

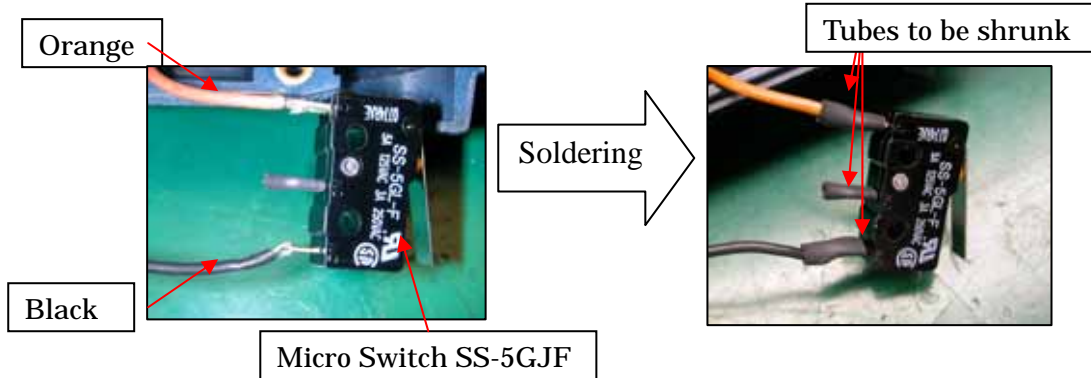
Maintenance Manual for DLV8100 series

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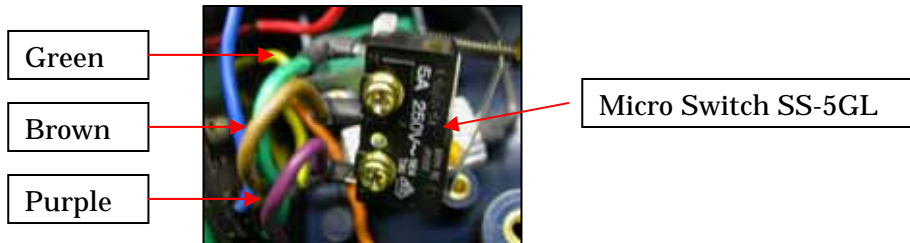
Issued : January 2005
Revised : September 2006

(1) Connecting and Wiring

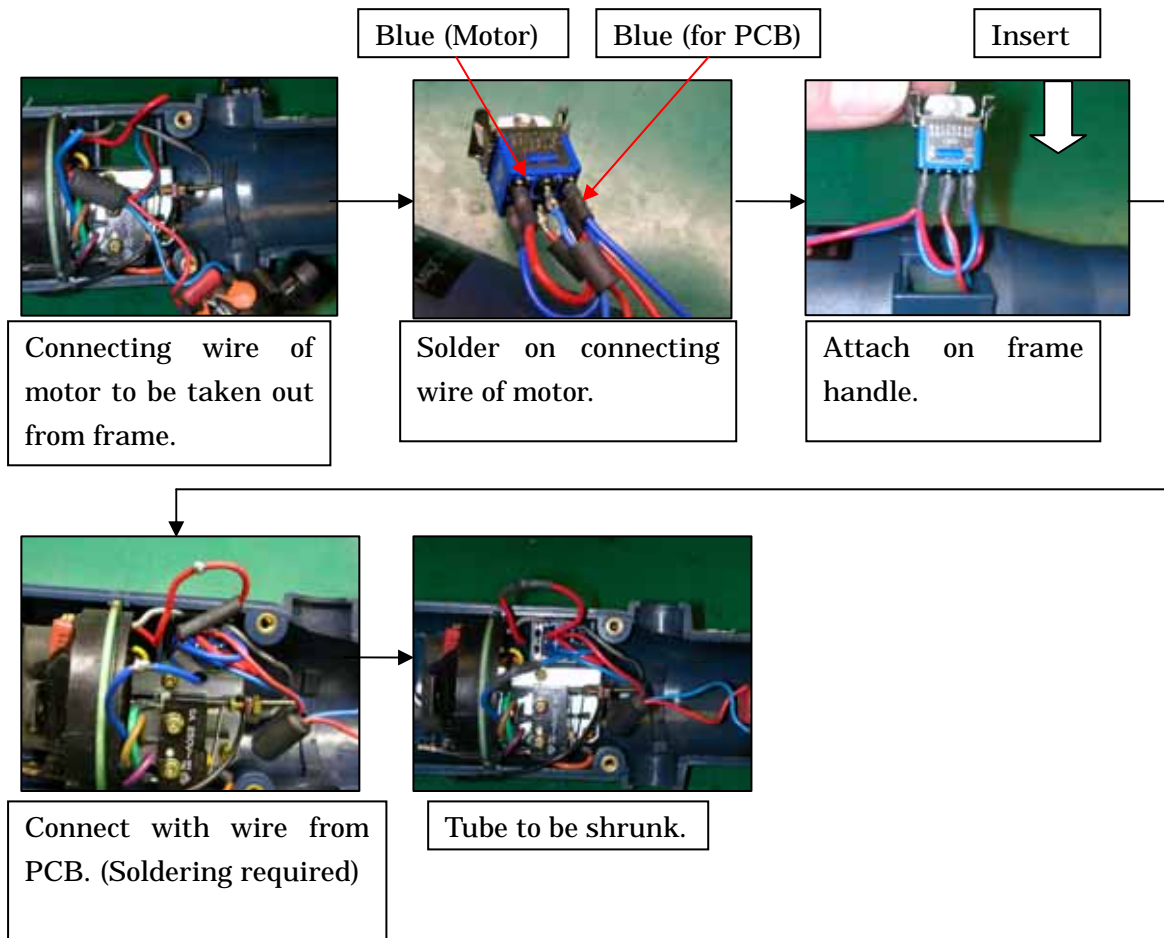
(1) - 1 Connect Start Switch



(1) - 2 Connect Brake Switch








(1) - 3 Connect Change Over Switch Blue










(2) How to replace motor

(2)-1 Disassembly






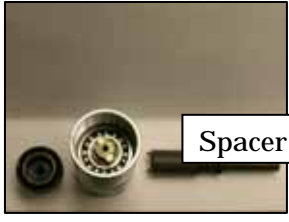


<p>1) Remove electrostatic charge on Motor by tester (Mode: DC Voltage)</p>	<p>2) Remove brush cap and take out brush.</p>	<p>3) Remove assembly spring.</p>
		
<p>4) Remove assembly spring so that noise killer might not be broken.</p>	<p>5) Remove rotor assembly by pushing rotor assembly from bearing side</p>	
		

(2)-2 Assembly

<p>1) Insert motor. Yoke having notch shall come to commutator side.</p>	<p>2) Install bearing.</p>	<p>3) Form assembly spring.</p>
		
<p>4) Install end cover.</p>	<p>5) Install assembly spring.</p>	<p>6) Install brush and tighten cap.</p>
		
<p>7) Wind insulation tape.</p>		
		


(3) How to repair mechanical parts

(3) - 1 Disassembly


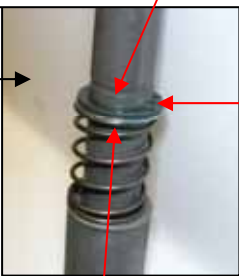

1) Remove Stop Ring on Holder Clamp.	2) Remove Holder Clamp and Spring, then fix on jig.	3)Loosen Nose Nut Assy by spanner.	4) Remove Nose Nut Assy.
		 Direction to loosen.	
5)Remove Bit Holder Assy.	6) Remove Taper Ring Assy and Cam Guide.	7) Remove Cam.	8) Remove Gears.
	 Spacer		

(3) - 2 Assembly


1) Assembly of gears

1) Put Grease on Gears inside of Gear Case.	2) Assemble Gears.	3) Insert Gear Assy into Gear Case.
		

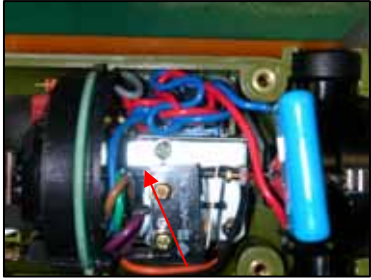

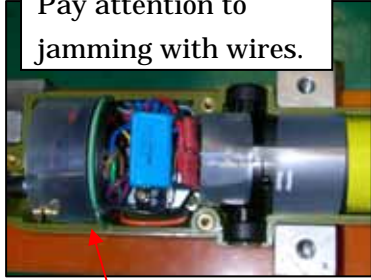
2) Assembly of bit holder

 <p>Bit Holder</p> <p>Slide Ring</p> <p>Insert Slide Ring into Bit Holder. Taper part of Slide Ring must be bit side of Bit Holder.</p>	 <p>Attach on the upper groove for DLV7100 series</p>  <p>Chamfered side to be upper side.</p> <p>Attach on the bottom groove for DLV8100 series.</p>
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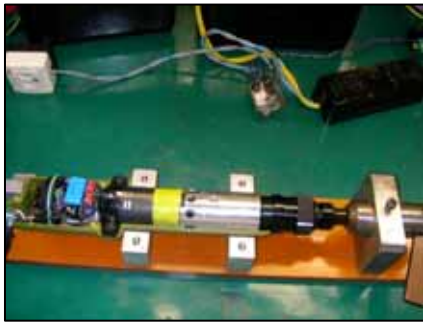
3) Assembly of mechanical parts

<p>1) Edges of Bit Holder to be inserted into Cam Guide, has 2 squared holes.</p>	<p>2) Tighten Nose Nut Assy with pushing Bit Holder.</p>	<p>3) Apply adhesive.</p>	<p>4) Tighten with Torque spanner. (290kgf)</p>
	 <p style="text-align: center;">Direction to tighten</p>		 <p style="text-align: center;">Direction to tighten</p>

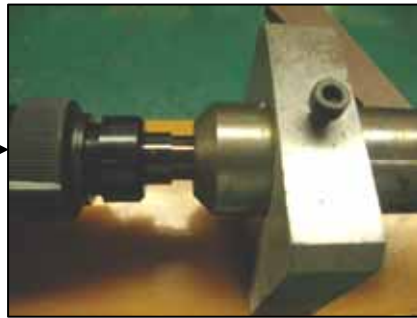
(4) Foaming wires

		<p style="text-align: center;">Pay attention to jamming with wires.</p> 
<p>Wires must not be jammed with Pilot Rod D.</p>	<p>Noise Killer must not be touched with Frame.</p>	<p>Attach Insulating Plate.</p>

(5) Adjustment of brake timing



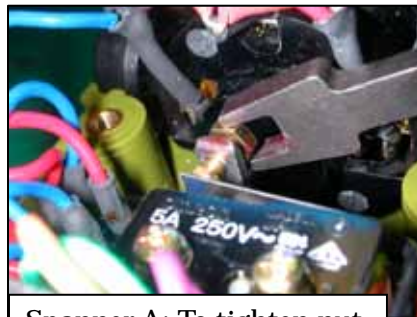
Set up Screw Driver on Cradle.



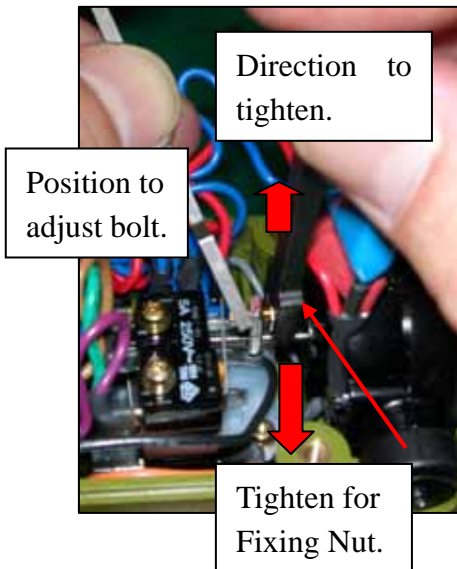
To spin by pushing



Spanner B: To adjust bolt.



Spanner A: To tighten nut.



Verifying

Adjusting



To verify Microswitch ON/OFF by using Pin Gauge.

How to Adjust.

- 1) Hold bolt and loosen Fixing Nut.
- 2) Adjust the bolt.
- 3) Tighten Fixing Nut.

	Not ON	ON
DLV8100	1.0	1.2
DLV7100	0.8	0.9