

ASMT SERIES AC SERVO MOTOR

Safety Precautions

Thank you very much for purchasing Delta AC servo motor. Installation and operation of this servo motor must be in accordance with the Delta servo manual. Failure to read, fully understand and implement these safety instructions and precautions may result in damage to the servo motor it's drive, the machine to which it is installed, or operator injury.

■ Unpacking

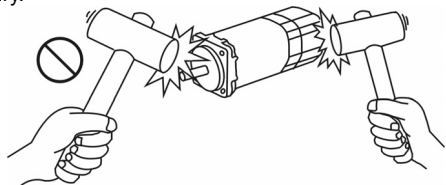
Upon receipt of the motor, please perform the following:

- 1) Examine the appearance of the motor for any unusual marks.
- 2) Inspect the motor for any shipment damage.
- 3) Inspect the motor and encoder leads have not been damaged.
- 4) Verify the part number indicated on the nameplate corresponds with the part number ordered.

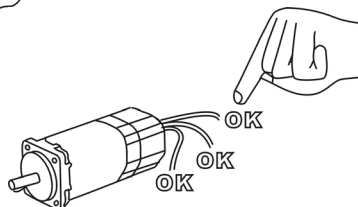
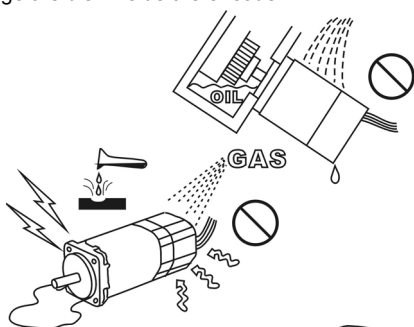
If any items are damaged or incorrect, please contact your distributor or the local Delta sales representative.

■ Transportation, Installation and Storage

- 1) Do not carry or hold the servo motor by it's wire harness or shaft. Incorrect handling may cause damage to the motor / brake / encoder or personal injury.



- 2) Do not hit the motor or shaft. Such shock can damage the disk inside the encoder.
- 3) Do not apply axial or radial loads to the motor shaft that are in excess of the specified value.
- 4) The motor is not waterproof or oil-proof. Do not install the motor where harmful gases or liquid are present, or in an environment containing excessive moisture or water vapor.
- 5) Do not store the motor where it will come into contact with water, dust, corrosive gases and liquids.
- 6) Do not store the servo motor where it will be subjected to vibration in excess of the specified limits. Over time vibration may damage the servo motor shaft and bearings.
- 7) Ensure that the storage of the motor meets the environmental specification as stated on the motor data sheet.
- 8) Protect the motor and encoder from high electrical noise.



■ Wiring

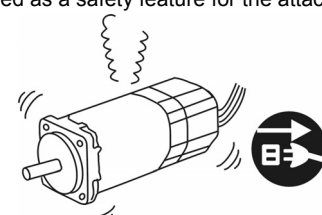
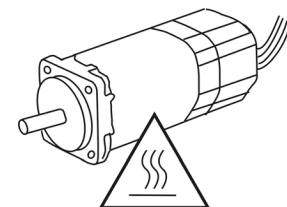
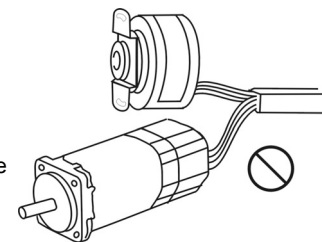
- 1) Higher than maximum specified current may cause motor demagnetization.
- 2) Before operation ensure that the motor, brake and encoder are connected correctly. Incorrect wiring will cause permanent damage to one of more of the components.



- 3) To eliminate electrical noise on the encoder ensure adequate separation of the motor power wires and the encoder wires.
- 4) Ensure that the motor ground wire is connected to the ground terminal on the servo drive.
- 5) Do not perform either a hi-pot or megger-ohm test on any encoder terminal.
- 6) Disconnect the motor from the controller before performing the hi-pot or megger-ohm test on the motor.

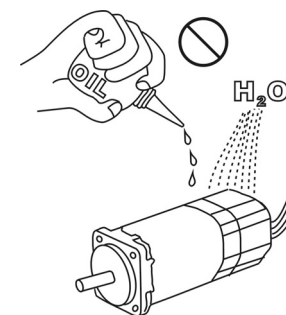
■ Operation

- 1) The AC servo motor is designed to operate through a dedicated Delta servo driver. Do not connect it directly to a commercial power source (100/200V AC or DC, 50/60Hz). The servo motor will not operate correctly and may be permanently damaged.
- 2) The motor must be operated within its specified range. Attention should given to ensure adequate cooling and ventilation of the motor during operation.
- 3) The built-in brake is designed to hold the motor shaft when stationary. It must not be used to dynamically brake or slow down the motor during rotation. The motor brake is not designed as a safety feature for the attached mechanism or machine. A separate safety device must be installed on the machine to ensure adequate safety measures are undertaken.
- 4) Should any abnormal odor, noise, smoke, temperature rise or vibration be detected, stop the motor immediately, remove power from the servo drive and isolate the motor.



■ Cautions

- 1) There are no field serviceable parts on the motor / brake / encoder.
- 2) Do not disassemble the motor.
- 3) Any disassembly will void the factory warranty.
- 4) Disassembly will cause permanent damage to the motor / brake and encoder.
- 5) Protect the motor from any splashing or airborne liquids.



WARNING: Failure to read, fully understand and implement these safety instructions and precautions may result in damage to the servo motor it's drive, the machine to which it is installed, or operator injury.



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