13. Before contacting your Toshiba distributor

- Trip information and remedies

13.1 Trip /Alarm causes and remedies

When a problem arises, diagnose it in accordance with the following table.

If it is found that replacement of parts is required or the problem cannot be solved by any remedy described in the table, contact your Toshiba distributor.

i		_												-
	ш	п	1	n	ı	n	١t	1	r	m	าล	t	n	ı

Error code	Failure code	Name	Description	Remedies
001	0001	Overcurrent during acceleration	The acceleration time R [[is too short.	Increase the acceleration time R [[.
			The V/F setting is improper.	Check the V/F parameter setting.
			A restart signal is input to the rotating motor after a momentary stop, etc.	Use F 30 1 (auto-restart) and F 302 (ride-through control).
			A special motor (e.g. motor with a small impedance) is used.	 In case of P Ł = 0, 1, 7, decrease u b. In case of P Ł = 2 to 6, set F Y 15 (Motor rated current) and make an autotuning.
			Low inductance motor especially High speed motor is used.	Choose the higher power range drive. (1 class up drive is recommended.)
			The connecting cable length with a motor is long.	AC reactors etc. are required for the output side. (Refer to section 1.4.3-(4).)
002	0002	Overcurrent during	 The deceleration time d € € is too short. 	 Increase the deceleration time d ∈ €.
		deceleration	 Low inductance motor especially High 	 Choose the higher power range drive.
			speed motor is used.	(1 class up drive is recommended.)
			The connecting cable length with a motor is long.	AC reactors etc. are required for the output side. (Refer to section 1.4.3-(4).)
003	0003	Overcurrent during	The load fluctuates abruptly.	Reduce the load fluctuation.
0.2		constant speed	The load is in an abnormal condition.	 Check the load (operated machine).
		operation	Low inductance motor especially High speed motor is used.	Choose the higher power range drive. (1 class up drive is recommended.)
			The connecting cable length with a motor is long.	AC reactors etc. are required for the output side. (Refer to section 1.4.3-(4).)
OEL	0004	Overcurrent (An overcurrent on the	The insulation of the output main circuit or motor is defective.	Check the secondary wiring and insulation state.
		load side at start-up)	The motor has too small impedance.	• Set F 5 13=2, 3
OER	0005	Overcurrent at start- up	A main circuit element is defective.	Contact your Toshiba distributor.
*	8000	Input phase failure	. A phase failure occured in the input line of	. Check the main circuit input line for phase
FPH I			the main circuit.	failure.
			 The capacitor in the main circuit lacks capacitance. 	 Check the capacitor in the main circuit for exhaustion.
*	0009	Output phase failure	A phase failure occurred in the output line	Check the main circuit output line, motor,
EPHO		1	of the main circuit.	etc. for phase failure.
			The motor has too big impedance.	 Select output phase failure detection parameter F & D 5.

^{*} This marking trips can be selected valid or invalid by parameters.

Error code	Failure code	Name	Description	Remedies
OP I	000A	Overvoltage during acceleration	The input voltage fluctuates abnormally. The power supply has a capacity of 500k/A or more. A power factor improvement capacitor is opened or closed. System using a thyristor is connected to the same power distribution line.	Insert a suitable input reactor.
			A restart signal is input to the rotating motor after a momentary stop, etc.	Use F 30 1 (auto-restart) and F 302 (ride-through control).
0 P Z	000B	Overvoltage during deceleration	The deceleration time d E [is too short. (Regenerative energy is too large.)	Increase the deceleration time d E C.
			 Overvoltage limit operation F 3 0 5 is set to 1. (Disabled). 	• Set overvoltage limit operation F 3 0 5 to 0 , 2 , 3 .
			The input voltage fluctuates abnormally. The power supply has a capacity of 500kVA or more. A power factor improvement capacitor is opened and closed. System using a thyristor is connected to the same power distribution line.	Insert a suitable input reactor.
0P3	000C	Overvoltage during constant-speed operation	The input voltage fluctuates abnormally. The power supply has a capacity of 500k/A or more. A power factor improvement capacitor is opened or closed. A system using a thyrister is connected to the same power distribution line.	Insert a suitable input reactor.
			The motor is in a regenerative state because the load causes the motor to run at a frequency higher than the inverter output frequency.	Install an optional dynamic braking resistor. (optional)
OL I	000D	Inverter overload	• The acceleration time R.L.L. is too short.	• Increase the acceleration time R [[.
			The DC braking amount is too large.	Reduce the DC braking amount F ≥ 5 ! and the DC braking time F ≥ 5 ≥ .
			The V/F setting is improper.	Check the V/F parameter setting.
			A restart signal is input to the rotating motor after a momentary stop, etc.	Use F 3 0 1 (auto-restart) and F 3 0 2 (ride-through control).
			The load is too large.	 Use an inverter with a larger rating. Reduce F 300 (PWM carrier frequency) to 4kHz or less.
0 L Z	000E	Motor overload	The V/F setting is improper.	Check the V/F parameter setting.
			The motor is locked up.	Check the load (operated machine).
			Low-speed operation is performed continuously. An excessive load is applied to the motor during operation.	 Adjust \$\mathcal{GL} \Pi\$ n to the overload that the motor can withstand during operation in a low speed range.
OL 3	003E	Main module overload	The carrier frequency is high and load current has increased at low speeds (mainly at 15Hz or less).	Raise the operation frequency. Reduce F 30 0 (PWM carrier frequency When an operating motor is started up at OHz, use the auto-restart function. Set carrier frequency control mode selection F 3 15 to 1,3 or 5 (carrier frequency with automatic reduction).
OLr	000F	Dynamic braking resistor overload trip	The deceleration time is too short. Dynamic braking is too large.	Increase the deceleration time $d \in \mathcal{E}$. Increase the capacity of dynamic braking resistor (wattage) and adjust PBR capacity parameter $F \ni 0.9$.

^{*} This marking trips can be selected valid or invalid by parameters.

[Trip information]

Error code	Failure code	Name	Description	Remedies
т П Е	0020	Over-torque trip 1	Over-torque reaches to a detection level during operation.	Enable F 5 15 (over-torque trip selection). Check system error.
0.5.5	0041	Over-torque trip 2	Output current reached F & B ! or more and maintain in F 452 during power running. Power running torque reached F 44! or more and maintain in F 452 during power running.	Reduce the load. Increase the stall prevention level or power running torque limit level.
* 0	0048	Over-torque / Overcurrent fault	Power running torque or output current reached F 5 9 3 or more and maintain in F 5 9 5 during power running.	Enable F 5 9 1. Reduce the load. Check system error.
* UE[3	0049	Small-torque / Small -current fault	 Power running torque or output current decreased F 5 9 3 or less and maintain in F 5 9 5 during power running. 	Enable F 5 9 1. Check system error.
OH	0010	Overheat	The cooling fan reaches the end of life or has a fault.	The fan requires replacement if it does not rotate during operation. Contact your Toshiba distributor.
			The ambient temperature is too high or low against the specified ambient temperature.	Operate at a specified ambient temperature
			The vent is blocked up.	Secure sufficient space around the inverter.
			A heat generating device is installed close to the inverter.	Do not place any heat generating device near the inverter.
			The load is large.	 Reduce the load. Reduce F 3 0 : PWM carrier frequency. Set F 13 = 1 (Carrier frequency with automatic reduction)
			The temperature sensor has a fault. (When the trip arises, as soon as it is reset after a while.)	Contact your Toshiba distributor.
045	002E	Thermal fault stop command from external device	A thermal trip command (input terminal function: 4 & or 4 ?) is issued by an external control device.	The motor is overheated, so check whether the current flowing into the motor exceeds the rated current.
Ε	0011	Emergency stop	During automatic operation or remote operation, an emergency stop command is entered from the operation panel or an external (terminal or communication).	Reset the inverter. If the emergency stop signal is input, reset after releasing this signal.
EEPI	0012	EEPROM fault 1	The EEPROM writing error occurs.	Turn off the inverter, then, turn it again. If it does not recover from the error, contact your Toshiba distributor.
EEP2	0013	EEPROM fault 2	 と 当 P operation is aborted by the power- off etc. 	 Turn off the inverter, then, turn it again, and then try \(\mathcal{E} \mathcal{P} \) operation again.
			The EEPROM reading error occurs.	Turn off the inverter, then, turn it again. If it does not recover from the error, contact your Toshiba distributor.
EEP3	0014	EEPROM fault 3	The EEPROM is defective.	Contact your Toshiba distributor.
ErrZ	0015	Main unit RAM fault	The control RAM is defective.	Contact your Toshiba distributor.
Err3	0016	Main unit ROM fault	The control ROM is defective.	Contact your Toshiba distributor.
Erry	0017	CPU fault 1	The control CPU is defective.	Contact your Toshiba distributor.
Err5	0018	Communication error	The communication with external devices is broken off.	Check the remote control device, cables, etc.
Errl	001A	Current detector fault	The current detector is defective.	Contact your Toshiba distributor.
Err8	001B	Optional unit fault 1	An optional unit has failed. (such as a communication option)	Check the connection of optional unit.
Err9	001C	Remote keypad disconnection fault	 After run signal is activated by RUN key of the remote keypad, disconnection is occurred in 10 seconds or more. 	In case the remote keypad is disconnected, press STOP key before. This fault is disabled by F 7 3 != ! setting.

^{*} This marking trips can be selected valid or invalid by parameters.

[Trip informat Error code	Failure code	Name	Description	Remedies
* U[001D	Low-current operation fault	The output current decreased to a low- current detection level during operation.	Enable F 5 ! 13 (low-current detection). Check the suitable detection level for the system (F 5 0 3 , F 5 ! 1 , F 5 ! 2). Contact your Toshiba distributor if the setting is correct.
UP I	001E	Undervoltage fault (main circuit)	The input voltage (in the main circuit) is too low.	Check the input voltage. Enable F 6 2 7 (undervoltage trip selection). To take measures to momentary power failure, set F 6 2 7 = 9. Regenerative power ride-through control F 3 0 2 and Auto-restart control selection F 3 0 1.
Etn? Etn? Etn?	0028 0054 0055 0056	Auto-tuning error	The motor parameter UL, ULU, F405, F415, F417 are not set correctly.	Set the left column parameters correctly as a motor name plate and make an auto-tuning again. Set parameter F 4 15 to smaller 70% of the present value, and execute the auto-tuning again.
			The motor with the capacity of 2 classes or less than the inverter is used. The output cable is too thin. The inverter is used for loads other than those of three-phase induction motors.	Set the left column parameters correctly as a motor name plate and make an autotuning again. Then set F 4000=1, when trip occurs.
			The motor is not connected.	Connect the motor. Check whether the secondary magnetic contactor.
			The motor is rotating.	Make an auto-tuning again after the rotation of the motor stops.
			 Parameter P \(\mathcal{E} = \mathcal{B} \) is set and High speed motor is connected. 	Choose the higher power range drive. (1 class up drive is recommended.)
EF2	0022	Ground fault	A ground fault occurs in the output cable or the motor. A ground fault occurs in dynamic braking resistor.	Check the cable and the motor for ground faults.
			When inverters are fed by AC power supply and connected with common DC bus link, unnecessary trip occurs.	Set the parameter F & 14 to "Disabled".
* 50UE	002F	Step-out (for PM motor drive only)	The motor shaft is locked. One output phase is open. An impact load is applied.	Unlock the motor shaft. Check the interconnect cables between the inverter and the motor. Prolong the acceleration / deceleration time.
			Using the DC braking function.	Turn off the Step-out function when using the DC braking function or change the DC braking to Servo lock function.
PrF	003B	Safe torque off error	Error of safe torque off circuit	Contact your Toshiba distributor.
EESP	0029	Inverter type error	It may be a breakdown failure.	Contact your Toshiba distributor.
E - 13	002D	Over speed fault	The input voltage fluctuates abnormally. Over speed fault due to the overvoltage limit operation.	Check the input voltage. Install an optional dynamic braking resistor. (optional)
* E - 18	0032	Analog input break detection fault	The input signal from VIC is equal to or less than the F 6 3 3 setting.	Check the VIC signal cable for breaks. Also, check the input signal value or setting of F § 3 3.
E - 19	0033	CPU communications	A communications error occurs between	Contact your Toshiba distributor.

F - 19 0033 CPU communications • A continuum control CPUs.

* This marking trips can be selected valid or invalid by parameters.

[Trip information]

Error code	Failure code	Name	Description	Remedies
E-20	0034	Over torque boost fault	The automatic torque boost parameter F 4 0 2 setting is too high. The motor has too small impedance.	Set a lower automatic torque boost parameter F 4 □ ≥ setting. Make an auto-tuning.
E-21	0035	CPU fault 2	The control CPU is defective.	Contact your Toshiba distributor.
E-23	0037	Optional unit fault 2	An optional device is defective.	Contact your Toshiba distributor.
E-26	003A	CPU fault 3	The control CPU detected a fault.	Reset the inverter. The cause can be surrounding noise. If the problem is not solved, contact your Toshiba distributor.
E-31	0063	Heavy cycle of main power ON/OFF	Main power ON/OFF during running is repeated frequently. Initial failure if it is caused by other reasons.	Reduce the frequency of repetition of main power ON/OFF during running. Contact your Toshiba distributor.
E-32	0040	PTC fault	PTC thermal protection is occurred.	Check the PTC in motor.
E-37	0045	Servo lock fault	The motor shaft is not locked in servo lock operation.	Reduce the load in servo lock operation.
E-39	0047	Auto-tuning error (PM motor)	 When auto-tuning (relating parameters are P £ = 5, F 40 D = 2), the current of the permanent magnet motor exceeded the threshold level. The inductance of permanent magnet motor is too small. 	Auto tuning for permanent magnet motor is not allowed for this motor, please measure inductance with the LCR meter etc.
			The motor is not connected.	 Set V/F control mode selection P \(\mathbb{E} = \overline{\overline{U}}\), for operation check without connecting motor.

^{*} This marking trips can be selected valid or invalid by parameters.

[Alarm information] Each message in the table is displayed to give a warning but does not cause the inverter to trip.

Error code	Name	Description	Remedies
OFF	ST (assigned standby function) terminal OFF	The ST-CC (or P24) circuit is opened.	Close the ST-CC (or P24) circuit.
NOFF	Undervoltage in main circuit	The supply voltage between R, S and T is under voltage. Internal communication fault.	Measure the main circuit supply voltage. If the voltage is at a normal level, the inverter requires repairing for fault.
rtry	Retry in process	The inverter is in process of retry. A momentary stop occurred. The motor speed is being detected.	The inverter restarts automatically. Be careful of the machine because it may suddenly restart.
Errl	Frequency point setting error alarm	The frequency setting signals at points 1 and 2 are set too close to each other.	Set the frequency setting signals at points 1 and 2 apart from each other.
ELr	Clear command acceptable	This message is displayed when pressing the STOP key while an error code is displayed.	Press the STOP key again to clear the trip.
EOFF	Emergency stop command acceptable	The operation panel is used to stop the operation in automatic control or remote control mode.	Press the STOP key for an emergency stop. To cancel the emergency stop, press any other key.
F 0	Setting error alarm / An error code and data are displayed alternately twice each.	An error is found in a setting when data is reading or writing.	Check whether the setting is made correctly.
HERd/ End	Display of first/last data items	The first and last data item in the #UH data group is displayed.	Press MODE key to exit the data group.
d b	DC braking	DC braking in process	The message goes off in several tens of seconds if no problem occurs. Note 1)
E 1 E 3	Flowing out of excess number of digits	The number of digits such as frequencies is more than 4. (The upper digits have a priority.)	Lower the frequency free unit magnification F 702.
5 t 0 P	Deceleration stop function during power failure activated.	 The slowdown stop prohibition function set with F 30 2 (momentary power failure ride-through operation) is activated. 	To restart operation, reset power supply or input an operation signal again.
LSEP	Auto-stop because of continuous operation at the lower-limit frequency	The automatic stop function selected with F 2 5 8 was activated.	This function is cancelled, when frequency reference reaches LL+0.2Hz or operation command is OFF.
In It	Parameters in the process of initialization	Parameters are being initialized to default values.	Normal if the message disappears after a while (several seconds to several tens of seconds).
A-01	Points setting alarm 1	 In case of P = 7, there are same setting value at least two on parameter u L, F 190, F 192, F 194, F 196, or F 198 except 0.0Hz. 	Set the points to different values.
R - 0 2	Points setting alarm 2	 In case of P = 7, the inclination of V/f is too high. 	Set the inclination of V/f to be flat.

Note 1) When the DC braking (DB) function is assigned by using the input terminal function 22 or 23,

it is normal if "d b" disappears when opening the circuit between the terminal and CC (or P24).

[Alarm information] Each message in the table is displayed to give a warning but does not cause the inverter to trip.

Error code	Name	Description	Remedies
R-05	Output frequency upper limit	An attempt was made to operate at a frequency higher than 10 times the base frequency (ut or F 170).	Operate at a frequency within 10 times the base frequency.
A-17	Operation panel key alarm	The RUN or STOP key is held down for more than 20 seconds. The RUN or STOP key is faulty.	Check the operation panel.
A-58	S3 terminal alarm	Slide switch SW2 and parameter F 147 settings are different.	Match the settings of SW2 and F 14 7. Power supply OFF and ON after these settings.
REn	Auto-tuning	Auto-tuning in process	 Normal if it the message disappears after a few seconds.
R - 18	Break in analog signal cable	The signal input via VIC is below the analog signal detection level set with F & 3 3 and setting value of F & Y Y is one or more.	Check the cables for breaks. And check the setting of input signal or setting value of F 5 3 3 and F 5 4 4. This alarm is cancelled, when operation command is OFF after VIC input signal is recovered.
FIrE	In forced operation	 "F !r E" and operation frequency is displayed alternately in operation of forced fire-speed control. 	It is normal the alarm is gone out after the forced fire-speed control operation.
PrR	STO signal OFF	STO terminal is in open-circuit. Input voltage of STO terminal is low. The voltage of P24 terminal decreases. The load of P24 terminal (24Vdc power supply) is over 100mA. Control terminal block comes off.	Close STO and + SU circuit. Check the load of P24 terminal, if STO and +SU is shorted. Check the load of P24 terminal. Use P24 terminal up to 100mA including transient current. Install the control terminal block to the inverter.
PRSS/ FRIL	Password verification result	 After the password setting (F 738), the password was input to F 739 (password verification). 	If the password is correct, PR55 is displayed and if it is incorrect, FR1L is displayed.
ER54/ 5Łd	Switching display of Easy setting mode / Standard setting mode	The EASY key was pushed in the standard monitor mode.	 When ER55 is displayed, setting mode becomes easy setting mode. When 5£6 is displayed, it becomes standard setting mode.
5 <i>E Ł</i> Note 2)		 A region setting is not input yet. Power supplied to the inverter at first time As checking the region setting parameter 5 £ £ is set to 0, inverter return to default setting. As £ YP is set to 13, inverter return to default setting. 	Set a region setting by using setting dial. Refer to section 3.1.
nErr	No trip of past trip	No new record of past trip, after past trips were clear.	Normal operation.
n	No detailed information of past trip	 The detailed information of past trip is read by pushing the center of setting dial during blinking of Ecc ⇔ number. 	Normal operation. To be returned by pressing MODE key.

Note 2) $5\,E\,E$ is blinking after power supply is on. In this time, the keys are not operated. But parameter $5\,E\,E$ is lighting as same as other parameters and is not blinking.

[Pre-alarm information] Each message in the table is displayed to give a warning but dues not cause the inverter to trip

The following error code and the frequency will blink alternately.

Error code	Name	Description	Remedies
Ε	Overcurrent pre-alarm	When a current flows at or higher than the overcurrent stall prevention level.	Same as [] [(overcurrent)
ρ	Overvoltage pre-alarm	When a voltage is generated at or higher than the over voltage stall prevention level. Even if it was lower than the over voltage stall prevention level, when a voltage is generated at sharp increase.	Same as GP (overvoltage)
L	Overload pre-alarm	When the cumulative amount of overload reaches 50% or more of the overload trip value. When the main circuit element temperature reaches the overload pre-alarm level	Same as @L / and @L 2 (overload)
H	Overheat pre-alarm	When the overheat protection pre-alarm level is reached	Same as ### (overheat)
Ł	Communication pre-alarm	• When the communication was broken off at or longer than the parameter F B C 3 setting.	Same as Err5 (communication fault)

If two or more problems arise simultaneously, one of the following pre-alarms appears and blinks. $\mathcal{L}P$, PL, $\mathcal{L}PL$

The blinking alarms \mathcal{L} , \mathcal{P} , \mathcal{L} , \mathcal{H} , \mathcal{E} are displayed in this order from left to right.

13.2 Restoring the inverter from a trip

Do not reset the inverter when tripped because of a failure or error before eliminating the cause. Resetting the tripped inverter before eliminating the problem causes it to trip again.

The inverter can be restored from a trip by any of the following operations:

- (1) By turning off the power (Keep the inverter off until the LED turns off.)

 Note) See inverter trip hold selection F 5 0 7 for details.
- (2) By means of an external signal (Short circuit across RES and CC (or P24) on control terminal block → Open): The reset function must be assigned to the input terminal block. (function number 8, 9)
- (3) By panel keypad operation
- (4) By inputting a trip clear signal from communication (Refer to communication manual (E6581913) for details.)

To reset the inverter by panel keypad operation, follow these steps.

- Press the STOP key and make sure that [L r is displayed.
- 2. Pressing the STOP key again will reset the inverter if the cause of the trip has already been eliminated.
- When any overload function [@L 1: inverter overload, @L 2: motor overload, @L r: braking resistor
 overload] is active, the inverter cannot be reset by inputting a reset signal from an external device or
 by operation panel operation before the virtual cooling time has passed.

```
Virtual cooling time ... It is about 30 seconds after the occurrence of a trip

It I: about 120 seconds after a occurrence of a trip

It I: about 20 seconds after a occurrence of a trip
```

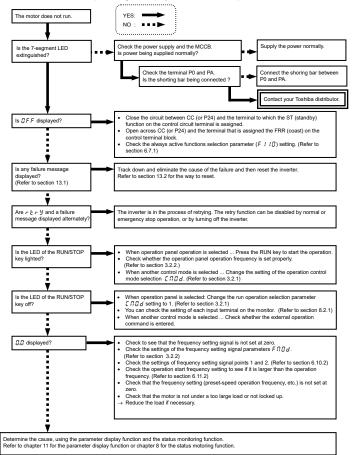
- As to □ : ∃ (Main module overload), there is no virtual cooling time.
- In case of a trip due to overheat (##), the inverter checks the temperature within. Wait until the
 temperature in the inverter falls sufficiently before resetting the inverter.
- The inverter cannot be reset while the emergency stop signal is being input from the terminal.
- The inverter cannot be reset while the pre-alarm is occurred.

[Caution]

Turning the inverter off then turning it on again resets the inverter immediately. You can use this mode of resetting if there is a need to reset the inverter immediately. Note, however, that this operation may damage the system or the motor if it is repeated frequently.

13.3 If the motor does not run while no trip message is displayed...

If the motor does not run while no trip message is displayed, follow these steps to track down the cause.



13.4 How to determine the causes of other problems

The following table provides a listing of other problems, their possible causes and remedies.

Problems	Causes and remedies
The motor runs in the wrong direction.	Invert the phases of the output terminals U/T1, V/T2 and W/T3. Invert the forward/reverse run-signal terminals of the external input device. (Refer to section 7.2.1) Change the setting of the parameter Fr in the case of panel operation.
The motor runs but its speed does not change normally.	 The load is too heavy. Reduce the load. The soft stall function is activated. Disable the soft stall function. (Refer to section 5.6) The maximum frequency F H and the upper limit frequency UL are set too low. Increase the maximum frequency F H and the upper limit frequency UL. The frequency setting signal is too low. Check the signal set value, circuit, cables, etc. Check the setting characteristics (point 1 and point 2 settings) of the frequency setting signal parameters. (Refer to section 6.10.2) If the motor runs at a low speed, check to see that the stall prevention function is activated because the torque boost value is too large. Adjust the torque boost value (u b) and the acceleration time (REf. L). (Refer to section 6.4 and 5.2)
The motor does not accelerate or decelerate smoothly.	• The acceleration time ($R \subseteq \mathcal{E}$) or the deceleration time ($d \in \mathcal{E}$) is set too short. Increase the acceleration time ($R \subseteq \mathcal{E}$) or the deceleration time ($d \in \mathcal{E}$).
A too large current flows into the motor.	The load is too heavy. Reduce the load. If the motor runs at a low speed, check whether the torque boost value is too large. (Refer to section 6.4)
The motor runs at a higher or lower speed than the specified one.	 The motor has an improper voltage rating. Use a motor with a proper voltage rating. The motor terminal voltage is too low. Check the setting of the base frequency voltage parameter (u', u'). (Refer to section 5.5) Replace the cable with a cable larger in diameter. The reduction gear ratio, etc., are not set properly. Adjust the reduction gear ratio, etc. The output frequency is not set correctly. Check the output frequency range. Adjust the base frequency. (Refer to section 5.5)
The motor speed fluctuates during operation.	 The load is too heavy or too light. Reduce the load fluctuation. The inverter or motor used does not have a rating large enough to drive the load. Use an inverter or motor with a rating large enough. Check whether the frequency setting signal changes. If the V/F control selection parameter P t is set at 3, check the vector control setting, operation conditions, etc. (Refer to section 6.3)
Parameter settings cannot be changed.	 Change the setting of the parameter setting selection prohibited parameter F 700 to 0 (enabled) if it is set to 1 to 1 (prohibited). Set the verification code to F 7 39, if password has entered by the password setting F 738. (Refer to section 6.34.1) Switch off the logic input terminal, if this terminal is assigned to input terminal menu 200 to 203 (Parameter editing / reading prohibition). For reasons of safety, some parameters cannot be reprogrammed while the inverter is running. (Refer to section 11.9)
Inverter cannot communicate.	Refer to "Appendix 4 Troubleshooting" in "RS485 Communication Function Instruction Manual" (E6581913).

How to cope with parameter setting-related problems

The tree cope that parameter cetting related problems			
If you forget parameters which have been reset	You can search for all reset parameters and change their settings. * Refer to section 4.3.1 for details.		
If you want to return all reset parameters to their respective default settings	You can return all parameters which have been reset to their default settings. *Refer to section 4.3.2 for details.		