

... Many of the codes below apply to forklifts and pump controls (even old SCR controls). I inserted some new info that applies to the TEVan in lower case. Typically 1REC means the main IGBT's.

- * -01 NO SEAT SWITCH INPUT
- * -02 FWD DIR SWITCH CLOSED ON START UP
- * -03 low switch not selected (RVS DIR SWITCH CLOSED ON START UP)
- * -04 START SWITCH LOW AFTER START
- * -05 START OR BRAKE SWITCH DID NOT CLOSE
- * -06 No gear selected or clutch switch problem (ACCL DEPRESSED WITH NO DIR SELECTED)
- * -07 ACCL INPUT VOLTAGE TO HIGH
- * -08 ACCL INPUT VOLTAGE TO LOW ON POWER UP AFTER INITIAL KEY SWITCH CLOSURE
- * -09 BOTH FWD AND RVS SWITCHES CLOSED AT THE SAME TIME
- * -10 NA
- * -11 High and low switch selected at same time (START SW CLOSED ON START UP (USUALLY WIRED IN SERIES WITH BRAKE/SEAT))
- * -12 NA
- * -13 NA
- * -14 NA
- * -15 BATTERY VOLTS TOO LOW
- * -16 BATTERY VOLTS TOO HIGH
- * -17 WRONG CARD TYPE SELECTION
- *
- *** CONTACTOR PANEL
- *
- * -23 problem with motor sepex field (FWD OR RVS CONTACTOR COIL CURRENT LOW)
- * -24 VOLTAGE AT T2 TOO HIGH
- * -25 1A CONTACTOR DOES NOT DROP OUT OR DROPS OUT TOO SLOWLY
- * -26 SHORTED COIL DRIVER FOR RB, SP OR FW CONTACTOR
- 27 12 Vdc control card voltage too low
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- *** POWER BASE
- *
- 40 Motor over temperature
- * -41 OPEN THERMAL PROTECTOR OR CONTROL OVER TEMPERATURE
- * -42 MOTOR SENSOR INPUT MISSING (YELLOW WIRE) or high Voltage on sensor
- * -43 MOTOR SENSOR INPUT MISSING (GREEN WIRE) or low voltage on sensor
- * -44 TRANSISTOR (1REC) DID NOT TURN OFF CORRECTLY - shorted IGBT
- * -45 sepex field FET not turning on (TRANSISTOR (1REC) DID NOT TURN ON CORRECTLY)
- * -46 T2 VOLTS TOO HIGH - shorted IGBT
- * -47 motor thermal protector open -(2REC DID NOT TURN ON CORRECTLY)
- * -48 T2 VOLTS TOO LOW
- * -49 sepex field current problem or field FET problem(5REC DID NOT TURN ON CORRECTLY)
- * -50 CAPACITOR VOLTS LOW
- * -51 CAP VOLTS HIGH WITH HIGH MOTOR CURRENT
- * -52 CAP VOLTS HIGH WITH LOW MOTOR CURRENT
- * -53 TRANSISTOR (1REC) DOES NOT TURN OFF DURING PLUGGING
- * -54 SHORTED FWD, RVS OR 1A DRIVER or bypass contactor held closed
- * -57 CURRENT SENSOR INPUT VOLTAGE POLARITY CHECK (YEL & GRN SWITCHED)
- *
- *** REGEN BRAKING
- *
- * -70 REGEN CURRENT SENSOR INPUT MISSING (YELLOW WIRE)
- * -71 REGEN CURRENT SENSOR INPUT MISSING (GREEN WIRE)
- * -72 REGEN CONTACTOR DOES NOT ENERGIZE
- * -73 REGEN CONTACTOR DOES NOT DROP OUT OR DROPS OUT SLOWLY

* -74 REGEN CONTACTOR ENERGIZES TOO SLOWLY
* -75 TRANSISTOR (1REC) DOES NOT TURN OFF DURING REGEN
* -76 CAPACITOR VOLTAGE TOO HIGH DURING REGEN

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* -90 to -95 DEFINED BY THE VEHICLE MANUFACTURER

-93 communication problem with vehicle computer

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*-117 to -157 CODES FOR THE PUMP CONTROL. ADD 100 TO THE CODES ALREADY
DEFINED

* ABOVE AND APPLY TO THE PUMP CONTROL.

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