SERVICE MANUAL

E385C

Hino Diesel Engine J08E-TM

Supplement to Service Manual 47374920A

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NEW HOLLAND CONSTRUCTION

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ENGINE

(HINO DIESEL ENGINE J08E-TM)

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1 GENERAL

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Starting and Charging

Special tool

JP300020300010000

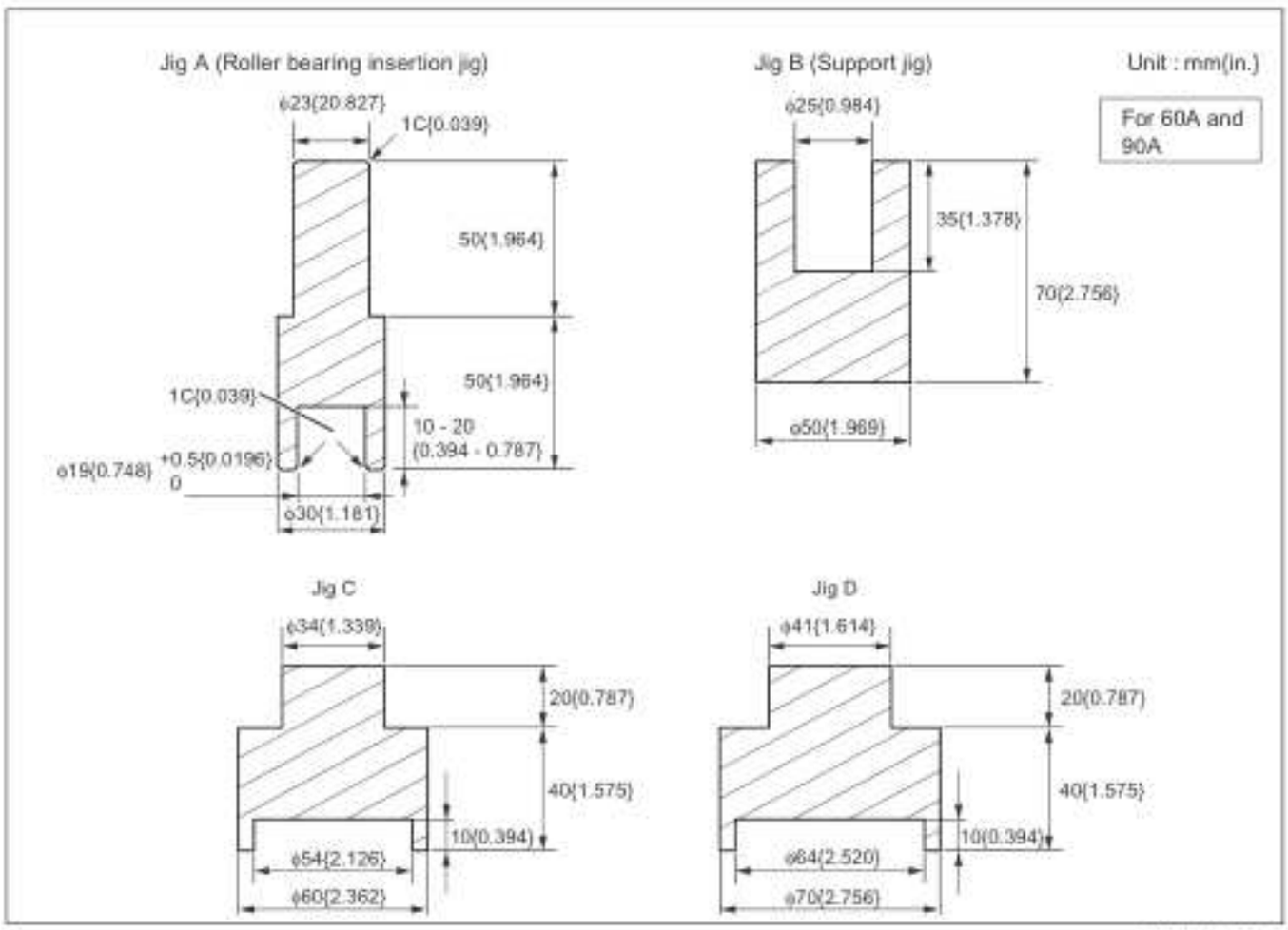
Alternator

Shape	Part No.	Name	Remark
	380100042	Compression gauge	For V–belt tension adjustment
	380100043	Belt tension gauge	For V–belt tension adjustment

Jig (reference dimensional drawing for manufacture)

JP300020300010000

This is used for assembly of bearing. Reference dimensions are shown in the figures below:



SAPH300020300034

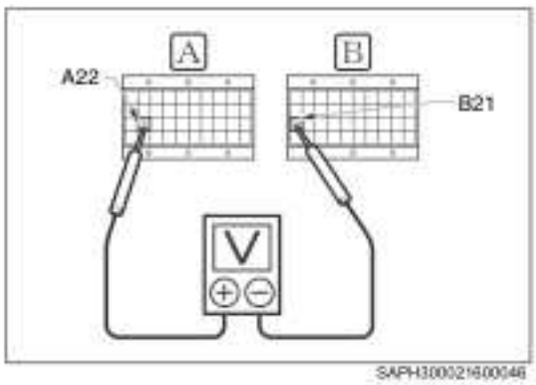
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Accelerator sensor 2 malfunction (DTC code P2127, P2128/diagnosis monitor code 22)

JP300021606010020

DTC	P2127	Accelerator sensor circuit 2 low voltage
DTC	P2128	Accelerator sensor circuit 2 high voltage

1	Measurement of voltage between terminals



SAPH300021600046

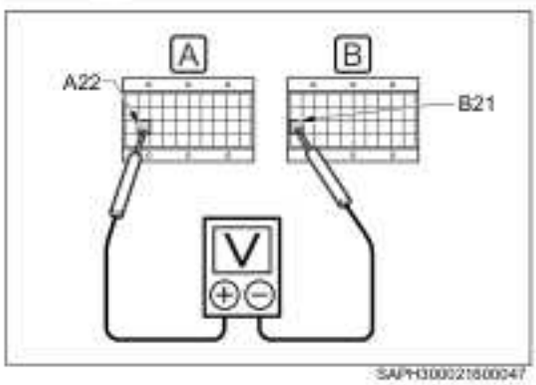
1. Set the starter key to "LOCK" and connect the signal check harness.
2. Set the starter key to "ON" and measure the voltage between terminal A22 and terminal B21 of the signal check harness.

Standard value : 0.7 V or less (idle status)

NG → Accelerator sensor failure

OK

2	Measurement of voltage between terminals



SAPH300021600047

1. While depressing the accelerator pedal, measure the voltage between terminal A22 and terminal B21 of the signal check harness.

Standard value
: Voltage must change in proportion to depression of the accelerator pedal at 1.0 V or more.

NG → Accelerator sensor failure

OK

Harness failure

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EGR valve 1 stick (DTC code P0404/diagnosis monitor code 88)

JP300021606010 31

1	Inspection with PC



SAPH300021600004

1. After display of failure code, check EGR with the failure diagnosis tool (HINO field support system) using PC.
2. Connect the failure diagnosis tool (HINO field support system) using PC and set the starter key to "ON".
3. Make sure that there are no EGR solenoid valve 1 failure (DTC code P0489, P0490) and EGR lift sensor 1 failure (DTC code P0405, P0406).
4. Make sure that the actual opening follows the opening indicated on the EGR inspection screen.

Standard value : Within 5 % error

NG → EGR failure

OK

Normal

Reference : 3-6, Failure diagnosis using DST-1, Engine ECU, Engine diagnosis code

EGR valve 2 stick (DTC code P1401/diagnosis monitor code 89)

JP300021606010 32

1	Inspection with PC



SAPH300021600004

1. After display of failure code, check EGR with the failure diagnosis tool (HINO field support system) using PC.
2. Connect the failure diagnosis tool (HINO field support system) using PC and set the starter key to "ON".
3. Make sure that there are no EGR solenoid valve 2 failure (DTC code P1402, P1403) and EGR lift sensor 2 failure (DTC code P0407, P0408).
4. Make sure that the actual opening follows the opening indicated on the EGR inspection screen.

Standard value : Within 5 % error

NG → EGR failure

OK

Normal

Reference : 3-6, Failure diagnosis using DST-1, Engine ECU, Engine diagnosis code

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