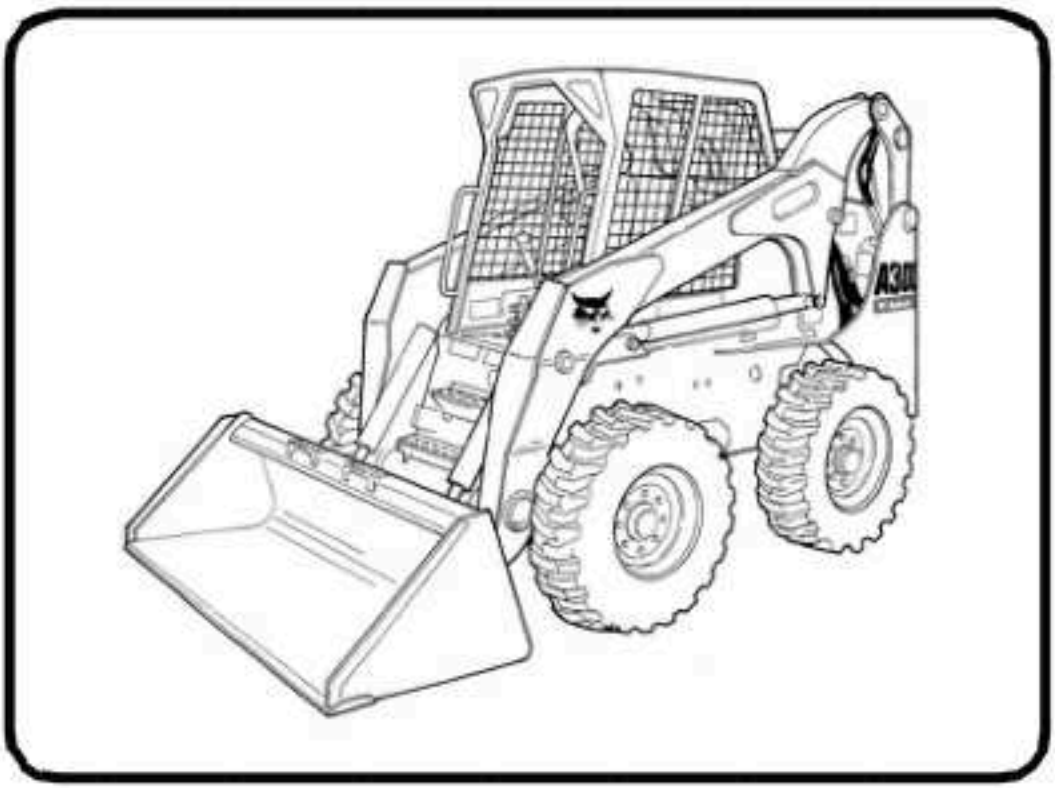
Bobcat®

Service Manual
A300 All-Wheel Steer

S/N A5GW20001 & Above
S/N A5GY20001 & Above



EQUIPPED WITH
BOBCAT INTERLOCK
CONTROL SYSTEM (BICS™)

6987047 (11-10)

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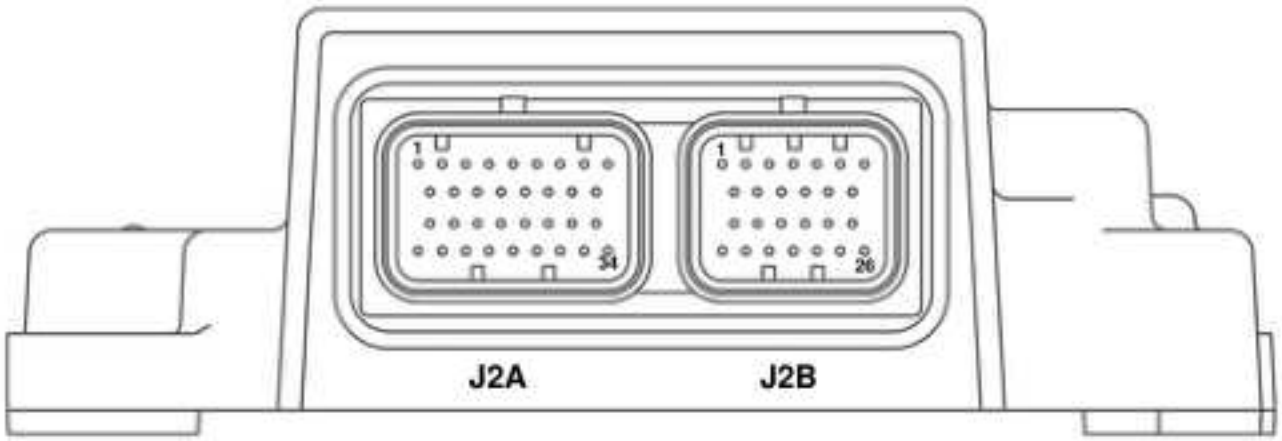
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Connector Identification (Cont'd)

Auxiliary Controller



Harness Connector View



Harness Connector View

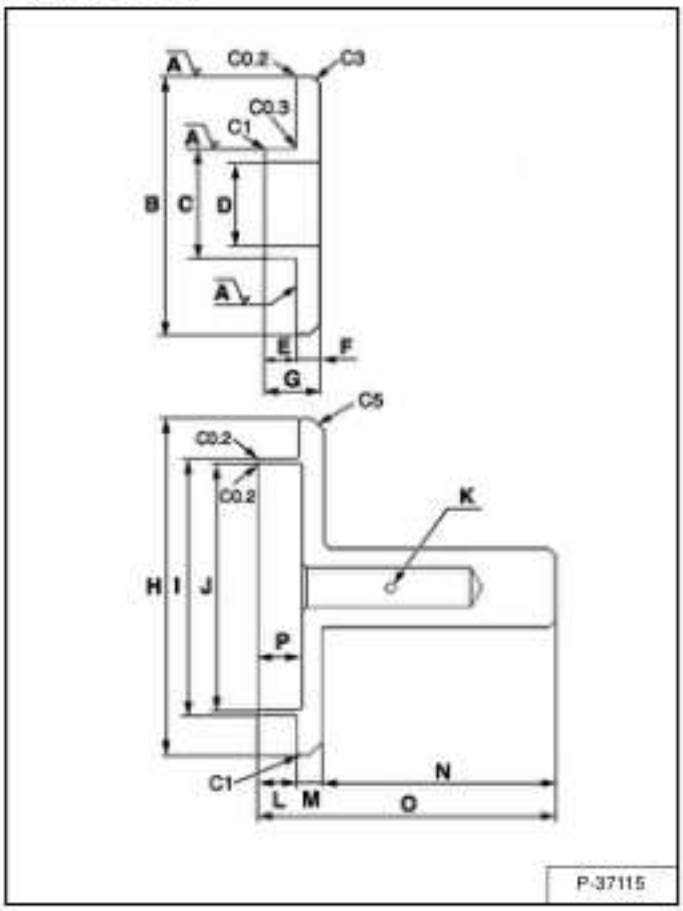


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Crankshaft And Bearings - Servicing (Cont'd)

Figure 70-90-38



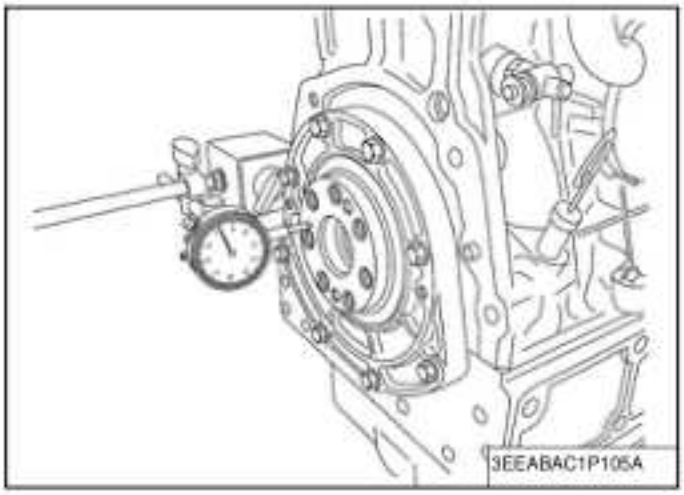
Auxiliary Socket For Fixing Crankshaft Sleeve

Application: Use to fix the crankshaft sleeve of the diesel engine.

A	Rmax = 12.5 S
B	3.7205 - 3.7402 in. (94,5 - 95,0 mm)
C	1.5748 in. (40 mm)
D	1.1811 in. (30 mm)
E	0.4724 in. (12 mm)
F	0.3110 - 0.3189 in. (7,9 - 8,1 mm)
G	0.0787 in. (20 mm)
H	5.1181 in. (130 mm)
I	3.9134 - 3.9213 in. (99,4 - 99,6 mm)
J	3.7421 - 3.7480 in. (95,05 - 95,20 mm)
K	0.1181 in. dia. (3 mm dia.)
L	0.5905 in. (15 mm)
M	0.3937 in. (10 mm)
N	3.5433 in. (90 mm)
O	4.5275 in. (115 mm)
P	0.6654 - 0.6732 in. (16,9 - 17,1 mm)
C1	Chamfer 0.039 in. (1,0 mm)
C3	Chamfer 0.1181 in. (3,0 mm)
C5	Chamfer 0.1969 in. (5,0 mm)
C0.2	Chamfer 0.0079 in. (0,2 mm)
C0.3	Chamfer 0.0118 in. (0,3 mm)

Crankshaft Side Clearance

Figure 70-90-39



Set a dial indicator with its tip on the end of the crankshaft **[Figure 70-90-39]**.

Measure the side clearance by moving the crankshaft to the front and rear.

Crankshaft side clearance	Factory spec.	0.0059 - 0.012 in. (0,15 - 0,31 mm)
	Allowable limit	0.020 in. (0,50 mm)

If the measurement exceeds the allowable limit, replace the thrust bearings.

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Gauge Pressure Related Troubleshooting (Cont'd)

Possible Cause	Inspection	Solution
High pressure side Too low.		
1. Low refrigerant charge.	The high side pressure will be low and bubbles may be present in sight glass on receive drier.	Repair any leaks and recharge the refrigerant to the correct level.
System pressures Equal		
1. Clutch not operating.	See magnetic clutch related topics above.	
2. Compressor not pumping.	Equal high and low pressures.	Replace compressor.

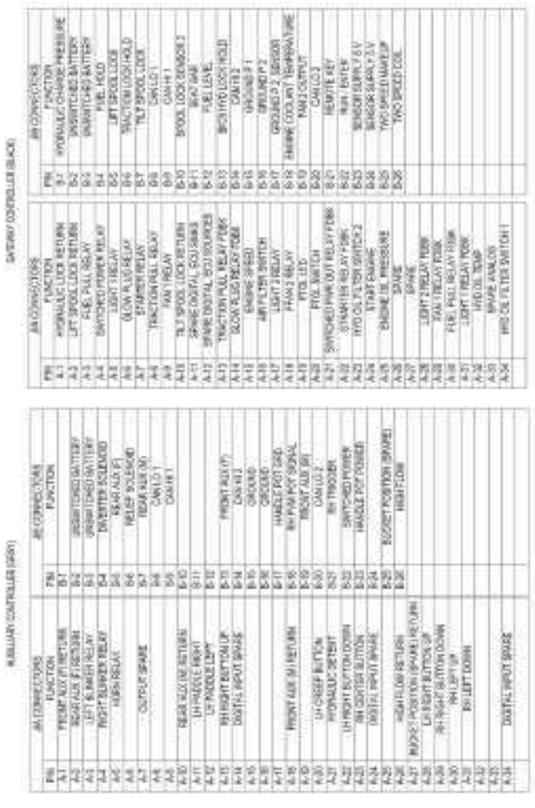
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WIRING SCHEMATIC
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A300 (S/N A5GW20001 AND ABOVE)
(S/N A5GY20001 AND ABOVE)

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