



46692

1/2" ELECTRIC IMPACT WRENCH



MANUAL & SAFETY INSTRUCTIONS

145.0 mm

SAFETY INSTRUCTIONS

- **Keep work area clean and well lit.** Cluttered or dark areas invite accidents.
- **Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.** Power tools create sparks which may ignite the dust or fumes.
- **Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.
- **Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication.** A moment of inattention while operating power tools may result in serious personal injury.
- **Use personal protective equipment. Always wear eye protection.** Safety equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
- **Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool.** Carrying power tools with your finger on the switch or energizing power tools that have the switch on invites accidents.
- **Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.
- **Dress properly. Do not wear loose clothing or jewelry. Keep your hair, clothing and gloves away from moving parts.** Loose clothes, jewelry or long hair can be caught in moving parts.
- **Only use safety equipment that has been approved by an appropriate standards agency.** Unapproved safety equipment may not provide adequate protection. Eye protection must be ANSI-approved and breathing protection must be NIOSH-approved for the specific hazards in the work area.

ELECTRICAL SAFETY

- **Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with grounded power tools.** Unmodified plugs and matching outlets will reduce risk of electric shock.
- **Avoid body contact with grounded surfaces such as pipes, radiators, ranges and refrigerators.** There is an increased risk of electric shock if your body is grounded.

210.0 mm

- **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
- **Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts.** Damaged or entangled cords increase the risk of electric shock.
- **When operating a power tool outdoors, use an extension cord suitable for outdoor use.** Use of a cord suitable for outdoor use reduces the risk of electric shock.

RECOMMENDED MINIMUM WIRE GAUGE FOR EXTENSION CORDS* (120/240 VOLT)					
NAMEPLATE AMPERES (at full load)	EXTENSION CORD LENGTH				
	25'	50'	75'	100'	150'
0 – 2.0	18	18	18	18	16
2.1 – 3.4	18	18	18	16	14
3.5 – 5.0	18	18	16	14	12
5.1 – 7.0	18	16	14	12	12
7.1 – 12.0	18	14	12	10	-
12.1 – 16.0	14	12	10	-	-
16.1 – 20.0	12	10	-	-	-

TABLE A * Based on limiting the line voltage drop to five volts at 150% of the rated amperes.

MOTOR BRUSHES

NOTE: UNPLUG WRENCH BEFORE INSPECTING BRUSHES:

- The brushes should periodically be inspected for repair. Unscrew plastic caps located beside the motor housing to reveal the spring and brush assembly.
- Keep brushes clean and freely sliding. Symbols are inscribed on the brushes and if it is worn down to the line closest to the spring replace immediately.

SWITCH

- This impact wrench is equipped with a rocker switch that:
Pressing the lower part of the switch makes the impact wrench to move clockwise.
Pressing the upper part of the switch makes the rotation to reverse.

LUBRICATION

- The impact wrench will require lubrication after 30 continuous hours or 50 intermittent hours of use. Refer to the parts diagram or contact an approved service center for lubrication services.

ACCESSORIES

- Only use impact sockets and extensions with impact wrenches. Use of other attachments or accessories may result in injury and will likely void warranties of the tools involved.

LUBRICATION DIRECTIONS:

The following parts must be lubricated with bearing grease before assembling: “V” groove on the cam and the impactor, I.D. OF the impactor, all steel balls, spring bearing surfaces and all thrust washers. Evenly distribute one ounce of grease in the gear case before assembly.

IMPORTANT:

For safety and dependability, only have this Electric tool repaired by a qualified technician. When servicing this tool, as with all double insulated tools, it is extremely important only to use identical replacement parts as required.

REF #	PARTS #	ADESCRIPTION
1	6827001	Bearing
2	6827002	Rotor
3	6827003	Bearing hold board
4	6827004	Bearing
5	6827005	Front cover
6	6827006	Steel cover
7	6827007	Clutch axis
8	6827008	Steel ball
9	6827009	Spring
10	6827010	Steel ball
11	6827011	Impact arm
12	6827012	Spindle
13	6827013	Steel ball
14	6827014	Push-proof cushiony flake
15	6827015	Washer
16	6827016	Gear box
17	6827017	Bolt
18	6827018	Wind-pooof board
19	6827019	Stator

REF #	PARTS #	ADESCRIPTION
20	6827020	Housing
21	6827021	Rear cover
22	6827022	Soft grip
23	6827023	Bolt
24	6827024	Handle cover
25	6827025	Switch
26	6827026	Switch supporting pillar
27	6827027	Brush holder
28	6827028	Carbon brush
29	6827029	Carbon brush cover
30	6827030	Cable
31	6827031	Cable sleeve
32	6827032	Strain relief
33	6827033	Bolt
34	6827034	Pin
35	6827035	Lock washer
36	6827036	Gear
37	6827037	Bearing

ASSEMBLY DIAGRAM

