer-specific documentation.

Step 2: Identify the Manufacturing Year and Month

Manufacturers often encode the production date within the serial number:

- Year: Usually represented by two digits (e.g., "12" for 2012).
- Month: Two digits (e.g., "04" for April).

Tip: Consult manufacturer charts to confirm the coding conventions, as some may use letters or other symbols.

Step 3: Determine the Factory or Plant Location

The first few characters or digits typically indicate the manufacturing plant:

- Factory codes: "XG" might indicate a plant in the USA.
- Other codes could denote Mexico, Canada, or other international locations.

Check manufacturer references or official decoding guides for accurate mapping.

Step 4: Recognize the Engine Model or Series

Serial numbers often include a segment pointing to the engine?s model:

- These might be numeric or alphanumeric codes.
- They relate to the engine family, horsepower, or configuration.

Example: "123" in the serial could refer to a 13-liter engine series.

Step 5: Find the Unique Serial Sequence

The last segment ensures each engine is uniquely identifiable:

- Typically a sequential number.
- Used for tracking production and service history.

Manufacturer-Specific Codes and Resources

Because decoding can vary with engine type and year, it?s essential to refer to official resources:

- International/Navistar service manuals
- Official decoding charts published by Navistar
- Dealer or authorized service centers
- Online forums and community groups

Having access to accurate resources ensures you interpret the serial number correctly.

Common International Truck Engine Models and Their Serial Number Features

Below are some popular engine families from International trucks, with notes on decoding:

MaxxForce Engines

- Used in medium-duty trucks and buses.
- Serial numbers often include the model code, manufacture year, and plant code.
- Decoding helps identify emissions standards compliance and horsepower ratings.

A26 Engines

- Common in heavy-duty applications.
- Serial number segments specify configuration, emission standards, and production batch.

Practical Tips for Decoding and Verification

- Always cross-reference: Use multiple sources to confirm decoding accuracy.
- Photograph serial number: Keep clear photos for future reference.
- Consult professionals: Certified mechanics or Navistar representatives can assist with complex decoding.
- Maintain records: Document serial numbers and decoding results for vehicle history.

Conclusion: Mastering the International Truck Engine Serial Number Decoder

Decoding your international truck engine serial number unlocks a wealth of information vital for maintenance, repairs, and vehicle management. While the process may seem complex initially, understanding the structure and conventions used by Navistar simplifies the task. Remember to

always consult official resources and seek professional assistance when needed. With this knowledge, you can confidently identify engine specifications, verify authenticity, and ensure your truck remains in optimal condition for years to come.

Empowered with a clear understanding of your engine?s serial number, you?re better equipped to make informed decisions?whether it?s ordering parts, scheduling service, or tracking your vehicle?s history.

QuestionAnswer What is an international truck engine serial number decoder? An international truck engine serial number decoder is a tool or guide that helps identify specific details about a truck's engine, such as its model, manufacturing date, specifications, and production history, by analyzing its serial number. How do I locate the engine serial number on my International truck? The engine serial number on an International truck is typically found on the engine block, often near the cylinder head or on a stamped metal plate. Refer to your vehicle's manual or consult a mechanic if you're unsure where to locate it. What information can I obtain from decoding my International truck engine serial number? Decoding the serial number can reveal details such as the engine model, production year, manufacturing plant, engine specifications, and sometimes the original configuration or features. Are there online tools available to decode International truck engine serial numbers? Yes, there are online databases and tools provided by International Trucks or third-party websites that allow you to input the serial number to retrieve detailed engine information. Why is it important to decode my International truck engine serial number? Decoding the serial number is important for parts replacement, maintenance, verifying authenticity, resale value, and ensuring compatibility with upgrades or repairs. Can I decode the engine serial number myself or do I need a professional? While some serial number decoding can be done using online resources or manuals, complex or detailed information may require a professional mechanic or authorized dealer for accurate interpretation. Does decoding the serial number help in identifying recalls or service bulletins for my International truck engine? Yes, decoding the serial number can help determine if your specific engine model is subject to recalls, technical service bulletins, or warranty coverage updates. Are engine serial numbers unique to each International truck engine? Yes, each International truck engine has a unique serial number that distinguishes it from other engines, enabling precise identification and record-keeping. What should I do if I can't decode my International truck engine serial number? If you're unable to decode the serial number, contact an authorized International dealer or a professional mechanic who can assist in interpreting the information or verifying your engine details.

Related keywords: truck engine serial number decoder, international engine serial number lookup, international truck engine identification, engine serial number decoding guide, international truck engine parts, engine serial number location, truck engine specifications, international engine manufacturing date, serial number decoding tool, heavy-duty truck engine identification

fedders serial number

Fedders serial number is an essential identifier for anyone owning or interested in Fedders air conditioning units, heaters, or other appliances. Understanding how to locate, interpret, and utilize the serial number can significantly aid in product registration, warranty claims, troubleshooting, and genuine parts procurement. This comprehensive guide will delve into everything you need to know about Fedders serial numbers?from their format and location to their importance and how to decode them effectively.

What Is a Fedders Serial Number?

A Fedders serial number is a unique alphanumeric code assigned to each appliance manufactured by Fedders, a well-known brand specializing in air conditioning and heating solutions. This identifier functions as a digital fingerprint, providing specific details about the product's manufacturing date, model, and production batch.

Why Is the Fedders Serial Number Important?

Understanding and correctly interpreting the serial number offers numerous benefits:

1. Product Authentication

- Verifies the authenticity of the Fedders appliance.
- Helps prevent purchasing counterfeit or stolen units.

2. Warranty and Service

- Essential for warranty registration.
- Facilitates accurate and swift service or repairs.

3. Product Recalls and Safety Notices

- Enables manufacturers and consumers to identify if their unit is affected by recalls.

4. Maintenance and Parts Replacement

- Assists in sourcing compatible replacement parts.

Where to Find the Fedders Serial Number

Locating the serial number is the first step in leveraging its benefits. Fedders typically places the serial number in specific, accessible locations depending on the product type.

1. Window and Split Air Conditioners

- On the side or back of the unit, often on a metal plate or sticker.
- Inside the front panel or near the control panel.

2. Portable Air Conditioners

- Usually on the back or bottom of the unit.
- Inside or near the water tank or filter compartment.

3. Heaters and Other Appliances

- On the rear panel or side.
- Inside the door or access panel.

4. Online Resources

- Check the user manual or original packaging if physical location is hard to find.
- Fedders? official website or customer support may offer guidance based on model numbers.

Deciphering the Fedders Serial Number

Fedders serial numbers are typically composed of a combination of letters and numbers arranged in a specific format. While formats may vary across product lines and manufacturing periods, understanding the common patterns can help decode key information.

Common Serial Number Formats

- MMYYXXXXXX ? where MM is the month, YY is the year, and XXXXXX is a unique production

code.

- ABC123456789 ? a mix of letters and numbers, with certain segments indicating manufacturing details.
- Serial numbers may also include a hyphen or other separators, e.g., 2021-07-XYZ123.

What Information Can You Extract?

To interpret your serial number effectively:

- **Manufacture Date:** Often encoded in the first few characters, indicating month and year.
- **Model Code:** Parts of the serial number may specify the model or series.
- **Production Batch:** Unique identifiers for manufacturing batches, useful for identifying recalls or batch-specific issues.

How to Decode Your Fedders Serial Number

Decoding methods can vary, but the following steps provide a general approach:

Step 1: Locate Your Serial Number

Ensure you have the serial number at hand, located as described above.

Step 2: Break Down the Serial Number

- Identify segments representing the date?look for clues like MMYY or YYYYMM.
- Recognize model identifiers if present.

Step 3: Consult Official Resources

- Refer to the user manual.
- Visit the Fedders official website.
- Contact Fedders customer support for assistance.

Step 4: Use Online Decoding Tools

Some third-party websites and forums offer serial number decoders for various appliance brands, including Fedders. These tools can help interpret the manufacturing date and other details.

Common Issues Related to Fedders Serial Numbers

While serial numbers are invaluable, users may encounter challenges:

1. Faded or Damaged Stickers

- Physical damage can obscure the serial number, making identification difficult.
- Use a flashlight or magnifying glass to read faded characters.

2. Non-standard Formats

- Older models may have different serial number formats.
- Cross-reference with user manuals or support documents.

3. Duplicate Serial Numbers

- Rare cases where serial numbers may not be unique due to manufacturing errors.
- Always verify with official records or purchase receipts.

Registering Your Fedders Appliance Using the Serial Number

Registering your appliance ensures you receive updates, recalls, and warranty coverage.

Steps for Registration:

- Locate the serial number on your product.
- Visit the official Fedders website or authorized registration portal.
- Fill in the required details, including model number, purchase date, and serial number.
- Submit the registration form and keep confirmation receipts or emails.

Tips for Maintaining and Protecting Your Serial Number

To safeguard your serial number:

- Keep a digital and physical copy of your serial number and purchase documents.
- Avoid removing or damaging the label or sticker where the serial number is printed.

- When selling or disposing of the appliance, record the serial number for future reference.
- Share the serial number only with authorized service providers or warranty agents.

Conclusion

Understanding the significance of the Fedders serial number can streamline maintenance, warranty, and authenticity verification processes. Always know where to find the serial number on your appliance, interpret its components accurately, and keep this information safe for future needs. Whether you're registering your product, troubleshooting issues, or ensuring you're purchasing genuine parts, the serial number is your vital tool in managing your Fedders appliances effectively. For further assistance, contact Fedders customer support or consult official manuals to decode specific serial number formats relevant to your model.

Fedders Serial Number: A Comprehensive Guide to Identifying, Understanding, and Troubleshooting

When it comes to home appliances, particularly air conditioners, Fedders serial number plays a crucial role in identifying the product's manufacturing details, warranty status, and service history. Whether you're a homeowner trying to verify the authenticity of your unit, a technician troubleshooting an issue, or a collector interested in the product's production details, understanding the Fedders serial number is essential. This article provides an in-depth exploration of what the serial number entails, how to decode it, its significance, and practical tips for using this information effectively.

Understanding the Fedders Serial Number: What Is It?

The serial number on a Fedders appliance is a unique alphanumeric code assigned to each unit at the time of manufacturing. It serves as the product's fingerprint, encapsulating vital information such as the manufacturing date, factory location, and sometimes specific model details. Unlike model numbers, which identify the type or design of the product, serial numbers are primarily used for tracking individual units.

Key Features of Fedders Serial Numbers:

- Unique to each product
- Contains encoded information about manufacturing details
- Used for warranty claims, repairs, and authenticity verification
- Varies in format depending on the manufacturing year or region

Decoding the Fedders Serial Number

Deciphering a Fedders serial number involves understanding its structure and what each segment represents. While Fedders has used various formats over the years, certain common patterns can be identified.

Typical Serial Number Formats

- Format with Year and Batch Code:

Example: F12345678

- The first letter(s) or digit(s) indicate the manufacturing year
- Followed by batch or factory code
- Remaining digits are unique serial identifiers

- Date-Embedded Format:

Example: A19A12345

- The first two characters indicate the month and year (e.g., A1 = January 2019)
- Next characters denote factory or plant code
- Ending digits are unique identifiers

- Complex Alphanumeric Structure:

Example: F-19-AB-123456

- Segment 1: Model series or type
- Segment 2: Manufacturing year and month
- Segment 3: Factory code
- Segment 4: Serial sequence

Note: Due to variations over the years and regions, always consult specific documentation or contact customer support for exact decoding.

How to Decode Your Serial Number

- Locate the Serial Number: Usually found on the unit's nameplate, near the compressor, or on the back of the appliance.
- Identify the Format: Check if the serial number contains date codes, letters, or numerical sequences.
- Consult Official Resources: Use the Fedders user manual, warranty card, or official website for decoding guides.
- Contact Customer Support: If decoding is complex, reach out to Fedders customer service with the serial number for clarification.

The Significance of Fedders Serial Numbers

Understanding and correctly interpreting the serial number offers several benefits:

1. Verifying Authenticity

Counterfeit appliances are prevalent in the market. The serial number helps verify whether your Fedders unit is genuine. Cross-referencing the serial number with official records can prevent purchasing fake products.

2. Determining Manufacturing Date

The serial number encodes the production date, helping owners understand the age of their appliance. This is crucial for maintenance, resale value, or estimating lifespan.

3. Warranty and Service Eligibility

Warranty periods are often calculated from the manufacturing date. Knowing your serial number allows you to check if your unit is still under warranty or eligible for free or discounted repairs.

4. Tracking Repairs and Service History

Service centers record repairs linked to serial numbers. Maintaining this record ensures smoother future service and helps identify recurring issues.

5. Resale and Valuation

For resale purposes, serial numbers authenticate the product's age and origin, impacting its valuation.

Common Issues Related to Fedders Serial Numbers

While serial numbers are invaluable, they can sometimes pose challenges:

1. Faded or Damaged Nameplates

Exposure to elements or wear can make serial numbers illegible, complicating verification.

2. Confusing Format Variations

Different years or models may have different serial number structures, leading to misinterpretation.

3. Counterfeit Serial Numbers

Manufacturers or counterfeiters may alter or duplicate serial numbers to deceive buyers.

4. Missing Serial Numbers

Some units may have missing or erased serial numbers due to repairs or repainting.

Solutions:

- Use magnification or good lighting to read faded serial numbers
- Cross-reference with purchase documents
- Contact Fedders support for verification
- Keep a record of serial numbers for all appliances

Best Practices for Managing Fedders Serial Numbers

To maximize the benefits of serial number knowledge, follow these best practices:

- Record Serial Numbers Upon Purchase: Keep a digital and physical record.
- Photograph the Nameplate: Capture clear images of serial and model numbers.
- Register Your Appliance: Use official registration to link serial numbers and warranties.
- Regularly Check Serial Numbers During Servicing: Maintain logs for future reference.
- Verify Before Resale: Provide authenticity proof via serial number documentation.

Conclusion

The Fedders serial number is more than just a string of characters; it is a gateway to understanding your appliance's history, verifying its authenticity, and ensuring proper maintenance and service.

Decoding and managing serial numbers effectively can save time, money, and effort in the long run. Whether you are a homeowner, technician, or reseller, mastering the knowledge of Fedders serial numbers enhances your ability to care for and authenticate your appliances. Always keep your serial number information well-documented and consult official sources when in doubt to make the most of this vital identification tool.

Pros of Understanding Fedders Serial Numbers:

- Ensures product authenticity
- Helps determine manufacturing date
- Facilitates warranty claims
- Aids in troubleshooting and repairs
- Supports resale efforts

Cons or Challenges:

- Variations in serial number formats over years
- Faded or damaged nameplates
- Risk of counterfeit serial numbers
- Need for official decoding resources

Features to Remember:

- Unique to each device
- Encodes manufacturing details
- Useful for verification and service

By staying informed and attentive to your Fedders serial number, you can ensure better product management, genuine ownership, and efficient service support.

QuestionAnswer How can I find the serial number on my Fedders air conditioner? The serial number on a Fedders air conditioner is typically located on a label or data plate found on the side or back of the unit, near the compressor or fan motor. It may also be inside the front panel or near the control panel, depending on the model. Why is the serial number important for Fedders products? The serial number helps identify the specific model and manufacturing date of your Fedders unit, which is essential for warranty claims, repairs, or finding compatible replacement parts. Can I register my Fedders air conditioner using the serial number? Yes, most manufacturers, including Fedders, require the serial number for registration to activate warranty coverage and access

customer support services. What information about my Fedders unit can be obtained from its serial number? The serial number often encodes manufacturing date, production location, and model information, which can be useful for troubleshooting or when ordering parts. Are Fedders serial numbers unique to each unit? Yes, each Fedders unit has a unique serial number that distinguishes it from other units, ensuring accurate identification and record-keeping. How do I decode my Fedders serial number? Decoding varies by model, but generally the serial number contains codes for manufacturing year, month, and factory. Refer to the user manual or contact Fedders customer support for specific decoding information. What should I do if I can't find the serial number on my Fedders appliance? If the serial number label is missing or illegible, contact Fedders customer support with details of your unit, such as model number and purchase date, for assistance. Is the serial number required for troubleshooting Fedders units? Providing the serial number can help customer support identify your specific model and manufacturing details, leading to more accurate troubleshooting assistance. Can I use the serial number to verify the authenticity of my Fedders product? Yes, verifying the serial number with official Fedders records or through authorized dealers can help confirm the authenticity of your unit and prevent counterfeit products.

Related keywords: Fedders model number, Fedders product code, Fedders appliance serial, Fedders unit identification, Fedders manufacturing number, Fedders compressor serial, Fedders HVAC serial, Fedders part number, Fedders appliance ID, Fedders serial lookup

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