GE IS200TSVCH2AJE

Servo Control Terminal Board

PSVO Pairing and Servo-Loop Boundary Review

Resolve the driver generation and separate excitation, position feedback and coil circuits before transferring any field connection.

Before You Order

Three-part identity	Obtain the TSVCH2AJE, PSVO and WSVO markings rather than ordering from the terminal-board outline.
Driver generation	Reconcile the H1A/IS210WSVOH1A or cited H1B/IS410WSVOH1A combination.
Field-device record	Collect the actuator-coil and LVDT wiring diagrams and the accepted loop configuration.

The installed relationship

Excitation and feedback	AC LVDT source -> transducer windings -> position input
Control output	PSVO + matched WSVO -> servo coil -> actuator motion
Independent sensor circuit	DC speed-sensor power and speed input retain separate terminal duties

Electrical values are ratings of the documented PSVO + TSVCH2A + matched WSVO combination, not standalone output or power ratings of the passive terminal board. The JE revision must match the installed hardware record.

Mark VIe PSVO servo interface — fault decisions

Feedback remains wrong with excitation present	Investigate LVDT winding assignment and loop configuration before changing the excitation source.
Driver identity differs from the pack record	Stop the interchange review and resolve the complete supported hardware combination.
Sensor power and servo output are confused	Trace terminals by circuit duty; both are DC circuits but have different functions and limits.

Carry the decision into the installation

1 Identify all three assemblies	Record the PSVO, TSVCH2AJE and full WSVO markings before disconnecting the loop.
2 Separate field circuits	Label LVDT windings, servo coil and speed-sensor connections according to their different electrical duties.
3 Verify driver generation	Resolve the IS210 versus IS410 WSVO pairing from the actual PSVO hardware combination.
4 Measure sensor excitation	Use the connected LVDT circuit and an appropriate AC/frequency method; keep the DC sensor-power test separate.
5 Permit controlled movement	After the approved static checks, compare commanded motion, travel direction and returned position.
6 Release the accepted loop	Retain the final pack/driver pairing, feedback sense and actuator response with the plant acceptance result.

As-left proof

Hardware pairing
Pack and driver markings correspond to the documented combination.

Feedback proof
Position direction and transducer response match the approved loop configuration.

Actuator proof
Controlled motion follows the commanded direction without an unexplained discrepancy.

Electrical Decisions at the Assembly Boundary

AC measurement	Use an appropriate AC/frequency method for the LVDT excitation; a DC reading cannot characterize it.
Servo loading	Compare coil demand with the matched assembly output capability before test motion.
Supply segregation	Do not use the speed-sensor output as a substitute excitation or actuator-power source.

Decisions from the observed installation

A familiar terminal board arrives with another driver
Treat it as a combination change requiring review, not an automatic spare.

Position moves opposite to the command
Check feedback and coil relationships against the retained drawing before changing control settings.

The evidence to retain for IS200TSVCH2AJE

Loop drawing	Pack, driver, terminals, winding identities and coil route.
Commissioning trace	Supply/excitation readings, direction check, observed motion and accepted configuration.

Technical basis

GE Mark VIe and Mark VIeS Controls Equipment HazLoc Instruction Guide GEH-6725R

Related product references

Separate supply references; listing does not establish interchangeability.

GE IS200ECTBG2ADE	Exciter Contact Terminal Board; separate supply reference
GE IS200EDCFG1AED	Exciter DC Feedback Board; separate supply reference

Discuss IS200TSVCH2AJE and the installed application with Apter Power.
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