

SAFETY AIR BRAKE manual - HABB type

Instruction Manual

<Problems and Solutions>

Problem	Cause	Solution
Squeaky sounds are heard when putting on brake.	It is caused by lining wear (more than 7mm) and loss of braking power, which can be generated by both sides of	1. Adjust to maintain proper gap. 2. Re-adjust Autogap or Power-lock device.
Smell of burning or spark generated when the motor rotates.	It is caused by defective Auto-gap & Power-lock and its interference with Rotation Disc Lining.	Re-adjust Auto-gap & Power-lock combined with the disc (Refer to the manual for adjusting Auto-gap or Power-lock).
In case of oil leakage from mounting hole	It is caused by abrasion of bearing cover oil seal at gear box or a groove at the shaft.	It must be reassembled with replaced oil seal and shaft.
In case the motor does not rotate	1. Defect in Proximity Sensor 2. Pressure Switch has been set up incorrectly. 3. Solenoid valve has been damaged.	1. Relocate Proximity Sensor or replace it. 2. Check the value of Pressure Switch (Must be 4.6kgf/cm ²) 3. Replace solenoid valve coil or check power supply.

Items to check in advance

Check Items	Condition	Solution
1. Disc lining gap		
2. Air pressure setting at air unit (input)		
3. Operation of Proximity Sensor (output)		
4. Operation of solenoid valve		
5. Operation of Auto-gap (Power-lock) device		
6. Hub gear and looseness of each bolt		
7. Operation of Counter-rotation (limited to certain products)		
8. Lining, dust and cleaning condition		