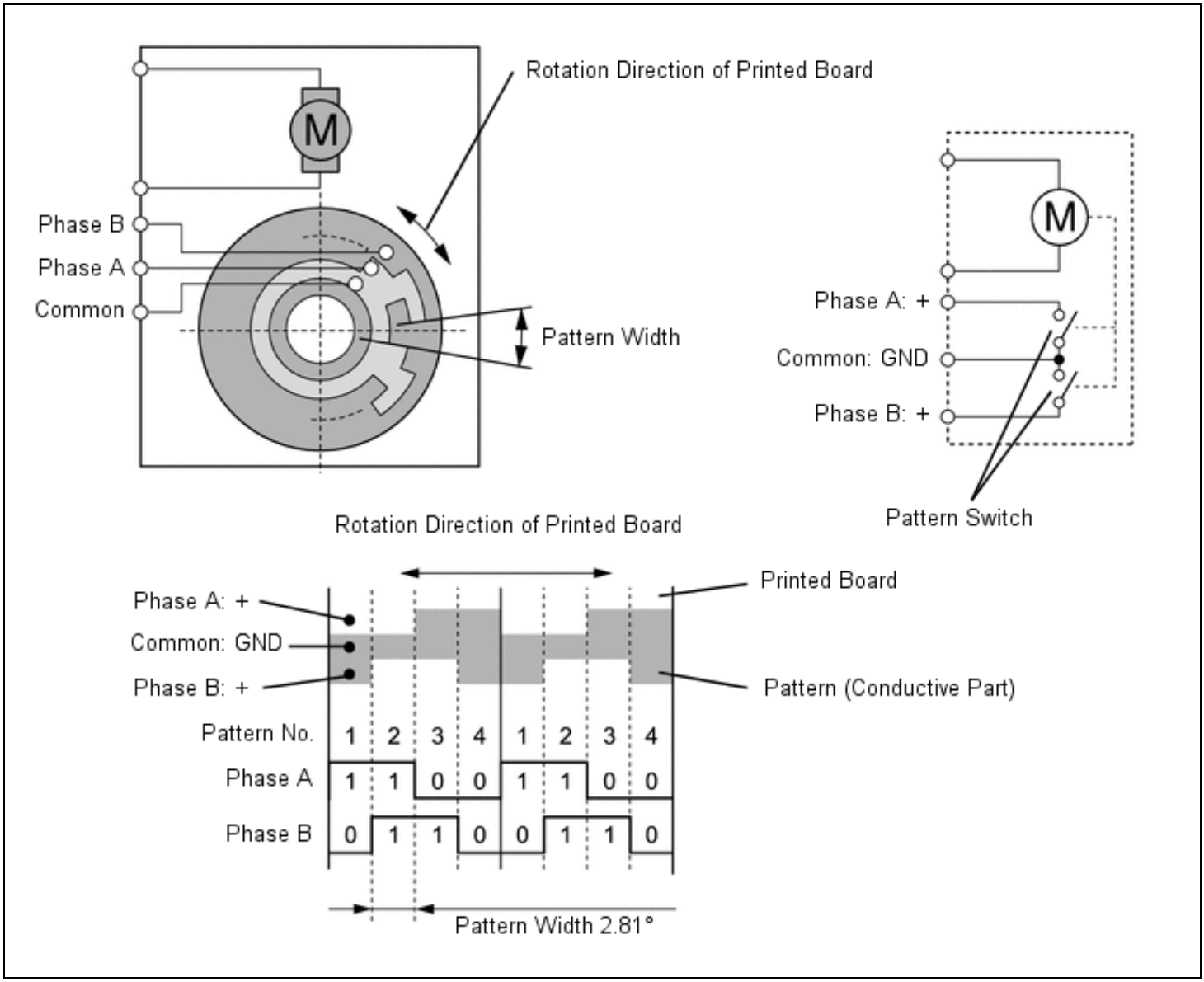
| | | |
|---|---|---|
| **Last Modified:** 03-12-2013 | 6.4 F | **Doc ID:** NM1000000005IIB |
| **Model Year:** 2013 | **Model:** RAV4 | **Prod Date Range:** [12/2012 - ] |
| **Title:** HEATING / AIR CONDITIONING: AIR CONDITIONING SYSTEM: SERVO MOTOR; 2013 MY RAV4 [12/2012 - ] | | |

# SERVO MOTOR

## 1. CONSTRUCTION

(a) On models with automatic air conditioning system, a pulse pattern type servomoter is used.

(b) In contrast to the previous type that detects the position by way of a potentiometer voltage, the pulse pattern type servomotor detects the relative position by way of 2-bit on/off signals.

(c) The forward and reverse revolutions of this motor are detected by way of 2 phases, A and B, which output 4 types of patterns. The air conditioning amplifier assembly counts the number of pulse patterns in order to determine the stopped position.