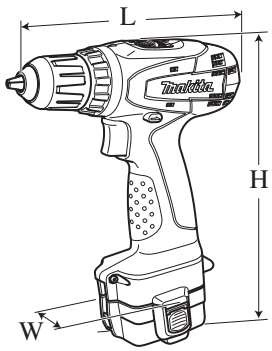
TECHNICAL INFORMATION

Models No. ► 6261D

Description ► 9.6V Cordless Driver Drill 10mm (3/8")



Dimensions: mm (")	
Length (L)	192 (7-9/16)
Width (W)	79 (3-1/8)
Height (H)	240 (9-1/2)

CONCEPT AND MAIN APPLICATIONS

Model 6261D has been developed as the successor model of 6260D, featuring:
- Single sleeve keyless drill chuck for easy bit installation/removal
- New tool design

Model 6261D is available in the following variations.

Model No.	Battery type	Battery quantity	Battery cover	Charger	Rechargeable flashlight	Plastic carrying case
6261DZ	No	---	No	No	No	No
6261DW	9120 (Ni-Cd 1.3Ah)	1	1	DC1414	No	Yes
6261DWE		2	2			
6261DWLE					ML903	
6261DWAE	9122 (Ni-Cd 2.0Ah)	2	2	DC1414	No	Yes
6261DWPE	PA09 (Ni-Cd 1.3Ah)	2	2	DC1414	No	Yes
6261DWPLE					ML903	

Also, the models include the accessory listed in "Standard equipment".

► Specification

Battery	Voltage: V	9.6
	Capacity: Ah	1.3/ 2.0/ 2.6
	Cell	Ni-Cd/ Ni-Cd/ Ni-MH
Max output: W		130
No load speed: min-1=rpm	High	0 - 1,300
	Low	0 - 400
Capacity of drill chuck: mm (")		0.8 - 10 (1/32 - 3/8)
Capacity: mm (")	Steel	10 (3/8)
	Wood	21 (13/16)
Torque setting		16 stage + drill mode
Clutch torque setting: N.m (in.lbs)		1.0 - 4.0 (9 - 35)
Lock torque: N.m (in.lbs)		23 (200)
Max. fastening torque: N.m (in.lbs)	Hard joint	24 (210)
	Soft joint	14 (120)
Electric brake		Yes
Mechanical speed control		Yes (2 speed)
Variable speed control		Yes
Reverse switch		Yes
Net weight [with Battery 9120]: kg (lbs)		1.4 (3.1)

► Standard equipment

+- Bit 2-65 (double-end) ..... 1 pc

Note: The standard equipment for the tool shown above may differ by country.

► Optional accessories

Battery 9120	Battery 9135	Charger DC1414	Automotive charger DC1822	Driver bits
Battery 9122	Battery 9135A	Charger DC1804	Drill bits for wood	
Battery 9134	Battery PA09	Fast charger DC1439	Drill bits for steel	

► Repair

CAUTION: Remove the battery and the bit from the machine for safety before repair/ maintenance in accordance with the instruction manual!

[1] NECESSARY REPAIRING TOOLS

Description	Use for
Hex wrench 8	Removing / Installing Drill chuck
Plastic hammer	Removing Drill chuck

[2] LUBRICATIONS

The components of Gear ass'y has been lubricated in Makita plant and assembled under strict quality control. Therefore, it is recommended to replace Gear ass'y without disassembling in repair.

[3] DISASSEMBLY/ASSEMBLY

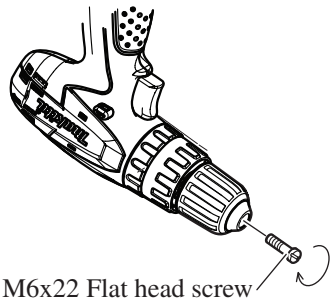
[3]-1. Keyless Drill Chuck

Note: When replacing Gear ass'y, begin by removing Keyless drill chuck.
As long as the repairing does not concern Gear ass'y, it is not necessary to remove Keyless drill chuck.

DISASSEMBLING

(1) Remove M6x22 Flat head screw. (**Fig. 1**)
(2) Preset the machine as illustrated in **Fig.2**.
(3) Hold the machine firmly and pull the switch trigger slowly and carefully.
Note: 1) Pay attention that the machine except Keyless drill chuck starts revolving with strong force. Do not pinch your hand between the moved machine and Vise in this step.
2) If it is impossible to remove Keyless drill chuck, use 1R359 (Chuck removing tool) to remove it. Refer to Makita repair tool list.

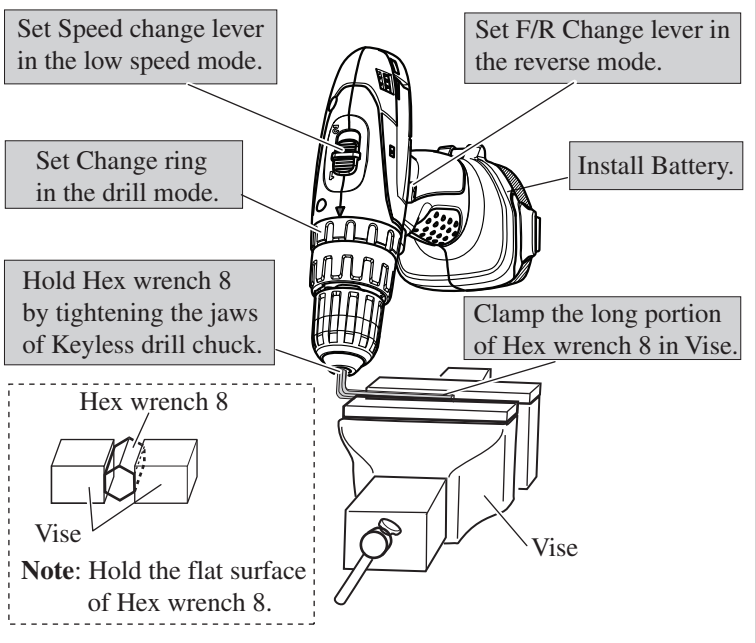
Fig. 1



M6x22 Flat head screw with adhesive
Note: Pay attention to the turning direction.

Open the jaws of Keyless drill chuck fully and remove M6x22 Flat head screw by turning **clockwise**.
If it is difficult to remove the screw with slotted screwdriver, use cordless impact driver.

Fig. 2



ASSEMBLING

1) Turn Keyless drill chuck clockwise until it sits on the end of the threaded portion of Spindle.
2) Fix the short portion of Hex wrench 8 to Drill chuck, and clamp the long portion of Hex wrench 8 in Vise.
3) Set Speed change lever in the low speed mode and F/R change lever in the Forward (clockwise) rotation mode. Then Install Battery.
4) Hold the machine firmly and pull the switch trigger to rotate Spindle until the motor is locked.
Note: Pull the switch trigger so that Spindle reaches full speed in one second.
Important: Be sure to release the switch trigger just after Spindle is locked.
5) Secure Keyless drill chuck with M6x22 Flat head screw by turning **counterclockwise** with impact driver.
Note: If you reuse the removed M6x22 Flat head screw, apply adhesive (ThreeBond 1321B/ 1342, Loctite 242) to the threaded portion. Makita genuine M6x22 Flat head screw for securing Keyless drill chuck is threadlocker screw.

Repair

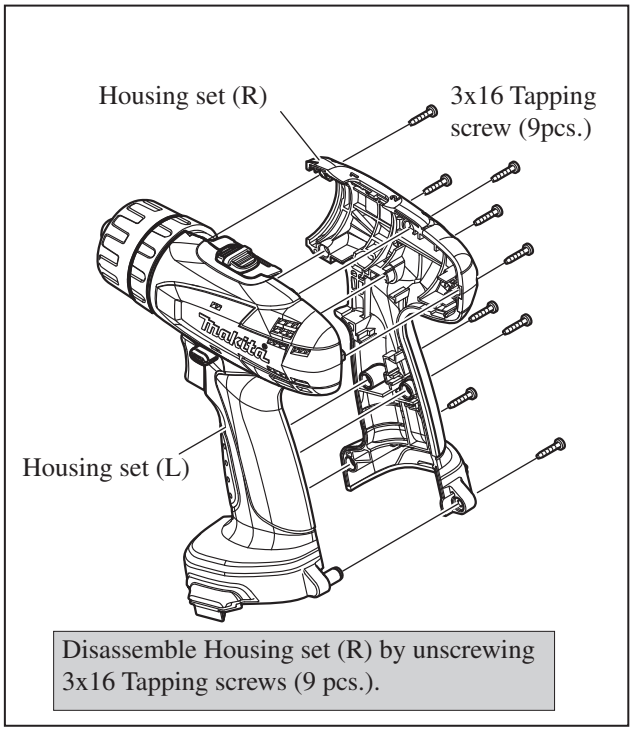
[3] DISASSEMBLY/ASSEMBLY

[3]-2. Gear Ass'y, DC Motor

DISASSEMBLING

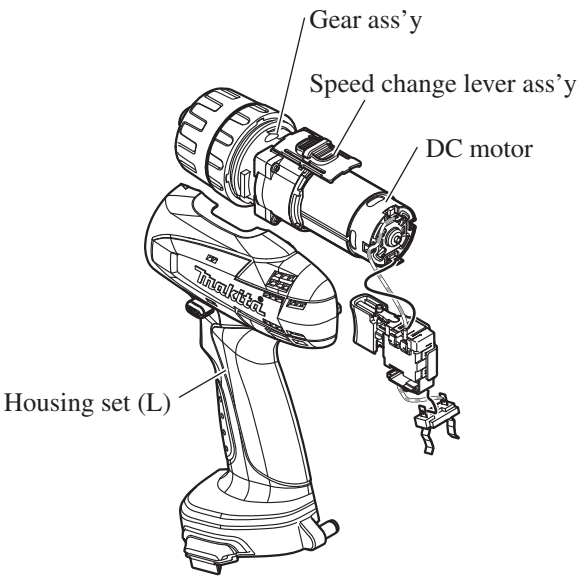
(1) Remove Keyless drill chuck.
(2) Gear ass'y and DC Motor can be disassembled in the order of **Figs. 3, 4, 5, 6 and 7.**

Fig. 3



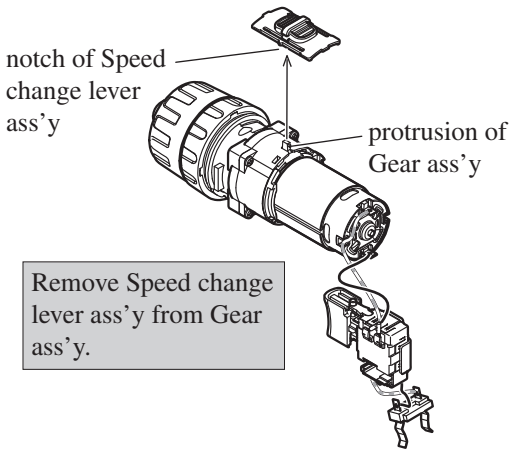
Disassemble Housing set (R) by unscrewing 3x16 Tapping screws (9 pcs.).

Fig. 4



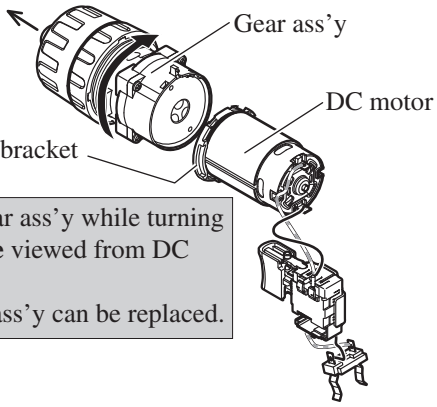
Remove Gear ass'y, Speed change lever ass'y and DC motor with Switch from Housing set (L) as illustrated above.

Fig. 5



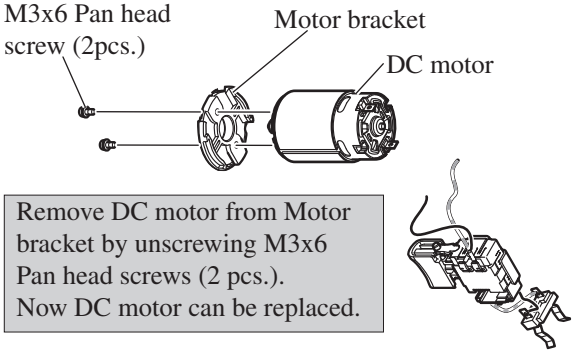
Remove Speed change lever ass'y from Gear ass'y.

Fig. 6



Pull off Gear ass'y while turning it **clockwise** viewed from DC motor side.
Now Gear ass'y can be replaced.

Fig. 7



Remove DC motor from Motor bracket by unscrewing M3x6 Pan head screws (2 pcs.).
Now DC motor can be replaced.

► Repair

[3] DISASSEMBLY/ASSEMBLY

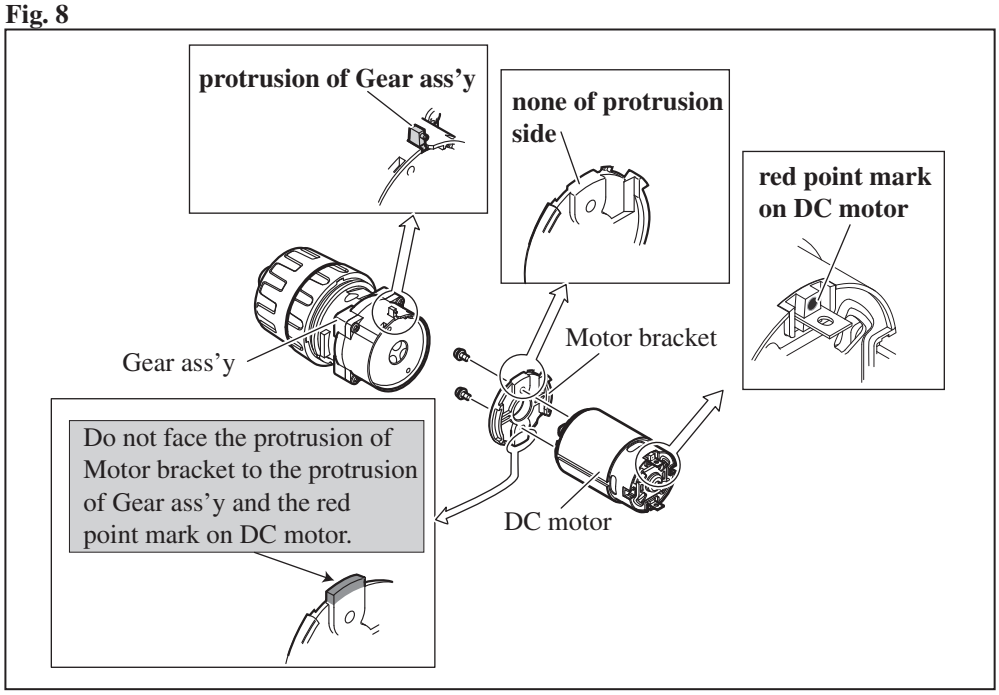
[3]-2. Gear Assembly, DC Motor

ASSEMBLING

The following portions of DC motor, Motor bracket and Gear ass'y have to face the same side. (**Fig. 8**)

* Red point mark (designated as plus terminal) on DC Motor
* None of protrusion side of Motor bracket
* Gear assembly's protrusion

Fig. 8



[3]-3. Speed Change Lever

ASSEMBLING

(1) When assembling Speed change lever ass'y, make sure two Compression springs are assembled to its bottom in advance. (**Fig. 9**)

(2) Fit the protrusion of Gear ass'y into Compression spring 4 in Speed change lever ass'y . (**Fig. 10**)

(3) After mounting, set Speed change lever ass'y to low speed mode or high speed mode. (**Fig. 11**)

Fig. 9

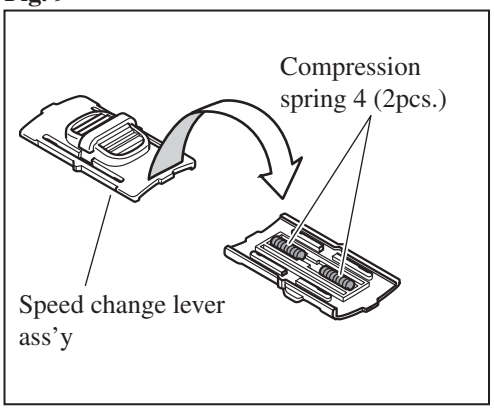


Fig. 10

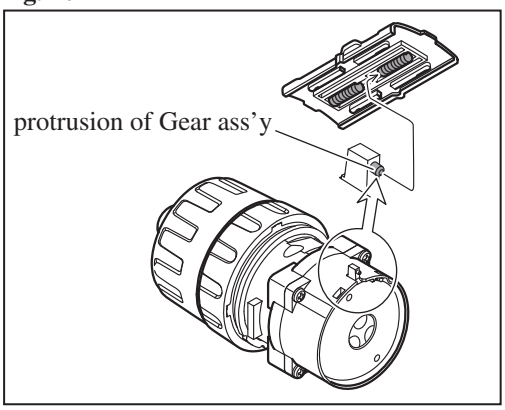
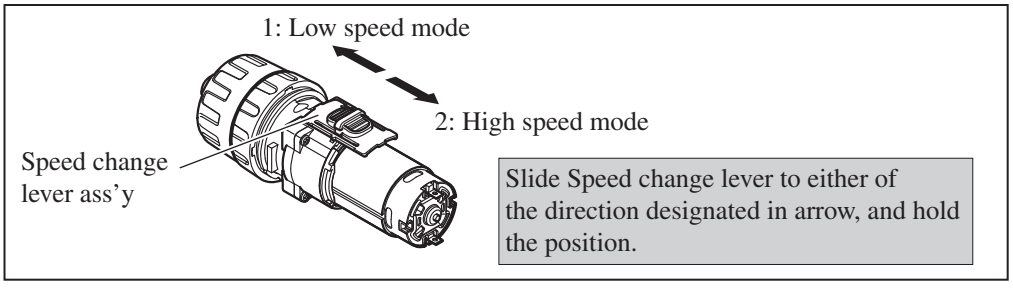


Fig. 11



Repair

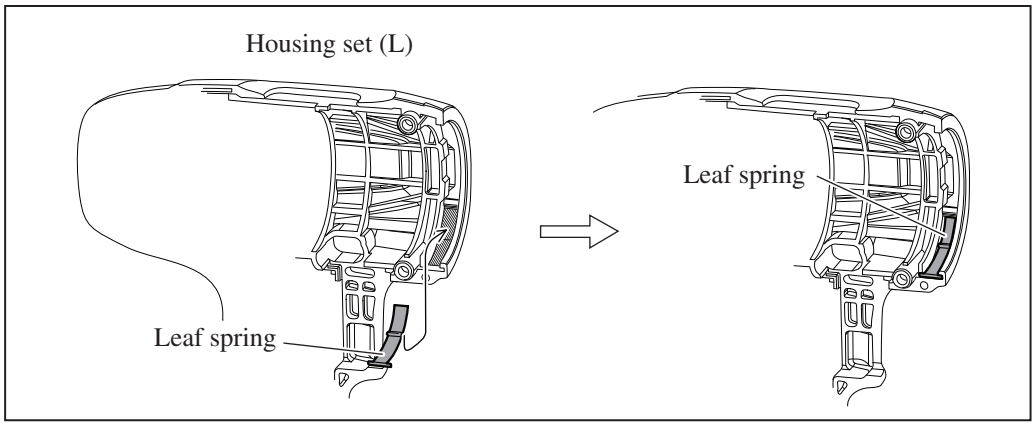
[3] DISASSEMBLY/ASSEMBLY

[3]-4. Leaf Spring

ASSEMBLING

Before assembling Gear ass'y and DC motor, Leaf spring has to be mounted to Housing set (L) as illustrated in **Fig. 12**.

Fig. 12

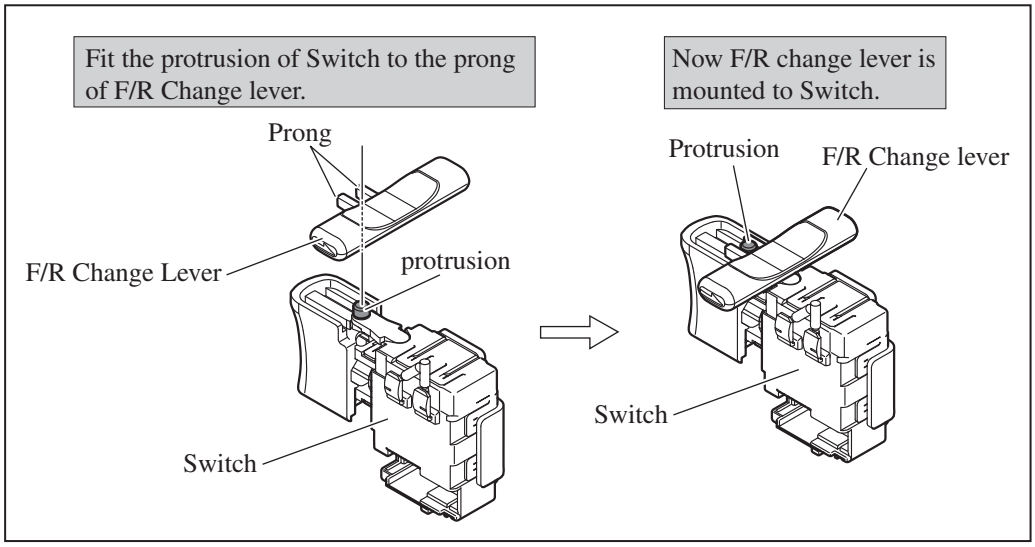


[3]-5. F/R Change Lever

ASSEMBLING

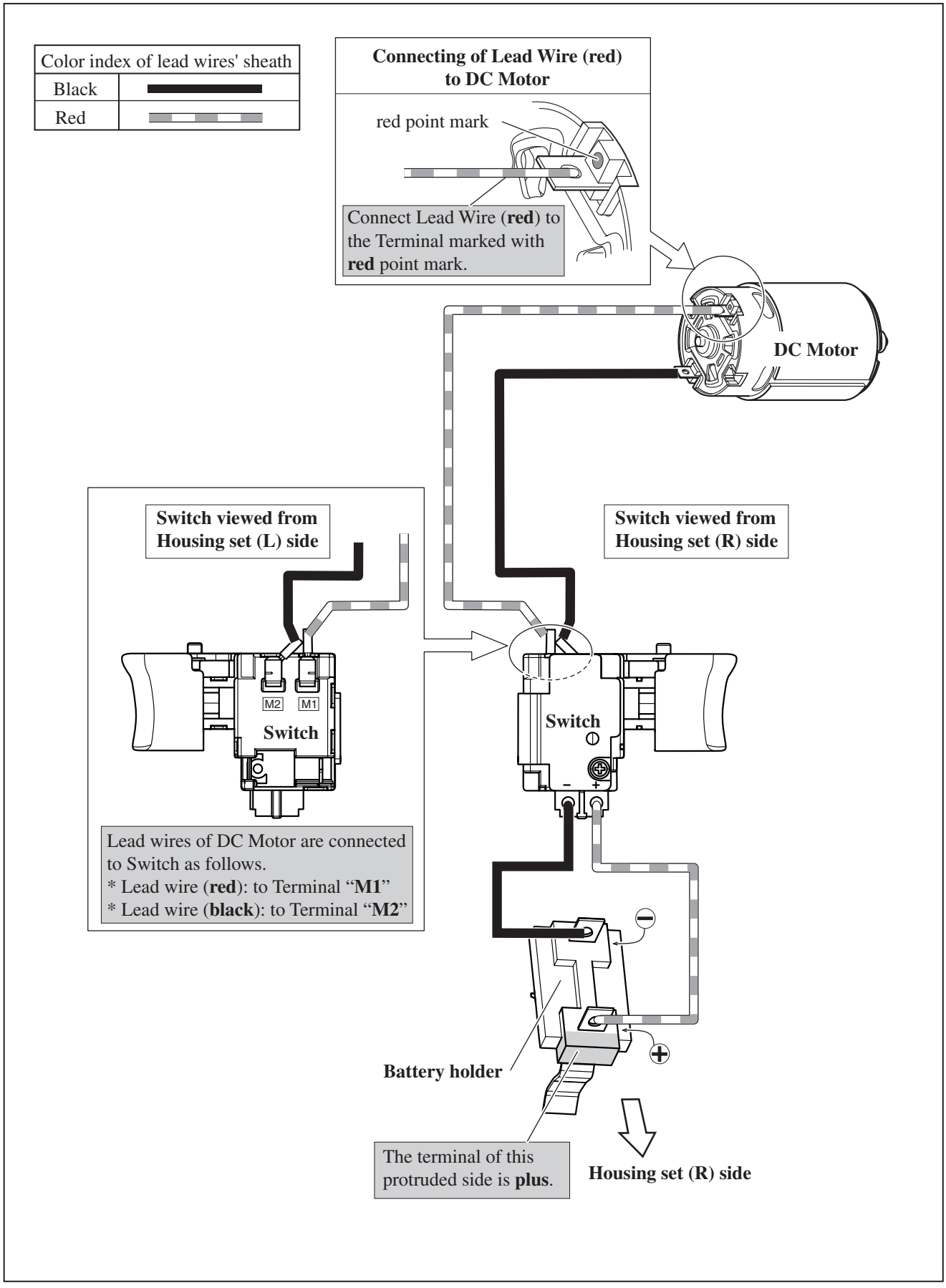
F/R Change lever can be assembled to Switch as illustrated in **Fig. 13**.

Fig. 13



► Circuit diagram

Fig. D-1



► Wiring diagram

Fig. D-2

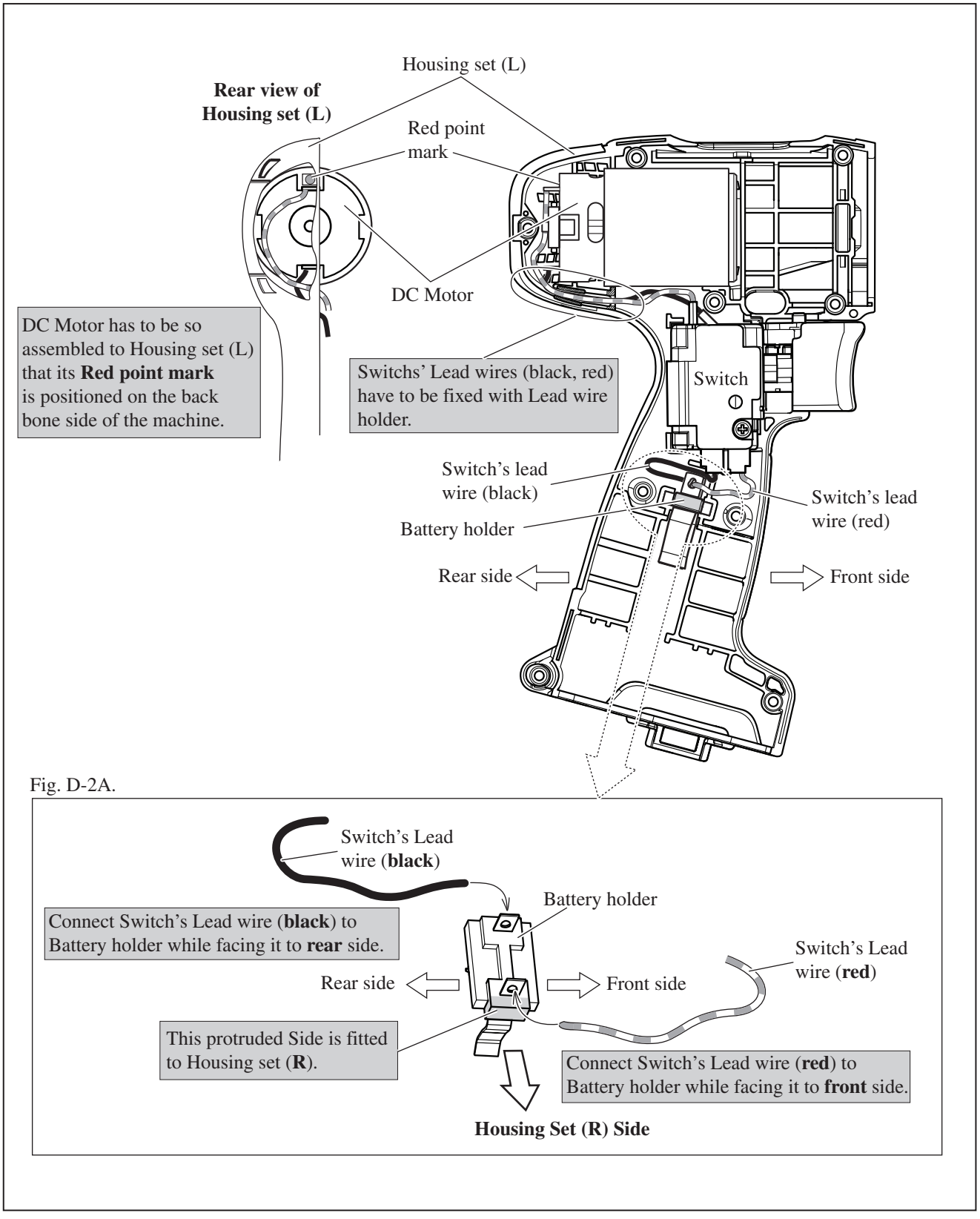


Fig. D-2A.