



GS690CH-EX

Cordless Framing Nailer



OPERATING & MAINTENANCE MANUAL



WARNING

BEFORE USING THIS TOOL, STUDY THIS MANUAL TO ENSURE SAFETY WARNING AND INSTRUCTIONS.

KEEP THESE INSTRUCTIONS WITH THE TOOL FOR FUTURE REFERENCE.

JULY 2023

GS690CH-EX

HOW TO USE THE BATTERY AND THE CHARGER

PROPER USE OF BATTERY

① Fully charge and use up the Battery.

If you repeat charging the Battery while stored electricity still remains more than half the capacity, the number of nails drivable by each charging could decrease dramatically, shortening the life of the Battery. It is recommended to use it until the LED of the tool has been illuminated in red, indicating that the Battery running out of electricity.

② Use two Batterys alternately.

To ensure the longer life of the Battery, it is recommended to use two of them alternately, one in use while the other is charging preparing a spare one.

CAUTION:

● Do not use the out-of-life Battery.

Use of the out-of-life Battery leads to breakdown of the tool body, and charging it causes the charger to go wrong.

Recycling the Ni-MH Battery

The Battery for the tool uses Ni-MH batteries which are a precious recyclable resource. Once the Battery runs out of life, take it to your nearest distributor without disposing of it.

WARNING:

● In order to prevent short-circuiting, be sure to cover the terminal block (metal section) of the Battery with the Pack Cap (wind the insulating tape) for recycling.

<Battery cells in Battery Pack>

- Nominal voltage: 1.2 V/piece
- Quantity used in 1 pack: 5 pieces

HOW TO USE THE CHARGER

The special purpose charger JC610M has the LEDs (green, red) which indicate the status of the charger and Battery.

	Green LED	Red LED	Status	Description
1.	○ ON	● OFF	Power-on	The charger has been plugged in. (Power-on status: Battery unset)
2.	● OFF	○ ON	Charging	The Battery is being charged.
3.	○ ON	● OFF	Charge Completed	The Battery has been completed charged.
4.	Blinking	Blinking	High temperature alarm	The Battery is hot. (Remove it from the Charger and cool it down for a while before charging.)
5.	○ ON	○ ON	Battery alarm	The Battery is defective. (Replace it with a new one)
6.	Blinking	○ ON	Battery high temperature alarm	The Battery is defective and hot. (Replace it with a new one.)

Troubles of Charger and Battery

The following cases are considered to be the troubles. Replace the charger and Battery with new ones.

- The green LED is not turned on if the power plug of the charger is plugged into a 100-240 V AC (for household use) plug socket. (With the Battery unset)
 - * Check with another electric appliance to see whether electricity is available at the plug socket.
- Neither green nor red LED is turned on or blinks if the Battery is set in the Charger.
- The green LED is not turned on 150 minutes after the red one has been turned on.
- The red LED is not turned on if the Battery is set in the charger.

Preventing the Battery Pack from becoming inactive

In the following cases the Battery Pack must be charged for 12 HOURS to reach top performance:

- Upon purchasing the tool.
- When the tool has not been used for 1 month or longer.
- When it is clear that you can drive less nails even when fully charged.

After the Charge Complete lamp has been turned on, leave the Battery set in the Charger for about another 12 hours.

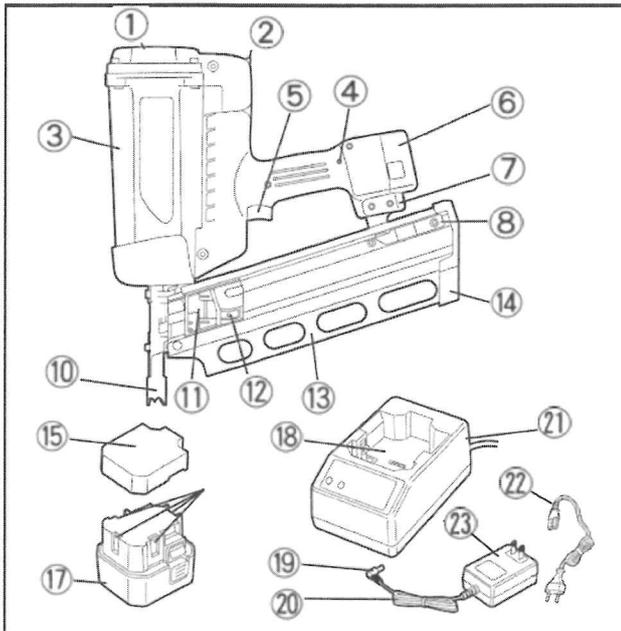
CAUTION:

- After completing your work or when the tool is not used, be sure to remove the Battery Pack from the tool to store it. (Remove the Fuel Cell and nails as well)
If it is left connected, the electric power will be consumed in the standby state.

GS690CH-EX

SPECIFICATIONS

1. NAME OF PARTS



- | | |
|-----------------------------------|--------------------------|
| ① Air Filter Cover | ⑫ Pusher |
| ② Fuel Cover | ⑬ Magazine |
| ③ Body | ⑭ Tail Cover |
| ④ LED | ⑮ Pack Cap |
| ⑤ Trigger | ⑯ Terminal Block |
| ⑥ Battery | ⑰ Battery (JP606H) |
| ⑦ Hook | ⑱ Battery Setting Hollow |
| ⑧ Nail Stopper | ⑲ Jack |
| ⑨ Adjustment Dial
(Nail Depth) | ⑳ Power Cord |
| ⑩ Contact Arm | ㉑ Charger (JC610M) |
| ⑪ Pusher Holder | ㉒ Power Plug NZ |
| | ㉓ DC Adapter |

NOTE: The triangle symbol marked as "▽" following its tool serial number indicates that safety yoke is equipped with this tool.

2. TOOL SPECIFICATIONS

PRODUCT NO.	GS690CH-EX
HEIGHT	15-3/8" (391 mm)
WIDTH	4-3/8" (110 mm)
LENGTH	13-3/8" (340mm)
WEIGHT	7.8 lbs. (3.5 kg) (including Fuel Cell and Battery)
LOADING CAPACITY	40 nails (1 strip)
BATTERY	Battery JP606H for MAX Cordless Fastening System
BATTERY CAPACITY	6V DC, 1.5 Ah
CHARGER	Charger JC610M for MAX gas nailer (AC adapter included)
POWER SOURCE	100-240V AC, 50 or 60 Hz
POWER CONSUMPTION (Rated output)	8VA (10V 800mA)
CHARGING TIME	150 minutes at maximum
ACCESSORIES	Carrying case, Battery, Charger

3. FASTENER SPECIFICATIONS

PRODUCT NO.	GS690CH-EX
NAIL LENGTH	2" to 3-1/2" (50 to 90 mm)
SHANK DIAMETER	.113" to .131" (2.9 to 3.3 mm)
SHANK TYPE	Smooth, Ring, Screw
HEAD DIAMETER	.256" to .303" (6.5 to 7.7 mm)
COLLATION ANGLE	34 degree
HEAD	Clipped head

4. TECHNICAL DATA

① NOISE

A-weighted single-event ----- LWA, 1s, d 105.4 dB
sound power level

A-weighted single-event ----- LpA, 1s, d 98.8 dB
emission sound pressure
level at work station

These values are determined and documented in accordance to EN12549 : 1999.

② VIBRATION

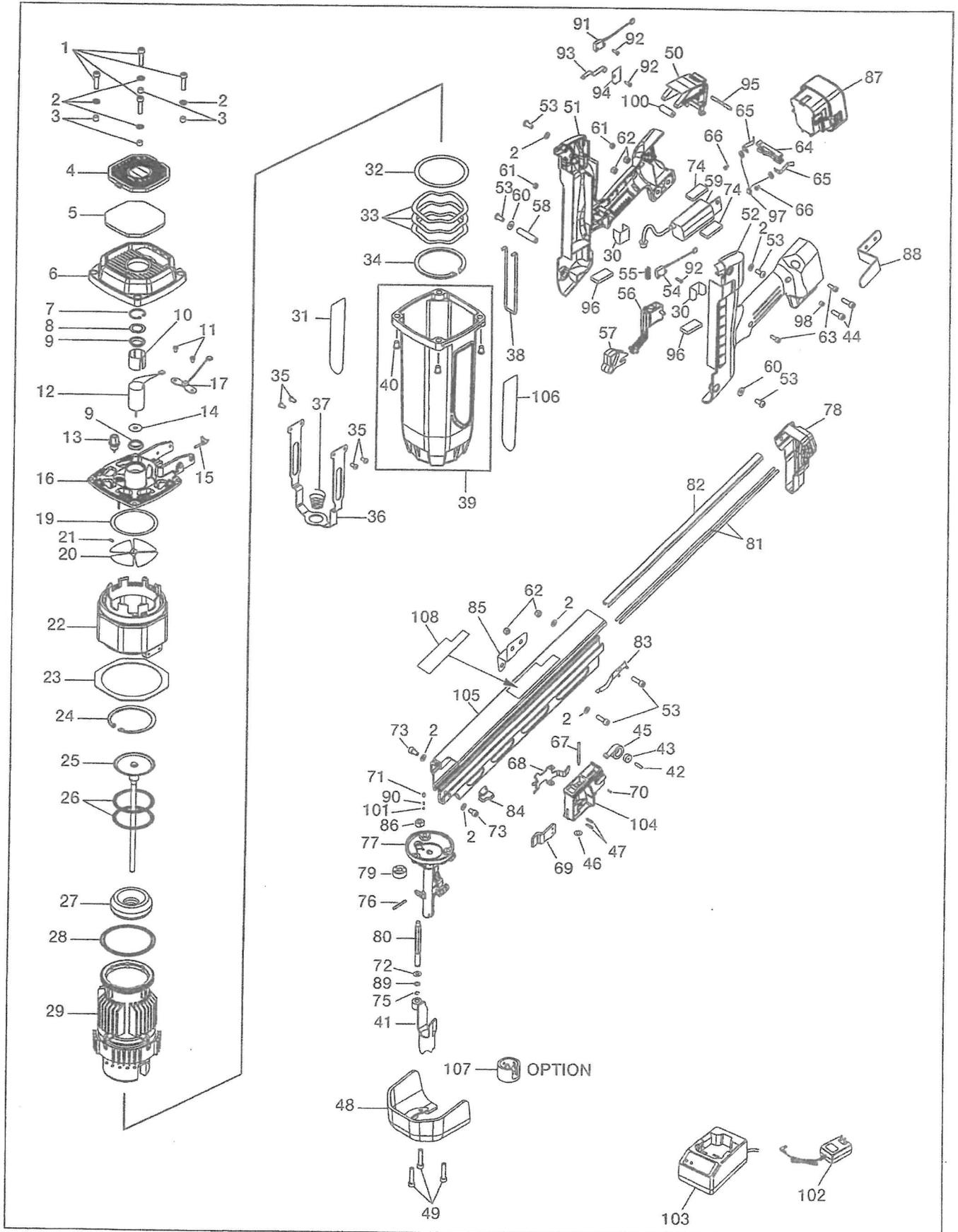
Vibration characteristic value = 4.46 m/s²

These values are determined and documented in accordance to ISO 8662-11.

This value is a tool-related characteristic value and does not represent the influence to the hand-arm-system when using the tool. An influence to the hand-arm-system when using the tool will for example depend on the gripping force, the contact pressure force, the working direction, the workpiece, the workpiece support.

GS690CH-EX

EXPLODED
VIEW AND SPARE
PARTS LIST



Parts List MAX GS690CH-EX Cordless Framing Nailer

Part No	Part Code	Description	Part No	Part Code	Description
1	BB40706	SCREW M5 X 22	64	GN10059	ELECTRODE BLOCK
2	EE31121	PLANE WASHER	65	GN10058	ELECTRODE PLATE
3	FF51520	HOLLOW PIN	66	AA01106	SCREW M3X6
4	GN10002	AIR FILTER COVER	67	FF31603	PARALLEL PIN 1603
5	GN11038	AIR FILTER	68	GN10570	PUSHER
6	GN10001	CYLINDER CAP	69	GN10571	LOCK PLATE
7	JJ22409	RETAINING RING C22	70	KK23932	COMPRESSION SPRING 3932
8	EE39719	PLANE WASHER	71	AA71406	HEX SOCKET HEAD SCREW 4X5
9	GN10448	MOTOR MOUNT	72	EE39721	WASHER
10	GN10449	MOTOR SLEEVE	73	BB40822	HEX BOLT 5X9
11	AA01703	SCREW M4X8	74	GN10761	SPONGE SPACER
12	GN70098	MOTOR UNIT	75	GN10440	ADJUSTER STOPPER
13	GN80036	PLUG	76	FF21221	ROLL PIN 3X25
14	GN10026	WASHER	77	GN10572	NOSE
15	GN10442	NOZZLE	78	GN10584	TAIL COVER (CE)
16	GN10465	CYLINDER HEAD	79	GN10429	ADJUST DIAL
17	GN70137	CONNECTION BOARD UNIT	80	GN11156	CONTACT BOLT
19	HH14165	O-RING	81	GN10575	NAIL GUIDE
20	GN70001	FAN UNIT	82	GN10576	NAIL COVER
21	AA71406	SCREW M4X4	83	GN10433	NAIL STOPPER
22	GN10463	HOUSING	84	GN10434	PUSHER STOPPER
23	GN10456	AIR DAM	85	GN10579	TAIL HANGER
24	GN10018	RETAINING RING	86	GN10438	CONTACT NUT
25	GN70088	MAIN PISTON UNIT	87	GN70341	BATTERY
26	GN10021	PISTON RING	88	GN10520	HOOK
27	GN10691	BUMPER	89	HH19722	O-RING 1A 1.6X4.2
28	HH19606	O-RING	90	KK23643	COMPRESSION SPRING 3843
29	GN80138	CYLINDER	91	GN70128	MOTOR SWITCH UNIT
30	GN10457	TRIGGER GUIDE	92	AA05104	SCREW M3X10
31	GN12420	WARNING LABEL (ISO)	93	GN11161	SWITCH LEVER
32	GN10015	CHECK WASHER	94	GN10084	WASHER
33	GN10016	CHECK SPRING	95	FF31293	STRAIGHT PIN
34	GN11102	RETAINING RING	96	GN10046	SPONGE SPACER
35	BB41407	SCREW M5X8	97	GN70350	POWER CORD HARNESS UNIT
36	GN11204	CAGE	98	GN10083	LED LENS
37	KK83009	CONICAL SPRING	100	GN10085	RUBBER BUSHING
38	GN10043	LOCK-OUT BAR	101	LL71806	STEEL BALL 360
39	GN80050	BODY	102	GN80184	AC ADAPTER ASSY
40	GN10060	INSERT NUT	103	GN70368	CHARGER BASE
41	GN70057	CONTACT ARM UNIT	104	GN10569	PUSHER HOLDER
42	FF31572	PARALLEL PIN 1572	105	GN10865	MAGAZINE (CE)
43	GN10424	SPRING COLLAR	106	GN12422	NAME LABEL (CE)
44	BB40705	SCREW M5X20	107	KN11237	CONTACT TIP (OPTION)
45	KK44021	SPIRAL SPRING	108	GN12427	WARNING LABEL 2
46	EE39609	RUBBER WASHER 1.8X6X2			
47	FF21239	ROOL PIN 4X12			
48	GN70125	EXHAUST COVER			
49	BB40708	SCREW M5X25			
50	GN10455	FUEL COVER			
51	GN11179	GRIP R-EX (CH)			
52	GN11180	GRIP L-EX (CH)			
53	BB40408	SCREW M5X14			
54	GN70129	TRIGGER SWITCH UNIT			
55	KK23975	COMPRESSION SPRING			
56	GN70096	TRIGGER GUIDE			
57	GN10460	CAM			
58	GN10042	CAM BUSHING			
59	GN70132	CONTROL UNIT			
60	EE39172	PLANE WASHER			
61	CC42404	NUT M4			
62	CC49508	NUT M5			
63	BB40704	SCREW M4X12			Jul-23