TOYOTA

REPAIR MANUAL

CBT4,6 / CBTY4

CE654-1

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GENERAL

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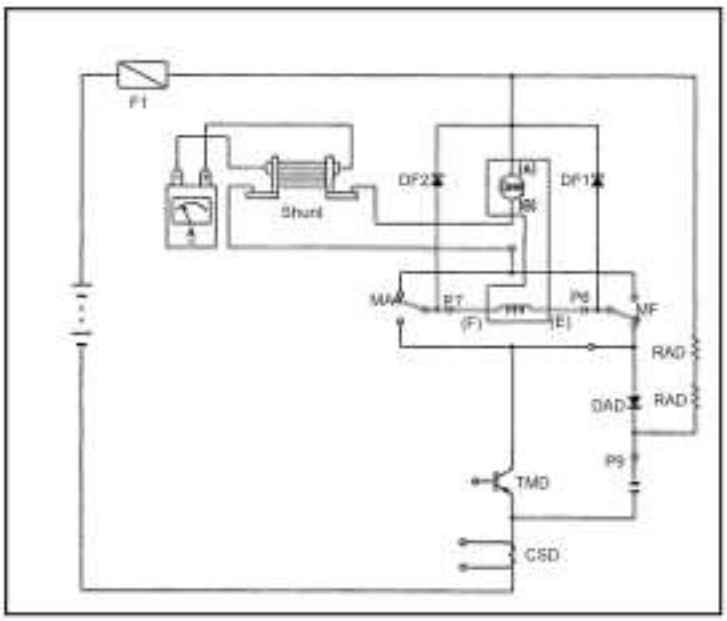
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OCL (OVERCURRENT LIMIT) VALUE

1. Drive circuit OCL value measurement
   In the operating state, lock the drive wheels (rear wheels) and connect an ammeter and a shunt as illustrated below to measure the locking current of the drive motor.



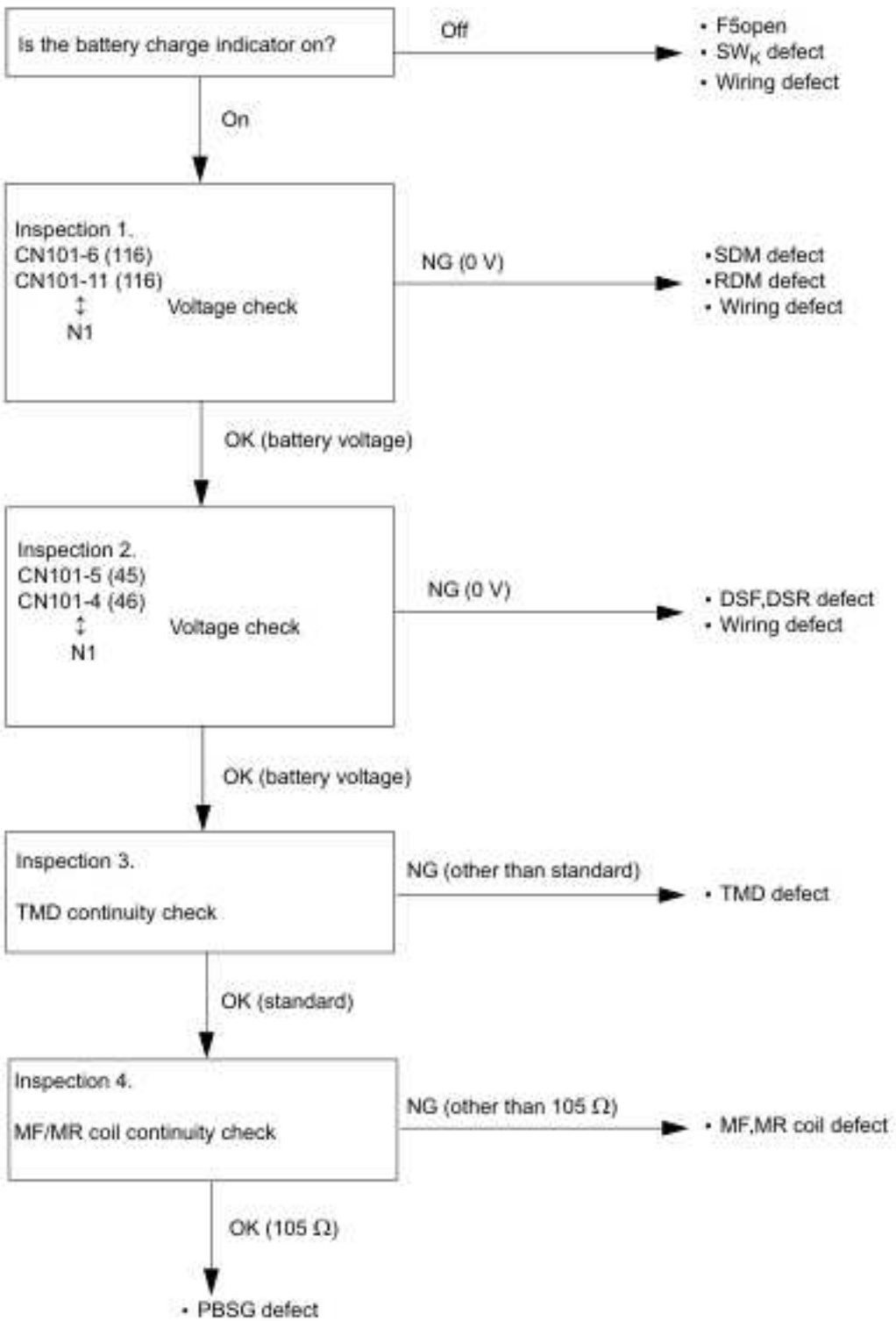
OCL value : Approx. 290 A
Ammeter : 50 mmV, 750 A
Shunt : 50 mmV, 500 A

If the OCL value does not satisfy the standard, inspect the drive motor. If no abnormality of the drive motor is found, the SG board is defective.

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TRAVELING SYSTEM TROUBLESHOOTING

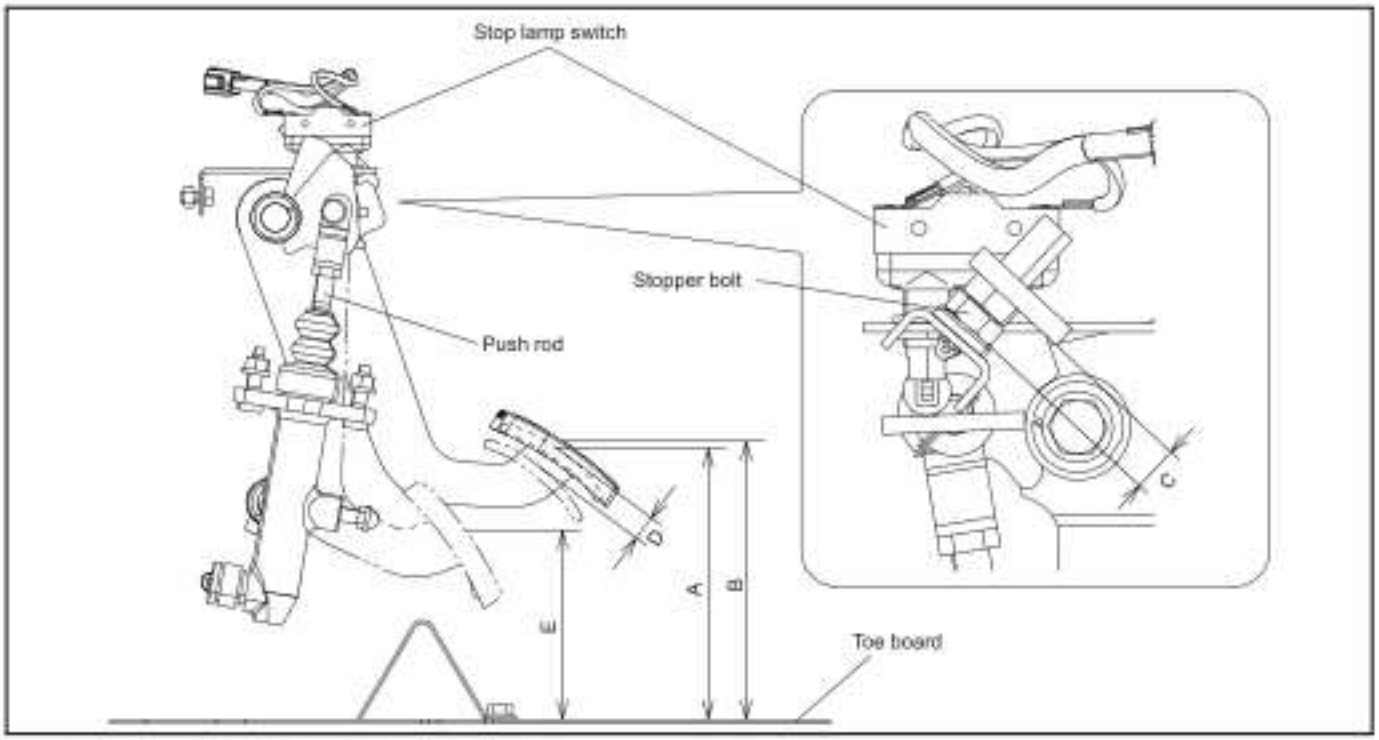
1. The vehicle does not move at all (MF•MR fails to be closed).



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BRAKE PEDAL ADJUSTMENT

CBT4·6

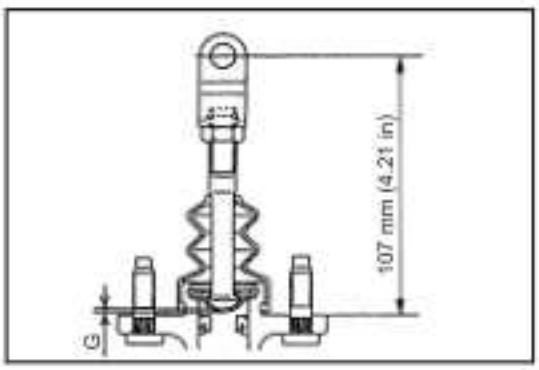


1. Adjust the brake pedal height and play.
   (1) Adjust the stopper bolt length (dimension C) so that the brake pedal height (dimensions A and B) satisfy the values shown below.
   (2) Adjust the master cylinder push rod length so that the brake pedal play (dimension D) satisfies the value shown below.
   (3) Upon completion of the above installation, check the depressed pedal height (dimension E).

Unit :mm (in)

A	B	C	D	E
151~156 (5.94~6.14)	156~161 (6.14~6.33)	13 (0.51)	5~10 (0.20~0.40)	112 (4.41) or more

A: Dimension without pad
B: Dimension with pad
C: Stopper bolt length
D: Pedal play
E: Depressed pedal height (with pad)



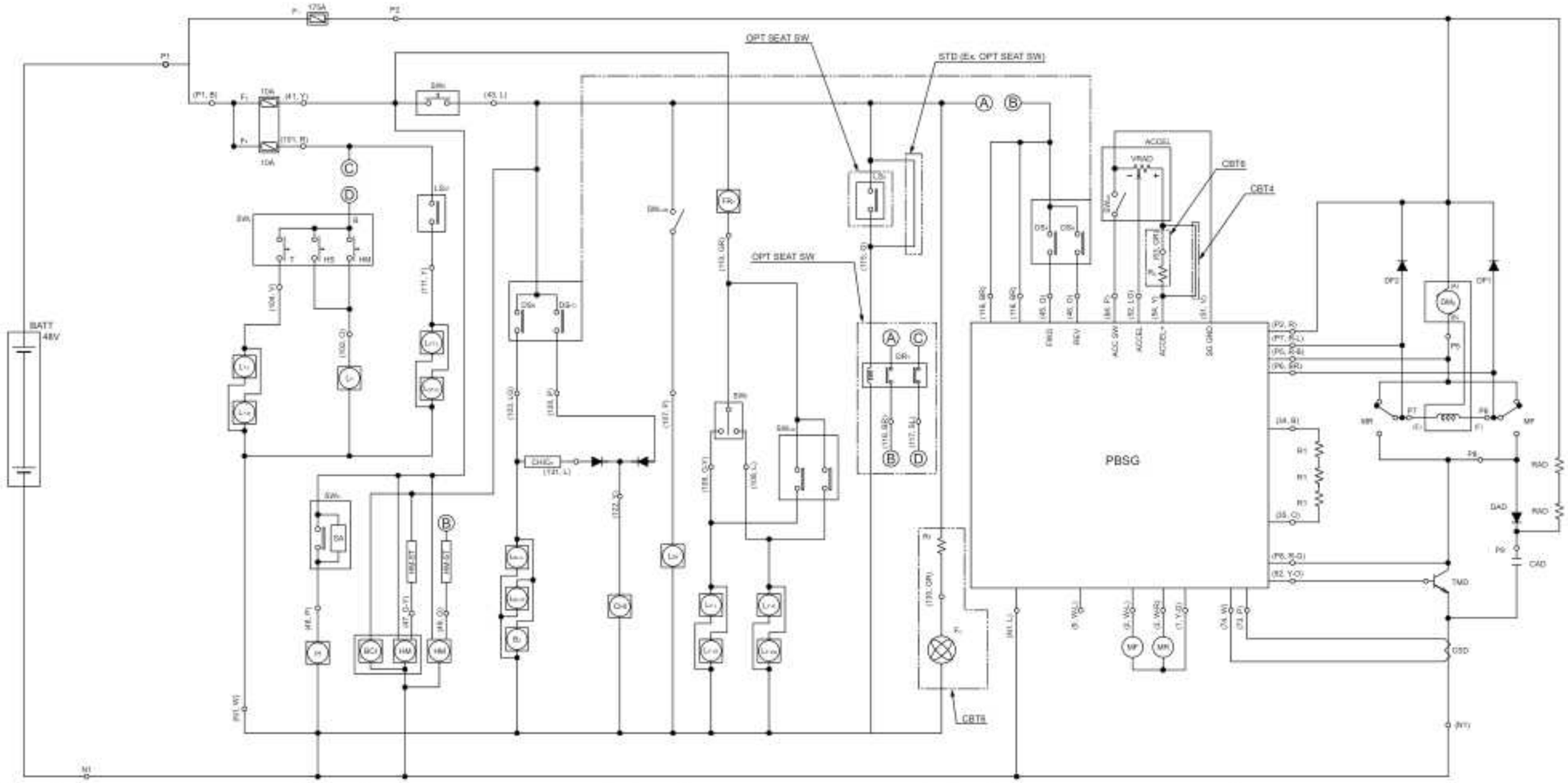
Push Rod Play

1. Always provide the push rod play.
   G = 1~2 mm (0.04~0.08 in)

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WIRING DIAGRAM

CBT4·CBT6



BCI	BATTERY CAPACITY INDICATOR
BATT	BATTERY
F1	FUSE, DRIVE
F4	FUSE, LAMP
F5	FUSE, CONTROL CIRCUIT
DM	MOTOR, DRIVE
TMD	TRANSISTOR, MAIN, DRIVE
SA	SURGE ABSORBER
VRAD	VARI-OHM, ACCEL, DRIVE
CSD	CURRENT SENSOR, DRIVE
DF1	DIODE, FLY-WHEEL, NO1
DF2	DIODE, FLY-WHEEL, NO2

HM	METER, HOUR
HM-ST	HOUR METER START CONNECTOR
H	HORN
B	BUZZER
CHI	CHIME
CHIC	CHIME CONNECTOR, REVERSE
FR	RELAY, FLASHER
DR	RELAY, SEAT
DS	DIRECTION SWITCH, FORWARD
DS	DIRECTION SWITCH, REVERSE
DS	DIRECTION SWITCH, FORWARD OPTIONAL
DS	DIRECTION SWITCH, BACK-UP

LS	LIMIT SWITCH, STOP LAMP
LS	LIMIT SWITCH, DEADMAN
SW	SWITCH, ACCEL
SW	SWITCH, KEY
SW	SWITCH, HORN
SW	SWITCH, LIGHT
SW	SWITCH, FLASHER
SW	SWITCH, HAZARD
SW	SWITCH, LAMP, STROBO
L	LAMP, HEAD
L	LAMP, TAIL LH
L	LAMP, TAIL RH
L	LAMP, FLASHER LH
L	LAMP, FLASHER RH
L	LAMP, FLASHER LH (REAR)
L	LAMP, FLASHER RH (REAR)

L	LAMP, STOP LH
L	LAMP, STOP RH
L	LAMP, BACK-UP LH
L	LAMP, BACK-UP RH
L	LAMP, STROBO
DAD	DIODE, ABSORBER, DRIVE
RAD	RESISTER, ABSORBER, DRIVE
CAD	CAPACITOR, ABSORBER, DRIVE
MF	CONTACTOR, FORWARD
MR	CONTACTOR, REVERSE
F	FAN, CONTROL UNIT
R	RESISTOR, FAN
R	RESISTOR, ACCEL
PBSG	PRINT BOARD, SG

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