

hilti dsh 700-x parts list

hilti dsh 700-x parts list: A Complete Guide to Components, Replacement Parts, and Maintenance

If you're a professional contractor, DIY enthusiast, or maintenance technician working with the Hilti DSH 700-X demolition hammer, understanding its parts list is essential for proper maintenance, troubleshooting, and repairs. The Hilti DSH 700-X is renowned for its power, durability, and efficiency, making it a preferred choice for heavy-duty demolition tasks. Keeping an up-to-date parts list can help you identify components that may need replacement over time, ensuring your tool remains in optimal condition.

In this comprehensive guide, we will delve into the detailed parts list of the Hilti DSH 700-X, covering all major components, common replacement parts, and maintenance tips. Whether you're preparing for repairs or simply want to understand your tool better, this article will serve as your go-to resource.

Understanding the Hilti DSH 700-X Parts List

The Hilti DSH 700-X demolition hammer comprises numerous components working together to deliver high-impact force and efficient operation. Familiarity with its parts list ensures you can quickly identify, order, and replace worn or damaged parts, minimizing downtime and extending the lifespan of your equipment.

Key Components of the Hilti DSH 700-X

The main parts of the Hilti DSH 700-X can be categorized into several groups:

- Powertrain Components
- Housing and External Parts
- Electrical and Control Parts
- Accessories and Consumables

We'll explore each category in detail, listing the essential parts and their functions.

Detailed Parts List of the Hilti DSH 700-X

1. Powertrain Components

The powertrain is responsible for generating and transmitting the impact force necessary for demolition tasks.

a. Impact Mechanism

- Impact Cylinder: Central to the impact process, it transfers force to the chisel.

- Impact Piston: Moves within the impact cylinder to generate impact energy.
- Impact Spring: Provides the return force for the impact piston.

b. Drive Components

- Rotor/Armature: Converts electrical energy into mechanical energy.
- Stator: Works with the rotor to produce electromagnetic forces.
- Carbon Brushes: Conduct current to the rotor; need replacement over time.

c. Bearings and Seals

- Ball Bearings: Support the rotor shaft, ensuring smooth rotation.
- Sealing Rings: Prevent dust and debris ingress, maintaining internal integrity.

2. Housing and External Parts

These parts provide structural support and protection.

- Housing Shell: Encases internal components; made of durable metal or reinforced plastic.
- Front Housing: Houses the impact mechanism and provides attachment point for the chisel.
- Rear Cover: Protects the motor and electrical components.
- Chisel Holder: Secures the chisel during operation.
- Handle and Grip Assembly: Provides ergonomic handling; may include vibration dampening features.

3. Electrical and Control Parts

Electrical components control the operation and safety features of the tool.

- Switch Assembly: Turns the tool on/off.
- Trigger Button: Activates the tool when pressed.
- Electronic Control Module: Manages power delivery, overload protection, and soft start.
- Wiring Harness: Connects electrical components internally.
- Fuse or Circuit Breaker: Protects against electrical faults.

4. Accessories and Consumables

While not part of the core demolition hammer, these are frequently replaced or used with the DSH 700-X.

- Chisels and Bits: Various sizes and shapes for different demolition tasks.
- Dust Shields: Prevent debris ingress into internal parts.
- Lubricants and Greases: For maintaining moving parts, especially impact components.
- Replacement Carbon Brushes: For electrical maintenance.

Common Replacement Parts and Maintenance Tips

Understanding which parts are most prone to wear and tear helps in planning maintenance schedules.

1. Frequently Replaced Parts

- Carbon Brushes: Typically last between 50-100 hours of use; need regular inspection.
- Impact Piston and Cylinder: Subject to wear; replacement ensures optimal impact force.
- Seals and O-rings: Prevent dust and debris ingress; replace if damaged.
- Brush Holders and Springs: Maintain electrical contact; replacement restores proper operation.
- Bearings: Should be inspected periodically for smoothness; replace if noisy or worn.

2. Maintenance Recommendations

- Regular Inspection: Check for signs of wear, damage, or corrosion.
- Cleaning: Remove dust and debris after each use to prevent internal damage.
- Lubrication: Apply appropriate lubricants to impact and moving parts as recommended.
- Electrical Checks: Inspect wiring and electrical components for signs of damage.
- Replacement Schedule: Follow manufacturer guidelines for part replacements to prevent sudden failures.

How to Obtain Genuine Hilti DSH 700-X Parts

To ensure the longevity and safety of your demolition hammer, always opt for genuine Hilti parts. You can purchase replacement components through authorized Hilti dealers, online parts stores, or directly via Hilti's official website.

Tips for Ordering Parts

- Identify Part Numbers: Use the official parts list or schematics.
- Consult Manuals: Refer to the user manual for detailed diagrams.
- Professional Assistance: Seek help from authorized service centers for complex repairs.
- Warranty Considerations: Use genuine parts to maintain warranty validity.

Conclusion

A thorough understanding of the Hilti DSH 700-X parts list is invaluable for effective maintenance, repair, and operation of this powerful demolition tool. By familiarizing yourself with its components — from impact mechanisms to electrical parts — you can ensure your equipment remains reliable and performs at its best. Regular inspection and timely replacement of worn parts will extend the lifespan of your Hilti DSH 700-X, helping you complete demolition tasks efficiently and safely.

Whether you're upgrading parts, troubleshooting issues, or performing routine maintenance, always prioritize genuine Hilti parts and adhere to manufacturer guidelines. With proper care and knowledge, your Hilti DSH 700-X will serve you reliably for years to come.

Keywords: hilti dsh 700-x parts list, demolition hammer parts, replacement parts hilti dsh 700-x, impact mechanism components, electrical parts hilti, maintenance hilti dsh 700-x, genuine hilti parts, tools repair guide

Frequently Asked Questions

What components are included in the Hilti DSH 700-X parts list?

The Hilti DSH 700-X parts list includes essential components such as the motor assembly, gearbox, cutting disc, safety guard, handle, electrical components, and fastening hardware.

Where can I find the official parts list for the Hilti DSH 700-X?

You can find the official parts list in the Hilti DSH 700-X user manual or on the Hilti website under the product's technical documentation section.

How do I identify replacement parts for the Hilti DSH 700-X?

Replacement parts can be identified using the part number from the parts list and cross-referencing it with Hilti authorized dealers or the official Hilti parts catalog.

Are there compatible aftermarket parts for the Hilti DSH 700-X?

Hilti recommends using genuine parts for safety and performance; aftermarket parts are not officially supported and may affect tool operation or warranty coverage.

What is the procedure to order parts listed in the Hilti DSH 700-X parts list?

Parts can be ordered through authorized Hilti service centers, online parts ordering portals, or Hilti customer service by providing the specific part number from the parts list.

How often should I replace parts listed in the Hilti DSH 700-X parts list?

Replacement frequency depends on usage and wear; consult the maintenance guidelines in the user manual or Hilti service recommendations for specific parts like the cutting disc

or brushes.

Can I repair the Hilti DSH 700-X myself using parts from the parts list?

Yes, with proper knowledge and tools, some repairs can be performed using the parts from the list; however, for complex repairs, it is recommended to seek professional servicing.

What safety precautions should I take when replacing parts from the Hilti DSH 700-X parts list?

Always disconnect the tool from power before replacing parts, wear appropriate personal protective equipment, and follow the manufacturer's instructions to ensure safe handling and installation.

Additional Resources

[Hilti DSH 700-X Parts List: An In-Depth Expert Review](#)

When it comes to professional-grade demolition and cutting tools, Hilti remains a trusted name worldwide. Among their extensive product lineup, the Hilti DSH 700-X stands out as a versatile and powerful electric demolition hammer designed for heavy-duty applications. To ensure optimal performance, longevity, and ease of maintenance, understanding the Hilti DSH 700-X parts list is essential for users, technicians, and service centers alike. In this comprehensive review, we'll explore the various components of the DSH 700-X, their functions, and how they contribute to the tool's overall efficiency.

Overview of the Hilti DSH 700-X

The Hilti DSH 700-X is a professional demolition hammer engineered for demanding tasks such as breaking concrete, masonry, and other tough materials. Its robust construction, combined with innovative features, makes it suitable for construction sites, renovation projects, and industrial applications. The tool is powered by a high-performance motor and features a range of replaceable parts designed for durability and ease of maintenance.

Understanding the parts list of the DSH 700-X is vital for troubleshooting, repairs, and replacements. It helps users identify the specific components that might need servicing, ensuring the tool remains in peak condition.

Key Components in the Hilti DSH 700-X Parts List

The DSH 700-X comprises several critical components, each playing a distinct role in its operation. Let's examine these parts in detail.

1. Housing and Frame

Description:

The outer shell of the DSH 700-X provides structural integrity and protection for internal components. Made from durable, impact-resistant plastic or metal alloys, the housing safeguards against dust, debris, and accidental impacts.

Functions:

- Protects internal motor, gears, and electrical parts
- Provides mounting points for handles and accessories
- Facilitates cooling and ventilation

Maintenance Tips:

- Inspect for cracks or damage periodically
- Clean dust and debris from vents to prevent overheating

2. Motor Assembly

Description:

At the heart of the DSH 700-X lies a high-powered electric motor. This motor converts electrical energy into mechanical energy to drive the tool's hammering action.

Components Include:

- Armature
- Stator
- Brushes
- Bearings

Functions:

- Generate rotational force (torque)
- Drive the impact mechanism

Common Parts for Replacement:

- Carbon brushes (to maintain electrical contact)
- Bearings (to ensure smooth rotation)
- Windings (sometimes replaced if damaged)

Expert Tip:

Regularly inspect brushes for wear and replace them before they become too short, which

can cause sparking or motor failure.

3. Impact Mechanism (Hammering System)

Description:

The impact mechanism is responsible for delivering the forceful blows necessary for breaking tough materials. It typically includes components such as the piston, striker, and impact bolt.

Components Include:

- Piston
- Impact bolt
- Striker (or hammer mass)
- Anvil or impact housing

Functions:

- Convert rotational motion into linear hammer blows
- Absorb and transfer impact energy efficiently

Maintenance & Replacement:

- Worn impact parts can reduce effectiveness; periodic inspection is essential
- Replace impact bolts or pistons if signs of deformation or excessive wear appear

4. Gearbox Assembly

Description:

The gearbox transmits the motor's rotational force to the impact mechanism. It consists of gears, shafts, and bearings housed within a durable casing.

Components Include:

- Helical or spur gears
- Gear shafts
- Seals and lubricants

Functions:

- Adjust torque and speed ratios
- Protect internal parts from dust and debris

Expert Tips:

- Regularly check gear lubrication levels
- Replace worn gears or damaged shafts promptly to prevent further damage

5. Electrical Components

Description:

Electrical parts manage power delivery to the motor and control functions. They include wiring, switches, overload protectors, and electronic speed controls.

Components Include:

- Power cord and plug
- On/off switch
- Electronic control modules (if applicable)
- Overload protection devices

Functions:

- Enable user control of operation
- Protect the tool from electrical faults

Maintenance Advice:

- Inspect wiring for frays or damage
- Ensure switches operate smoothly

6. Handle and Vibration Absorption System

Description:

The DSH 700-X features ergonomic handles equipped with vibration control mechanisms to reduce user fatigue.

Components Include:

- Main handle with rubberized grip
- Auxiliary handle (if applicable)
- Vibration dampers or isolators

Functions:

- Provide user comfort and control
- Minimize vibrations transmitted to the operator

Tips:

- Tighten handles regularly
- Replace worn vibration dampers for optimal comfort

7. Cooling System Components

Description:

Cooling fins, vents, and sometimes internal fans prevent overheating during prolonged use.

Components Include:

- Cooling fins integrated into housing
- Air vents and filters
- Internal fans or blowers (if present)

Functions:

- Maintain optimal operating temperature
- Extend component lifespan

Maintenance Tips:

- Keep vents clean and free of dust
- Replace filters as needed

8. Accessories and Attachments

While not internal parts, various accessories such as chisels, bits, and adapters are essential for the DSH 700-X's operation.

Common Accessories:

- Chisels of various sizes and shapes
- Carbide-tipped bits
- Adapter tools for different attachments

Note:

Properly matching accessories with the parts list ensures compatibility and optimal performance.

Understanding the Parts List for Maintenance and Repairs

Having a detailed parts list of the Hilti DSH 700-X allows users and technicians to perform accurate maintenance, troubleshoot issues, and order replacements efficiently. It's advisable to consult the official Hilti parts catalog, which provides detailed diagrams and part numbers, ensuring you identify each component correctly.

Benefits include:

- Reduced downtime
- Cost-effective repairs
- Extended tool lifespan

Best Practices:

- Keep a current parts manual on hand
- Use genuine Hilti replacement parts
- Follow manufacturer guidelines for disassembly and assembly

Conclusion

The Hilti DSH 700-X is a highly capable demolition tool, and understanding its parts list is vital for maximizing its performance and longevity. From the sturdy housing and powerful motor to the precise impact mechanism and ergonomic handles, each component plays a crucial role in delivering the efficiency professionals demand.

By familiarizing yourself with each part and its function, you can perform timely maintenance, diagnose issues accurately, and ensure your DSH 700-X remains a reliable asset on your job site. For any repairs or replacements, always refer to official Hilti parts catalogs and consult trained technicians to maintain safety and functionality.

Investing in proper knowledge of your tool's parts list not only enhances your operational capabilities but also ensures your investment in quality equipment continues to serve you effectively for years to come.

Hilti Dsh 700 X Parts List

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