



CAT® H MODEL HAMMERS PARTS REFERENCE GUIDE

MODELS: H25, H35, H45, H55, H65, H75, H80, H95

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PROTECT YOUR INVESTMENT WITH GENUINE CAT® PARTS

Thank you for selecting a Cat® H model hammer.

This guide is designed to provide you with a quick reference for the parts and part numbers you need to keep your Cat H model hammer operating at peak efficiency. Always read and understand the machine's Operation and Maintenance Manual (OMM) prior to performing any type of maintenance.

MAINTENANCE

Proactive preventative maintenance extends the life of your hammer and protects your investment. Only Caterpillar knows Cat hammer's lubrication requirements and recommended inspection/replacement intervals to properly maintain your asset.

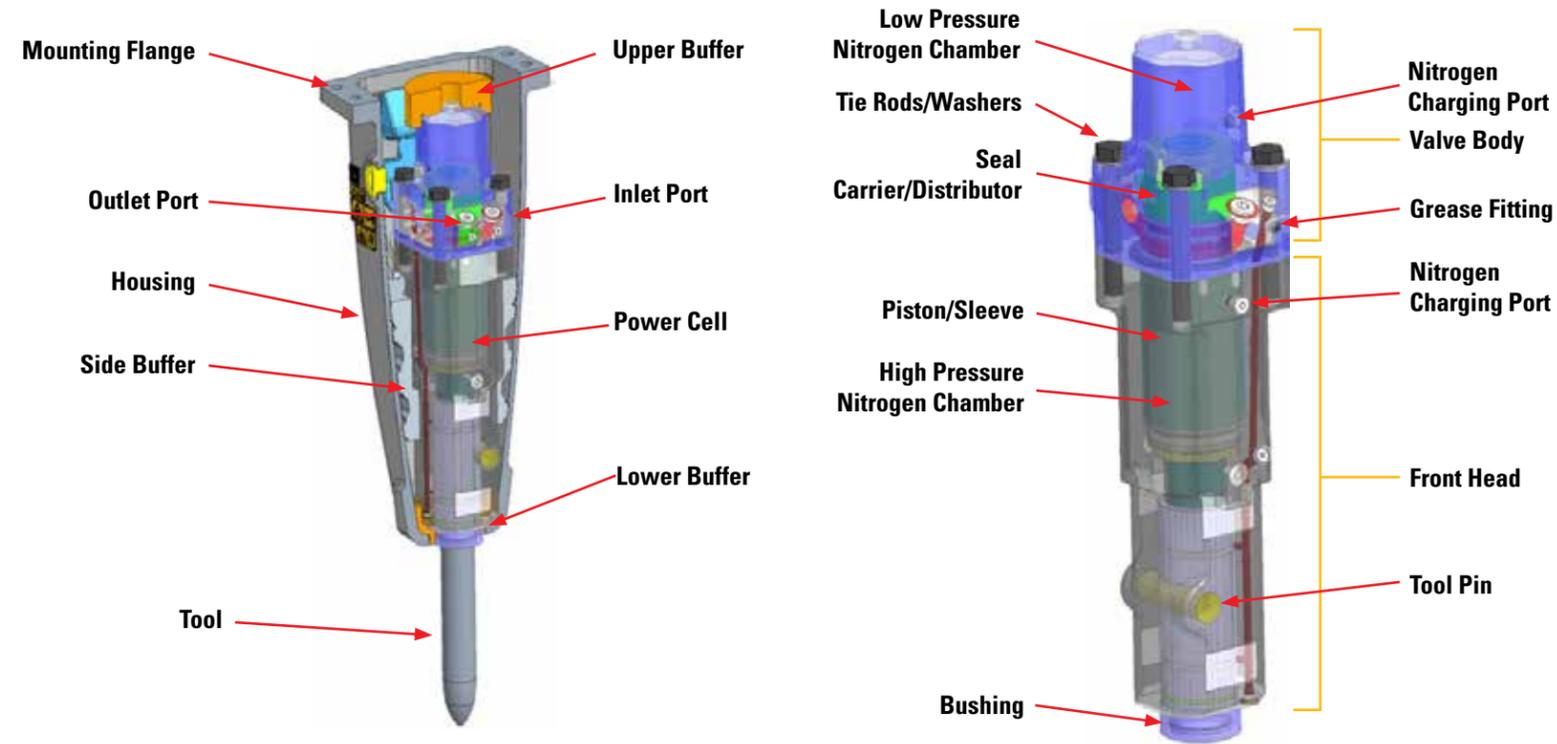
SCHEDULED REPAIR PARTS	
	HAMMER COMPONENTS
	GREASES AND CHARGING KIT
	MAINTENANCE INTERVAL SCHEDULE
	ESTIMATED WEAR LIFE

REPLACEMENT PARTS

Proper maintenance minimizes the need for potential costly repair and replacement. In the event that replacement parts are required, the use of genuine Cat parts helps maximize performance and maintains high resale value. Competitive aftermarket parts may not meet certain original equipment specifications.

WEAR COMPONENTS
HAMMER TOOLS AND RETAINING PINS
BUSHINGS, RETAINING PINS
SEAL KITS
OTHER WEAR COMPONENTS
BUFFERS AND WEAR PLATES
TIE RODS
COMPATIBILITY
HAMMER TO MACHINE MATCHING GUIDE

ANATOMY OF A CAT® H MODEL SILENCED HAMMER



Component	Function
Mounting Flange	Surface used to bolt the mounting bracket to the hammer.
Outlet Port	Connects to the machine auxiliary return via jumper line.
Housing	Structural frame of the hammer. Assembles to the machine via a mounting bracket. Supports and protects the power cell.
Buffer (Side/Upper/Lower)	On silenced hammers, these are positioned between the power cell and housing and protect the machine from impulse forces.
Tool	Ground engaging part of hammer. It transfers energy from the piston into the material being broken.
Inlet Port	Connects to the machine auxiliary supply via jumper line.
Power Cell	Hydraulic component that converts hydraulic flow from the machine into reciprocating motion of the piston.
Nitrogen Chamber	Pressurized compartment within the valve body, above the piston and around the sleeve.
Tie Rod Nuts/Washers	Holds the back head, cylinder, and front head power cell sections together.
Seal Carrier/Distributor	Controls the up and down motion of the piston via hydraulic fluid distribution.
Piston/Sleeve	Cycles up and down within the cylinder. It strikes the top of the tool, transferring an "energy wave" through the tool.
Bushing	Wear part that guide the tool and keep it in-line with the piston. Also constrains the upward motion of the tool.
Nitrogen Charging Port	Used to charge the nitrogen chambers with nitrogen and to check nitrogen pressure.
Valve Body	Top portion of power cell. It contains the nitrogen charge used to store energy and impart down force to the piston.
Grease Fitting	Used to supply grease between the bushings and tool.
Front Head	Lower portion of the power cell. It retains and guides the hammer tool.
Tool Pin	Retains the hammer tool within the front head. It is retained, in turn, by a roll pin.

PREVENTIVE MAINTENANCE - LUBRICATING GREASE

All H Model Hammer Models	All Serial Number Prefixes	Every 2 hours of operation
		Manual Greasing 400g (14 oz) Cartridge
		130-6951

MAINTENANCE - GAS CHARGING KIT

		Part Description	Part Number	Quantity
All H Model Hammer Models	All Serial Number Prefixes	Accumulator Charging Group	121-6583	1
		Nitrogen Charging Group	175-5507	1
		Charging Adapter Group*	229-3440	1
		Hose Assembly	9U-6739	1
		Adapter**	9U-6741	1
		Washer**	1P-7326	1
		Connector**	8T-7860	1
		O-Ring Seal**	3J-7354	1
		Adapter**	5P-2937	1
		Nipple**	5P-8998	1
		Quick Disconnect Fitting**	8S-4599	1
		Fitting**	2S-5244	1

*This group includes the following components: 3K-0360 O-Ring Seal, 229-3441 Adapter and 229-3442 Pin.

**Only for connecting 9U-6740 Accumulator Charging Group to 175-5507 Nitrogen Charging Group

ESTIMATED WEAR LIFE

The chart below details the estimated life of your hammer components under normal operating conditions. It is not meant to replace daily maintenance requirements and inspections outlined in your OMM. The hours noted are only an estimation and may need to be replaced prior to the listed hours.

Description	Estimated Life of Components (Hours)	Recommended Actions
Tool (Tool Bit)	250***	Inspect and Replace as required
Wear Components		
Lower Bushing	300	Inspect, Rotate or Replace if needed
Tool Retainers	600	Inspect**
Seal Set*	600 or 1 Year	Annual Reseal*
Membrane*	600	Replace with Reseal*
Upper Bushing	600	Inspect**
Side Buffer	1200	Inspect**
Top Buffer	1200	Inspect**
Bottom Buffer	1200	Inspect**
Wear Plate	1200	Inspect**
Tie Rod	2400	Inspect**
Tie Rod Nut	2400	Inspect**
Maintenance Components		
Cylinder	2400	—
Piston	3600	—
Front Head	3600	—

In addition to daily maintenance requirements.

* Seal Set and Membrane - Every 600 Hours or 1 Year - whichever comes first.

** Recommendation to Inspect all Wear Components during Annual Reseal.

*** Tool Bit Wear Life can be impacted by the abrasiveness of the materials and application.

Refer to the Operations and Maintenance manual for proper Inspection and Assembly/Disassembly as well as Wear Component Tolerances.

MAINTENANCE INTERVAL SCHEDULE

All Cat® H Model Hammers and Serial Number Prefixes		
Interval	Component	Action Required
When Required	Tool	Inspect the Tool for wear.
		Inspect the notch area for burrs. Remove any burrs.
		Inspect the tool for cracks. If the tool is cracked, replace.
	Tool Pins	Inspect the pin for wear and if worn beyond wear limit dimensions, replace.
Inspect the pin for cracks. If the pin is cracked, replace.		
Upper and Lower Bushings	Inspect the tool contact area for wear and compare with Wear Limits in Operations and Maintenance Manual (OMM).	
	Replace the bushing if it exceeds the wear limits.	
Every 2 Service Hours, or 4 Times Daily	Lubricate Work Tool	Apply 10 to 15 strokes from the grease gun to the grease fitting.
Initial 50 Hours	Mounting Bracket Bolts	Re-tighten to the required torque value. Refer to OMM instructions.
	Housing Bolts	Re-tighten to the required torque value. Refer to OMM instructions. Non-silenced hammers only.
Every 50 Service Hours, or Weekly	Jumper Lines	Check supply and return lines for damage, or leaks.
		Check quick disconnects and hydraulic connectors for damage, or leaks. Replace as needed. Replace quick disconnects as a matching pair.
	Tool	Inspect the tool for wear.
		Inspect the notch area for burrs. Remove any burrs.
Tool Retaining Pins	Inspect the pin for wear and if worn beyond wear limit dimensions, replace.	
	Inspect the pin for cracks. If the pin is cracked, replace.	
Upper and Lower Bushings	Inspect the tool contact area for wear and compare with Wear Limits in the OMM.	
	Replace the bushing if it exceeds the wear limits.	
Every 600 Service Hours, or 1 year, whichever comes first	Nitrogen Accumulators	Charge high pressure and low pressure nitrogen chambers. Follow charging instructions and pressures, as detailed in the OMM.
Every 600 Service Hours, or 1 Year, whichever comes first	Seals	The hammer MUST BE RESEALED on an ANNUAL SCHEDULE or every 600 hours, whichever comes first.
	All Wear Components	Inspect all of the wear parts.
		Replace all of the damaged parts, or the parts that are worn.
		Refer to the Service Manual, "Specifications, Disassembly and Assembly, and the Systems Operation, Testing and Adjusting Sections" for information on the hammer.

HAMMER TOOLS

Hammer Model	Serial Number Prefix	Retaining Pin	Moil, Cone	Chisel, Parallel	Chisel, Cross Cut	Spade, Parallel	Spade, Transverse	Blunt	Compaction Plate
H25	PGT	373-9219 and 373-9220 (Quantity 2)	373-9233	-	373-1609	-	-	-	-
H35	H35/3X6	417-9008	423-8334	423-8333	428-8033	433-9659	433-9658	423-8336	433-9645
H45	J4G/3X7	417-9008	423-8329	423-8327	428-8025	433-9657	433-9656	423-8331	433-9646
H55	HHG/3X9	417-8945	423-8312	423-8310	428-8024	433-9655	433-9654	423-8314	433-9648
H65	K65/3X8	417-8945	423-8308	423-8307	428-8022	433-9653	433-9652	423-8309	433-9651
H75	X9K	376-1051	369-1548	369-1549	399-1711	381-6720	381-6719	376-7947	381-6721
H80	MY8/X2Y	461-9841 and 467-4265	369-1548	369-1549	399-1711	381-6720	381-6719	376-7947	381-6721
H95	D9H/X9F	369-7523 (Quantity 2)	369-0792	369-0793	399-1710	-	-	373-7159	-

Profile Selection				
A	B	C	(A) Moil, Cone	Typically used in sandstone and weak metamorphic rock, tunneling, concrete demolition, trenching and benching.
D	E	F	(B) Chisel, Parallel	Used in applications such as, sandstone and weak metamorphic rock, concrete demolition, trenching and benching, cutting asphalt, and frozen or compacted ground.
G			(C) Chisel, Cross Cut	Used in applications such as, sandstone and weak metamorphic rock, concrete demolition, trenching and benching, cutting asphalt, and frozen or compacted ground.
			(D) Spade, Parallel	Used on frozen or compacted ground, as well as cutting asphalt.
			(E) Spade, Transverse	Used on frozen or compacted ground, as well as cutting asphalt.
			(F) Blunt	Used in breaking boulders, concrete demolition, granite and tough metamorphic rock.
			(G) Compaction Plate	Used in compacting ground.



LOWER AND UPPER BUSHINGS

Hammer Model	Serial Number Prefix	Lower Bushing	Lower Bushing - Retaining Pin	Upper Bushing
H25	PGT	373-9207	-	-
H35	H35/3X6	417-9016	-	-
H45	J4G/3X7	417-8982	-	-
H55	HHG/3X9	417-8954	-	-
H65	K65/3X8	417-8944	-	-
H75	X9K	369-1559	376-1000	369-1558
H80	MY8/X2Y	457-0163	-	-
H95	D9H/X9F	369-1013	369-7531	369-1012

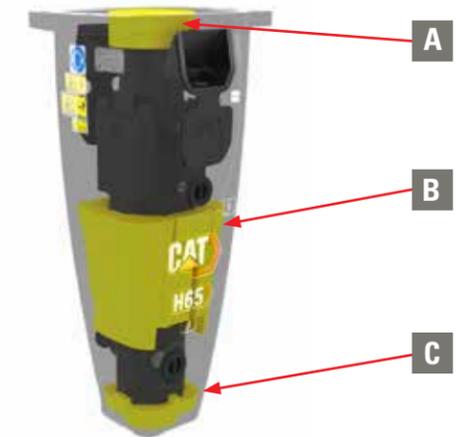
SEAL KITS (Annual Reseal)

Hammer Model	Serial Number Prefix	Seal Kit (Includes seals and diaphragm)	Diaphragm
H25	PGT	373-9232	-
H35	H35/3X6	417-8994	-
H45	J4G/3X7	417-8987	-
H55	HHG/3X9	417-8986	415-1114
H65	K65/3X8	439-5015	417-8929
H75	X9K	369-1551	386-7076
H80	MY8/X2Y	458-3644	457-0174
H95	D9H/X9F	369-0795	386-7076



BUFFERS

Hammer Model	Serial Number Prefix	Upper Buffer (A)	Side Buffer (B)	Lower Buffer (C)
H25	PGT	-	-	-
H35	H35 / 3X6	479-0415	433-9682	433-9683
H45	J4G / 3X7	479-0416	433-9677	433-9678
H55	HHG / 3X9	432-5974	433-9668	433-9673
H65	K65 / 3X8	478-7543	432-5975	433-4722
H75	X9K	470-7098	387-0080 (1)	459-8224
H80	MY8 / X2Y	457-0182	457-0183	457-0185
H95	D9H / X9F	470-7098	374-3549	467-4408



TIE RODS

Hammer Model	Serial Number Prefix	Tie Rods (Quantity of 4 Required)*
H25	PGT	095-0694
H35	H35/3X6	095-9806
H45	J4G/3X7	095-9806
H55	HHG/3X9	353-1660
H65	K65/3X8	353-1660
H75	X9K	139-5943
H80	MY8/X2Y	8T-0657 (Quantity 6)
H95	D9H/X9F	139-5943

*Except where noted

MATCHING GUIDE

Hammer Model	Serial Number Prefix	Mini Hydraulic Excavators							Skid Steer and Compact Track Loaders	Backhoe Loaders	
		1 ton	2 ton	3 ton	4 ton	6 ton	7-9ton	10 ton	All Models	415-440	450
H25	PGT										
H35	H35/3X6										
H45	J4G/3X7										
H55	HHG/3X9										
H65	K65/3X8										
H75	X9K										
H80	MY8/X2Y										
H95	D9H/X9F										

Note 1: Caterpillar recommends the use of a suitable shield/guard system to ensure operator has adequate protection from flying debris.

Note 2: These matches are for general reference purposes for Cat machines only. When special boom and quick coupler arrangements are used, these matches may not apply.

Note 3: When matching hammers to competitive carriers, selection should be made by carrier weight. Refer to the carrier range at the top of the table in order to determine the correct match.



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