CEBM000601

Shop Manual

KOMATSU®

S6D114E-1
SA6D114E-1
SAA6D114E-1

SERIES ENGINE

SERIAL NUMBERS **45241940** and up

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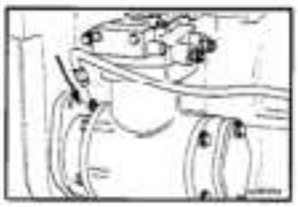
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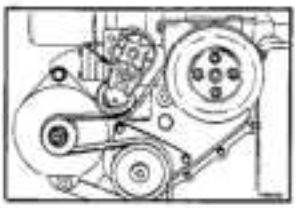
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Component or Assembly (Procedure)	Ref.No./Steps	Metric		U.S.
 **Air Compressor Oil Supply Hose Connection**		15 N•m		12 ft-lb
 **Air Compressor Coolant Line Connection**		35 N•m		26 ft-lb



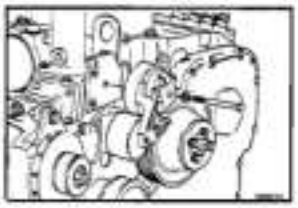
Electrical System Specifications

Drive Belt Engine has an automatic belt tensioner, no adjustment necessary.	360 N	MIN	80 lbf
	490 N	MAX	100 lbf

Battery State of Charge	Specific Gravity @ 27°C [80°F]
100%	1.260-1.280
75%	1.230-1.250
50%	1.200-1.220
25%	1.170-1.190
Discharged	1.110-1.130

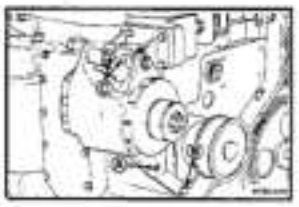
Batteries

Specific Gravity at 27°C [180°F]	State of Charge
1.260 to 1.280	100%
1.230 to 1.250	75%
1.200 to 1.220	50%
1.170 to 1.190	25%
1.110 to 1.130	Discharged

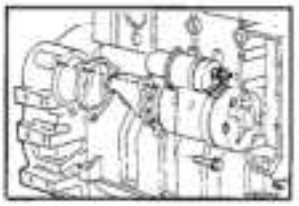


Electrical System Torque Values

Belt Tensioner Capscrew		44 N•m	32 ft-lb



Alternator Mounting			
M10 Capscrew	A	44 N•m	32 ft-lb
Lower Support Bracket			
M8 Capscrew	B	24 N•m	18 ft-lb
M10 Capscrew		44 N•m	32 ft-lb
Mounting Capscrews	C	77 N•m	57 ft-lb



Starting Motor Mounting Capscrew		77 N•m	57 ft-lb

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Oil Consumption

ACCEPTABLE OIL USAGE									
ANY TIME DURING COVERAGE PERIOD									
ENGINE FAMILY	HRS PER QUART	HRS PER LITER	HRS PER IMPERIAL QUART	MILES PER QUART	MILES PER LITER	MILES PER IMPERIAL QUART	KILOM PER QUART	KILOM PER LITER	KILOM PER IMPERIAL QUART
6D114E-1 SERIES	10.0	10.6	12.0	400	425	475	650	675	775

Engine Lubricating Oil Consumption Report				
Owner's Name	Date of Delivery Month Day Year		Engine Serial No.	
Address	Equipment Manufacturer		Engine Model & I/P	
City State/Province Zip	Equipment Serial No.		Fuel Pump Serial No.	
Engine Application (Describe)	Oil & Filter Change Interval: Oil	Filters	Complaint Originally Registered: Date	Mile-Hours-Kilometers
Lubricating Oil Added				
Date Added Oil	Engine Operation Miles-Hours-Kilometers	Quarts - Liters Oil Added	Brand & Viscosity of Oil Used	
Start Test				
Last Mileage/Hours/Kilometer	Minus Start Mileage/Hours/Kilometers			
Equals Test Mileage/Hours/Kilometers	Divided By Oil Added			
Equals Usage Rate				
Customer's Signature	Dealer	Distributor		

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