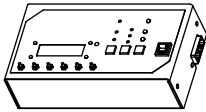


IVR-5XXX



Components

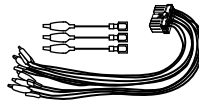
① CN-100



② Power cable



③ Cable assy.



④ This Manual

Features

- Line Voltage Requirements : 100~240VAC / 50Hz-60Hz
- This checker can inspect New-Era regulators (IVR for 12V & 24V).
- This checker has the function to protect over current.

The meaning for Display

- ① OVER CURRENT : To figure out current surge
- ② SHORT CIRCUIT : In case of short circuit during inspecting on STEP1 or STEP 2, short circuit is happened inside of IVR Circuit
- ③ SHORT CIRCUIT ST : In case of short circuit before inspecting on STEP 1 or STEP 2, short circuit is happened by wrong wiring

※When new item regulators will be added on current regulator list, you could get new data by downloading from HP as below.

"<http://www.newera.co.jp/product/ivrchecker/cn100.html>"

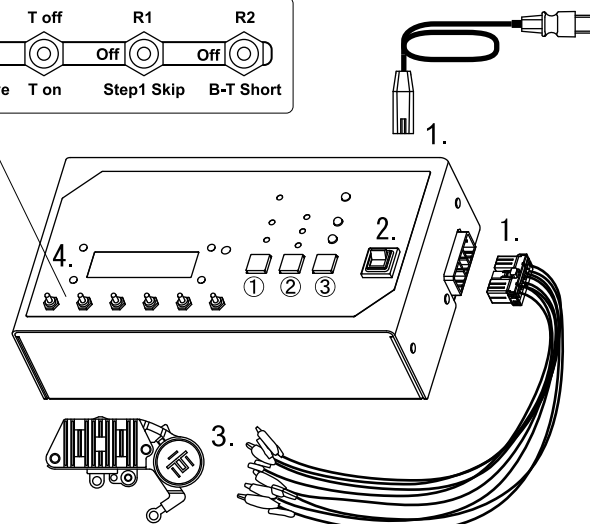
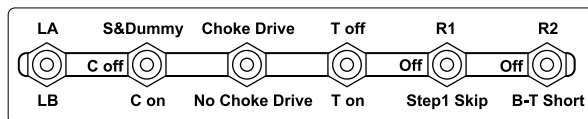
※The contents in our instruction manual would be changed without prior announcement.

Connection / Setting

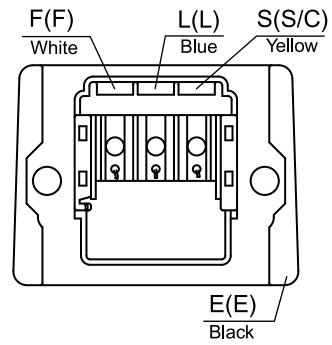
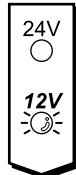
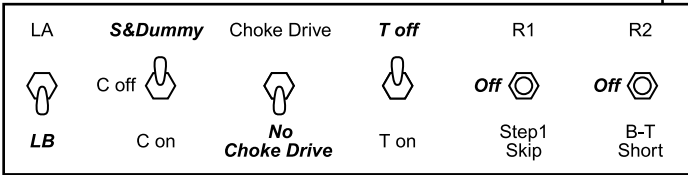
1. Connect **Cable assy.** and **Power cable** to CN-100
2. Turn **Power switch** on
3. Connect **IVR** to **CN-100**
4. Select **>LA** or **LB**
 - >**S&Dummy** or **C off** or **C on**
 - >**Choke Drive** or **No Choke Drive**
 - >**T off** or **T on**
 - >**R1** or **Off** or **Step1 Skip**
 - >**R2** or **Off** or **B-T Short**

Operation

- ① Select **12V** or **24V**
- ② Press **Step** :STEP1
Step :STEP2
- ③ End of check , Press **Reset**
- ④ Connect next IVR
- ⑤ Same model :return ②
Other model :return 3.



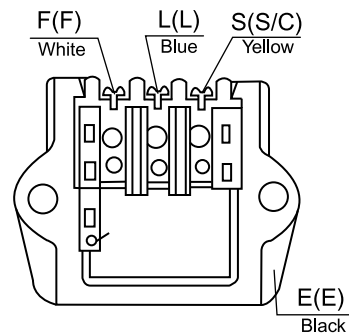
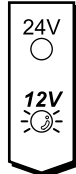
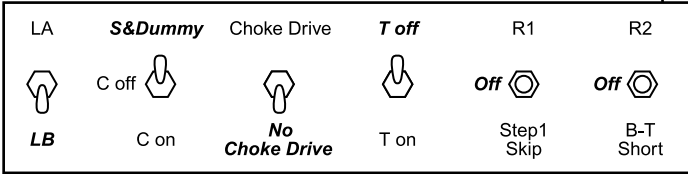
IVR-501H



STEP1 : Charge Lamp
 STEP2 : Choke Drive
 Regulated voltage **14.0V~15.1V**■

Connect IVR

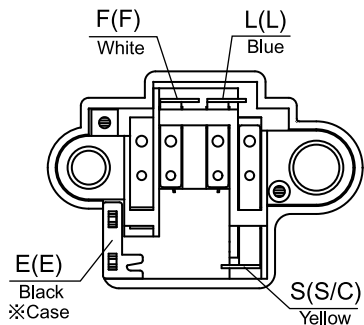
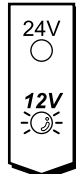
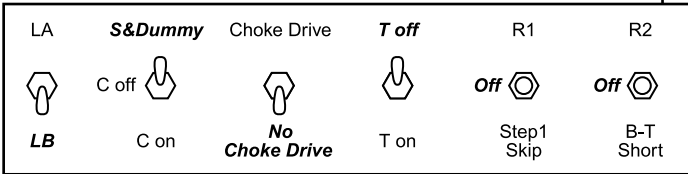
IVR-502



STEP1 : Charge Lamp
 STEP2 : Choke Drive
 Regulated voltage **14.0V~15.1V**■

Connect IVR

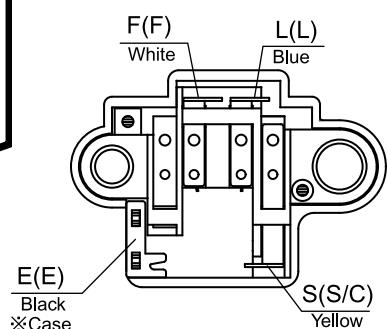
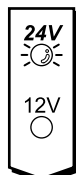
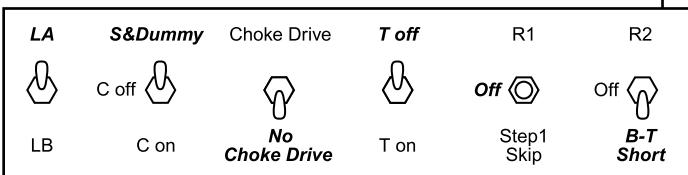
IVR-505



STEP1 : Charge Lamp
 STEP2 : Choke Drive
 Regulated voltage **14.0V~15.1V**■

Connect IVR

IVR-506



STEP1 : Charge Lamp
 STEP2 : Choke Drive
 Regulated voltage **28.0V~29.1V**■

Connect IVR

LA	S&Dummy	Choke Drive	T off	R1	R2
	C off			Off	Off
LB	C on	No Choke Drive	T on	Step1 Skip	B-T Short

STEP1 : Charge Lamp

STEP2 : Choke Drive

Regulated voltage **14.0V~15.1V**■

Connect IVR

IVR-507

LA	S&Dummy	Choke Drive	T off	R1	R2
	C off			Off	Off
LB	C on	No Choke Drive	T on	Step1 Skip	B-T Short

STEP1 : Charge Lamp

STEP2 : Choke Drive

Regulated voltage **28.0V~29.1V**■

Connect IVR

IVR-508

LA	S&Dummy	Choke Drive	T off	R1	R2
	C off			Off	Off
LB	C on	No Choke Drive	T on	Step1 Skip	B-T Short

STEP1 : Charge Lamp

STEP2 : Choke Drive

Regulated voltage **14.0V~15.1V**■

Connect IVR

IVR-510J

LA	S&Dummy	Choke Drive	T off	R1	R2
	C off			Off	Off
LB	C on	No Choke Drive	T on	Step1 Skip	B-T Short

STEP1 : Charge Lamp

STEP2 : Choke Drive

Regulated voltage **14.0V~15.1V**■

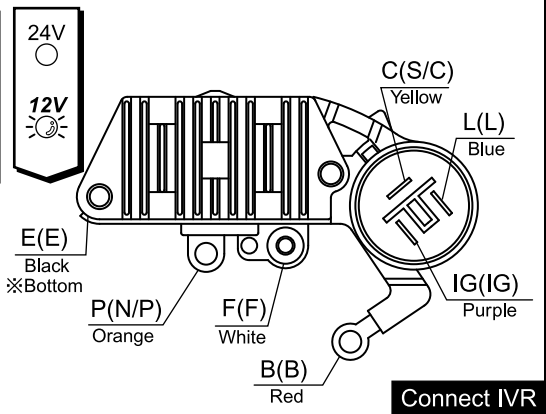
Connect IVR

IVR-511J

IVR-512

LA	S&Dummy	Choke Drive	T off	R1	R2
	C off			Off	Off
LB	C on	No Choke Drive	T on	Step1 Skip	B-T Short

STEP1 : Charge Lamp
 STEP2 : Choke Drive
 Regulated voltage **14.0V~15.1V**■

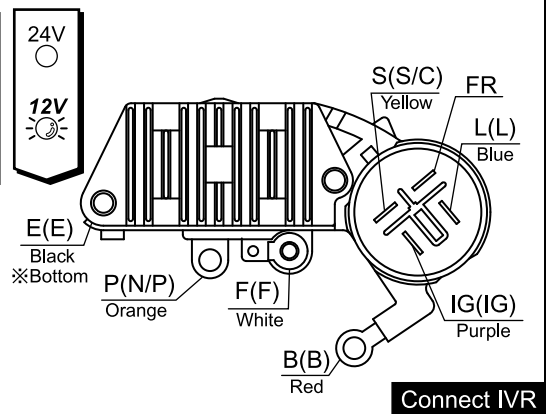


Connect IVR

IVR-513J

LA	S&Dummy	Choke Drive	T off	R1	R2
	C off			Off	Off
LB	C on	No Choke Drive	T on	Step1 Skip	B-T Short

STEP1 : Charge Lamp
 STEP2 : Choke Drive
 Regulated voltage **14.0V~15.1V**■

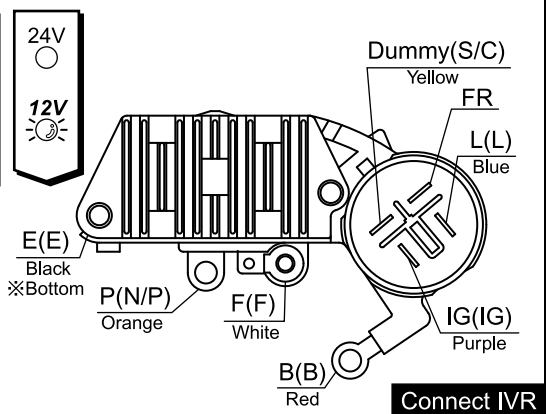


Connect IVR

IVR-514J

LA	S&Dummy	Choke Drive	T off	R1	R2
	C off			Off	Off
LB	C on	No Choke Drive	T on	Step1 Skip	B-T Short

STEP1 : Charge Lamp
 STEP2 : Choke Drive
 Regulated voltage **14.0V~15.1V**■

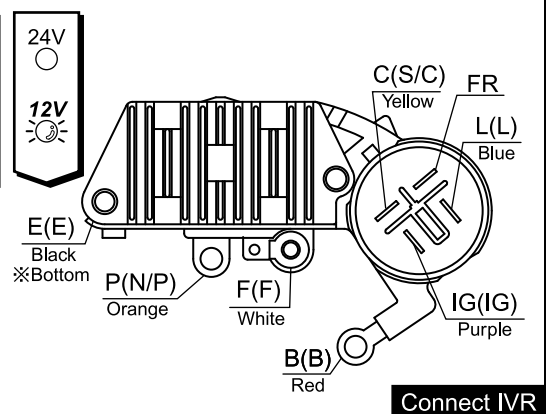


Connect IVR

IVR-515

LA	S&Dummy	Choke Drive	T off	R1	R2
	C off			Off	Off
LB	C on	No Choke Drive	T on	Step1 Skip	B-T Short

STEP1 : Charge Lamp
 STEP2 : Choke Drive
 Regulated voltage **14.0V~15.1V**■



Connect IVR

LA	S&Dummy	Choke Drive	T off	R1	R2
	C off			Off	Off
LB	C on	No Choke Drive	T on	Step1 Skip	B-T Short

STEP1 : Charge Lamp

STEP2 : Choke Drive

Regulated voltage **14.0V~15.1V**■

Connect IVR

IVR-516

LA	S&Dummy	Choke Drive	T off	R1	R2
	C off			Off	Off
LB	C on	No Choke Drive	T on	Step1 Skip	B-T Short

STEP1 : Charge Lamp

STEP2 : Choke Drive

Regulated voltage **14.0V~15.1V**■

Connect IVR

IVR(S)-517

LA	S&Dummy	Choke Drive	T off	R1	R2
	C off			Off	Off
LB	C on	No Choke Drive	T on	Step1 Skip	B-T Short

STEP1 : Charge Lamp

STEP2 : Choke Drive

Regulated voltage **14.0V~15.1V**■

Connect IVR

IVR-518

LA	S&Dummy	Choke Drive	T off	R1	R2
	C off			Off	Off
LB	C on	No Choke Drive	T on	Step1 Skip	B-T Short

STEP1 : Charge Lamp

STEP2 : Choke Drive

Regulated voltage **14.0V~15.1V**■

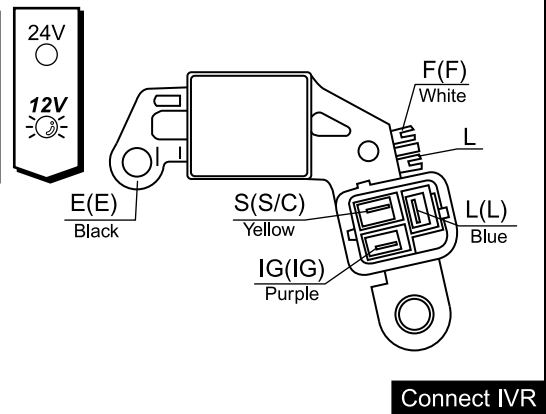
Connect IVR

IVR-519

IVR-520

LA	S&Dummy	Choke Drive	T off	R1	R2
	C off			Off	Off
LB	C on	No Choke Drive	T on	Step1 Skip	B-T Short

STEP1 : Charge Lamp
 STEP2 : Choke Drive
 Regulated voltage **14.0V~15.1V**■

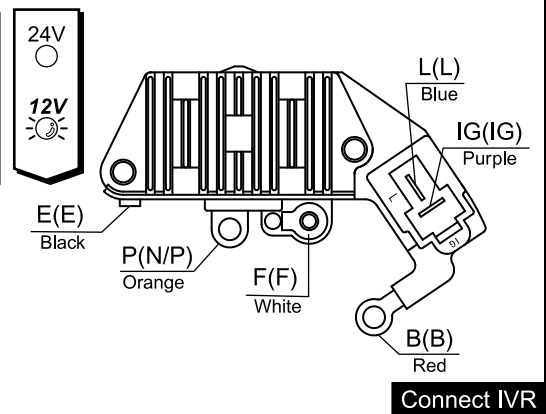


Connect IVR

IVR-521

LA	S&Dummy	Choke Drive	T off	R1	R2
	C off			Off	Off
LB	C on	No Choke Drive	T on	Step1 Skip	B-T Short

STEP1 : Charge Lamp
 STEP2 : Choke Drive
 Regulated voltage **14.0V~15.1V**■

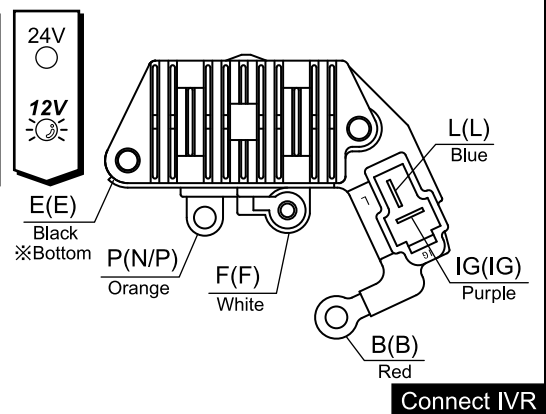


Connect IVR

IVR-522

LA	S&Dummy	Choke Drive	T off	R1	R2
	C off			Off	Off
LB	C on	No Choke Drive	T on	Step1 Skip	B-T Short

STEP1 : Charge Lamp
 STEP2 : Choke Drive
 Regulated voltage **14.0V~15.1V**■

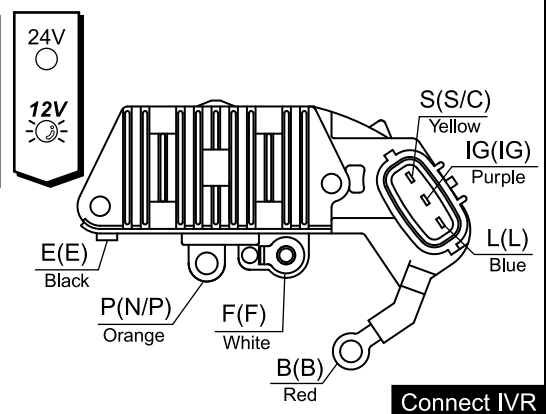


Connect IVR

IVR-523

LA	S&Dummy	Choke Drive	T off	R1	R2
	C off			Off	Off
LB	C on	No Choke Drive	T on	Step1 Skip	B-T Short

STEP1 : Charge Lamp
 STEP2 : Choke Drive
 Regulated voltage **14.0V~15.1V**■



Connect IVR

LA	S&Dummy	Choke Drive	T off	R1	R2
	C off			Off	Off
LB	C on	No Choke Drive	T on	Step1 Skip	B-T Short

STEP1 : Charge Lamp

STEP2 : Choke Drive

Regulated voltage **14.0V~15.1V**■

24V

12V

E(E) Black
*Bottom

P(N/P) Orange

F(F) White

B(B) Red

L(L) Blue

IG(IG) Purple

S(S/C) Yellow

Connect IVR

IVR-524

LA	S&Dummy	Choke Drive	T off	R1	R2
	C off			Off	Off
LB	C on	No Choke Drive	T on	Step1 Skip	B-T Short

STEP1 : Charge Lamp

STEP2 : Choke Drive

Regulated voltage **14.0V~15.1V**■

24V

12V

E(E) Black
*Bottom

P(N/P) Orange

F(F) White

B(B) Red

L(L) Blue

IG(IG) Purple

Dummy(S/C) Yellow

Connect IVR

IVR-525

LA	S&Dummy	Choke Drive	T off	R1	R2
	C off			Off	Off
LB	C on	No Choke Drive	T on	Step1 Skip	B-T Short

STEP1 : Charge Lamp

STEP2 : Choke Drive

Regulated voltage **14.0V~15.1V**■

24V

12V

E(E) Black
*Bottom

P(N/P) Orange

F(F) White

B(B) Red

L(L) Blue

IG(IG) Purple

C(S/C) Yellow

Connect IVR

IVR-526

LA	S&Dummy	Choke Drive	T off	R1	R2
	C off			Off	Off
LB	C on	No Choke Drive	T on	Step1 Skip	B-T Short

STEP1 : Charge Lamp

STEP2 : Choke Drive

Regulated voltage **28.0V~29.1V**■

24V

12V

E(E) Black
*Bottom

P(N/P) Orange

F(F) White

B(B) Red

L(L) Blue

IG(IG) Purple

S(S/C) Yellow

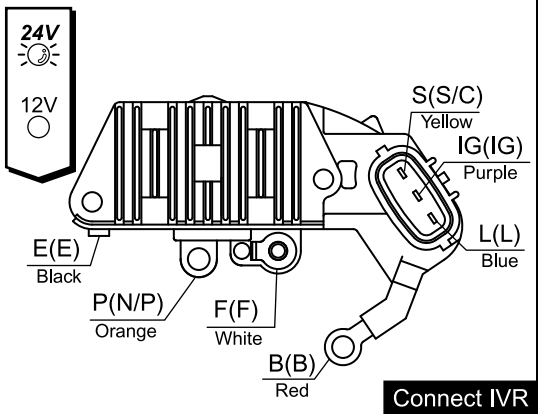
Connect IVR

IVR-527

IVR-528

LA	S&Dummy	Choke Drive	T off	R1	R2
	C off			Off	Off
LB	C on	No Choke Drive	T on	Step1 Skip	B-T Short

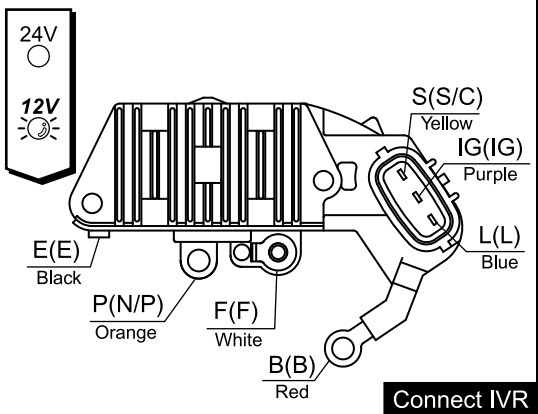
STEP1 : Charge Lamp
 STEP2 : Choke Drive
 Regulated voltage **28.0V~29.1V**■



IVR-529

LA	S&Dummy	Choke Drive	T off	R1	R2
	C off			Off	Off
LB	C on	No Choke Drive	T on	Step1 Skip	B-T Short

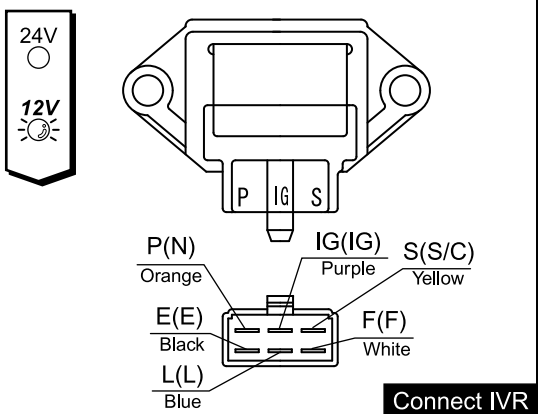
STEP1 : Charge Lamp
 STEP2 : Choke Drive
 Regulated voltage **14.0V~15.1V**■



IVR-530J

LA	S&Dummy	Choke Drive	T off	R1	R2
	C off			Off	Off
LB	C on	No Choke Drive	T on	Step1 Skip	B-T Short

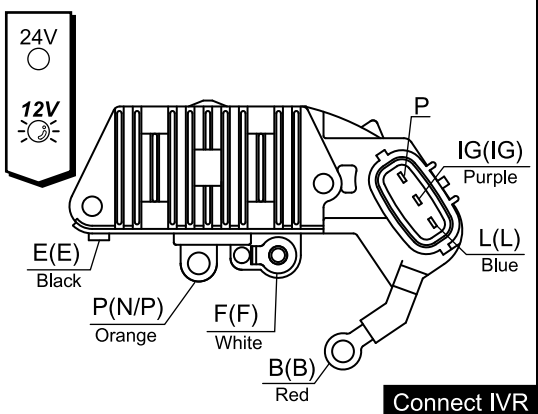
STEP1 : Charge Lamp
 STEP2 : Choke Drive
 Regulated voltage **14.0V~15.1V**■



IVR-531

LA	S&Dummy	Choke Drive	T off	R1	R2
	C off			Off	Off
LB	C on	No Choke Drive	T on	Step1 Skip	B-T Short

STEP1 : Charge Lamp
 STEP2 : Choke Drive
 Regulated voltage **14.0V~15.1V**■



LA	S&Dummy	Choke Drive	T off	R1	R2
	C off			Off	Off
LB	C on	No Choke Drive	T on	Step1 Skip	B-T Short

STEP1 : Charge Lamp

STEP2 : Choke Drive

Regulated voltage **14.0V~15.1V**■

Connect IVR

IVR-532

LA	S&Dummy	Choke Drive	T off	R1	R2
	C off			Off	Off
LB	C on	No Choke Drive	T on	Step1 Skip	B-T Short

STEP1 : Charge Lamp

STEP2 : Choke Drive

Regulated voltage **14.0V~15.1V**■

Connect IVR

IVR-533

LA	S&Dummy	Choke Drive	T off	R1	R2
	C off			Off	Off
LB	C on	No Choke Drive	T on	Step1 Skip	B-T Short

STEP1 : Charge Lamp

STEP2 : Choke Drive

Regulated voltage **14.0V~15.1V**■

Connect IVR

IVR-534

LA	S&Dummy	Choke Drive	T off	R1	R2
	C off			Off	Off
LB	C on	No Choke Drive	T on	Step1 Skip	B-T Short

STEP1 : Charge Lamp

STEP2 : Choke Drive

Regulated voltage **14.0V~15.1V**■

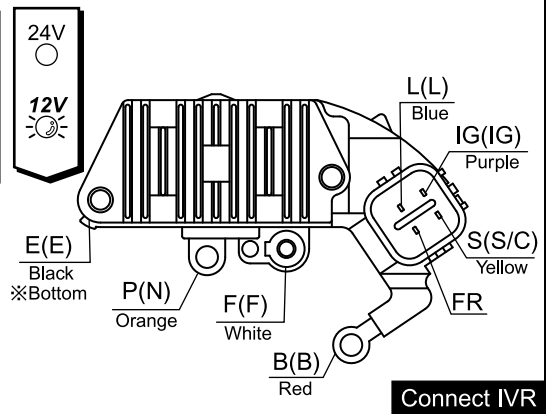
Connect IVR

IVR-535

IVR-536

LA	S&Dummy	Choke Drive	T off	R1	R2
	C off			Off	Off
LB	C on	No Choke Drive	T on	Step1 Skip	B-T Short

STEP1 : Charge Lamp
 STEP2 : Choke Drive
 Regulated voltage **14.0V~15.1V**■

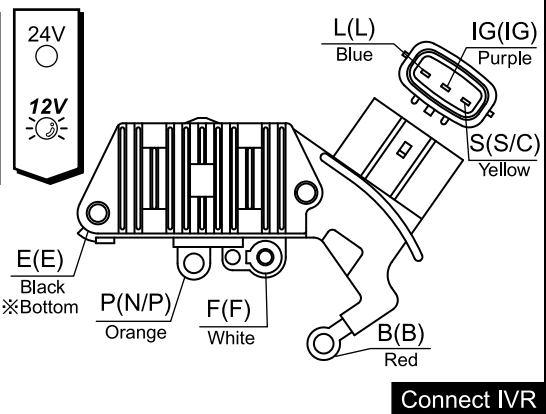


Connect IVR

IVR-538

LA	S&Dummy	Choke Drive	T off	R1	R2
	C off			Off	Off
LB	C on	No Choke Drive	T on	Step1 Skip	B-T Short

STEP1 : Charge Lamp
 STEP2 : Choke Drive
 Regulated voltage **14.0V~15.1V**■

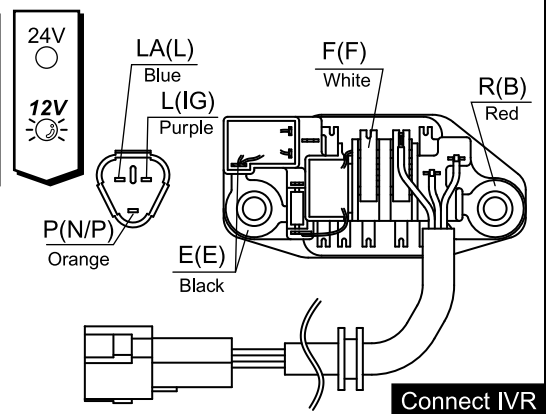


Connect IVR

IVR-539

LA	S&Dummy	Choke Drive	T off	R1	R2
	C off			Off	Off
LB	C on	No Choke Drive	T on	Step1 Skip	B-T Short

STEP1 : Charge Lamp
 STEP2 : Choke Drive
 Regulated voltage **14.0V~15.1V**■

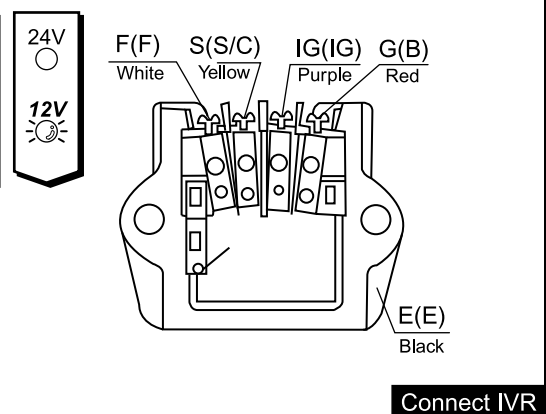


Connect IVR

IVR-540

LA	S&Dummy	Choke Drive	T off	R1	R2
	C off			Off	Off
LB	C on	No Choke Drive	T on	Step1 Skip	B-T Short

STEP1 : Charge Lamp
 STEP2 : Choke Drive
 Regulated voltage **14.0V~15.1V**■



Connect IVR

LA	S&Dummy	Choke Drive	T off	R1	R2
	C off			Off	Off
LB	C on	No Choke Drive	T on	Step1 Skip	B-T Short

STEP1 : Charge Lamp

STEP2 : Choke Drive

Regulated voltage **14.0V~15.1V**■

Connect IVR

IVR-541

LA	S&Dummy	Choke Drive	T off	R1	R2
	C off			Off	Off
LB	C on	No Choke Drive	T on	Step1 Skip	B-T Short

STEP1 : Charge Lamp

STEP2 : Choke Drive

Regulated voltage **14.0V~15.1V**■

Connect IVR

IVR-542

LA	S&Dummy	Choke Drive	T off	R1	R2
	C off			Off	Off
LB	C on	No Choke Drive	T on	Step1 Skip	B-T Short

STEP1 : Charge Lamp

STEP2 : Choke Drive

Regulated voltage **14.0V~15.1V**■

Connect IVR

IVR-543

LA	S&Dummy	Choke Drive	T off	R1	R2
	C off			Off	Off
LB	C on	No Choke Drive	T on	Step1 Skip	B-T Short

STEP1 : Charge Lamp

STEP2 : Choke Drive

Regulated voltage **14.0V~15.1V**■

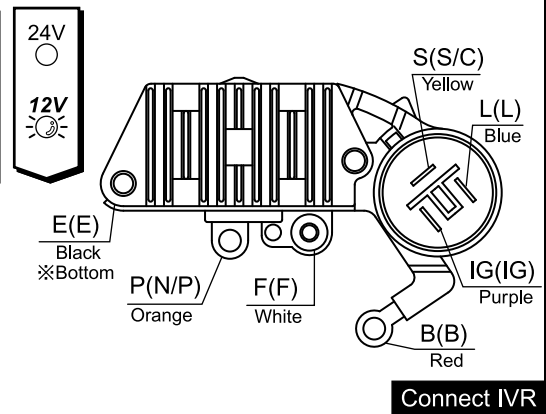
Connect IVR

IVR-544

IVR-545

LA	S&Dummy	Choke Drive	T off	R1	R2
	C off			Off	Off
LB	C on	No Choke Drive	T on	Step1 Skip	B-T Short

STEP1 : Charge Lamp
 STEP2 : Choke Drive
 Regulated voltage **14.0V~15.1V**■

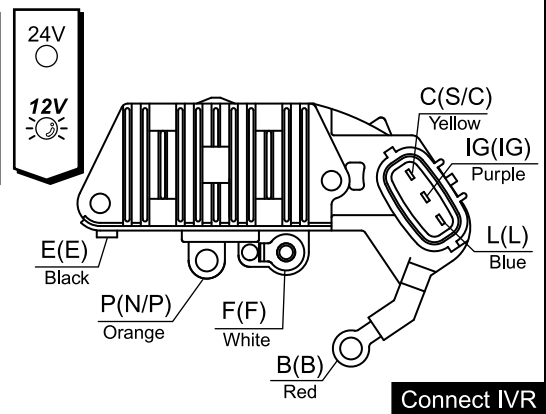


Connect IVR

IVR-546

LA	S&Dummy	Choke Drive	T off	R1	R2
	C off			Off	Off
LB	C on	No Choke Drive	T on	Step1 Skip	B-T Short

STEP1 : Charge Lamp
 STEP2 : Choke Drive
 Regulated voltage **14.0V~15.1V**■

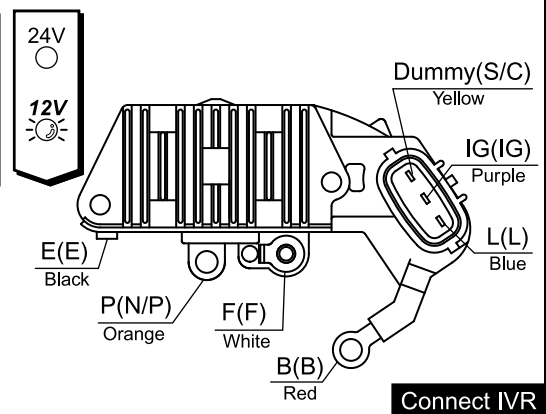


Connect IVR

IVR-547

LA	S&Dummy	Choke Drive	T off	R1	R2
	C off			Off	Off
LB	C on	No Choke Drive	T on	Step1 Skip	B-T Short

STEP1 : Charge Lamp
 STEP2 : Choke Drive
 Regulated voltage **14.0V~15.1V**■

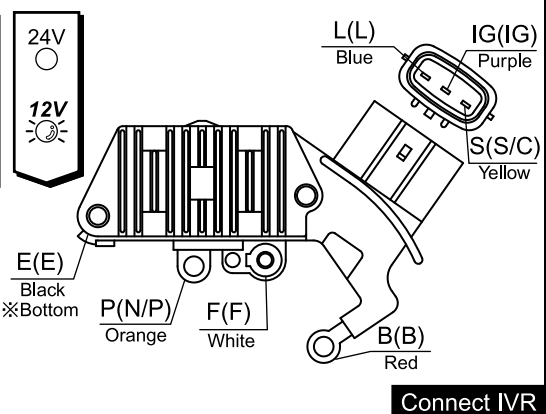


Connect IVR

IVR-548

LA	S&Dummy	Choke Drive	T off	R1	R2
	C off			Off	Off
LB	C on	No Choke Drive	T on	Step1 Skip	B-T Short

STEP1 : Charge Lamp
 STEP2 : Choke Drive
 Regulated voltage **14.0V~15.1V**■



Connect IVR

LA	S&Dummy	Choke Drive	T off	R1	R2
	C off			Off	Off
LB	C on	No Choke Drive	T on	Step1 Skip	B-T Short

Connect IVR

STEP1 : Charge Lamp

STEP2 : Choke Drive

Regulated voltage **14.0V~15.1V**■

LA	S&Dummy	Choke Drive	T off	R1	R2
	C off			Off	Off
LB	C on	No Choke Drive	T on	Step1 Skip	B-T Short

STEP1 : Charge Lamp ○

STEP2 : Choke Drive ○

Regulated voltage■

Connect IVR

LA	S&Dummy	Choke Drive	T off	R1	R2
	C off			Off	Off
LB	C on	No Choke Drive	T on	Step1 Skip	B-T Short

STEP1 : Charge Lamp ○

STEP2 : Choke Drive ○

Regulated voltage■

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