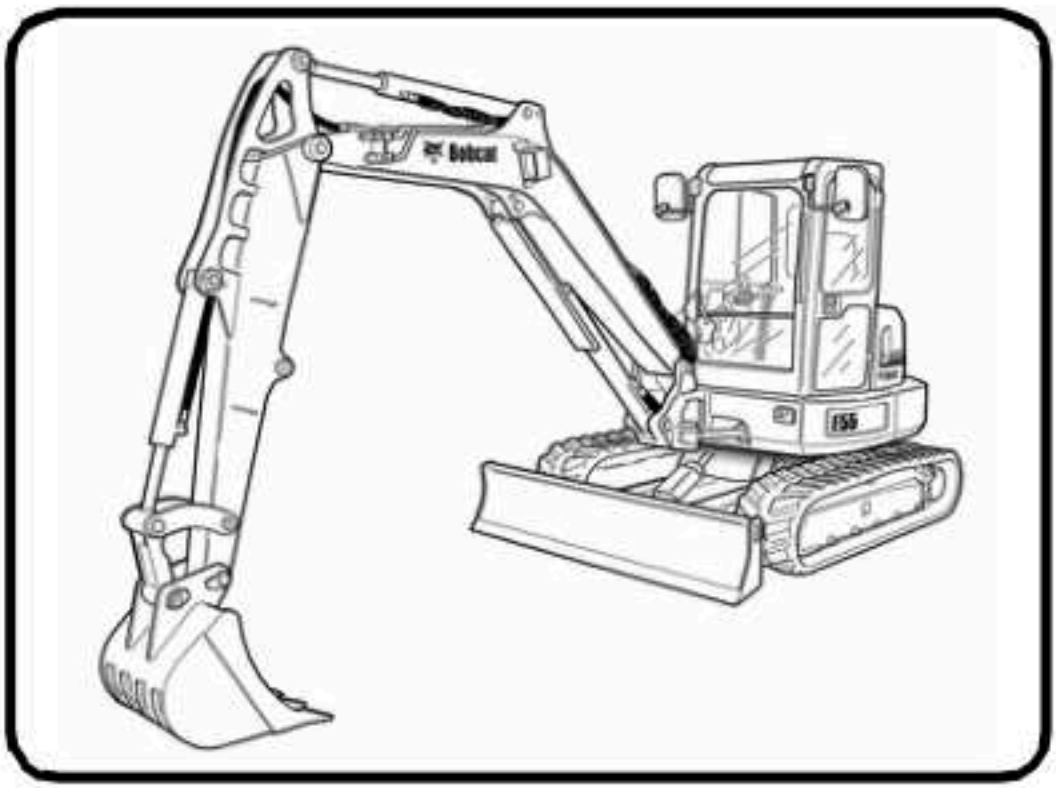
Bobcat®

Service Manual
E55 Compact Excavator

S/N ARWM11001 & Above
S/N ASW311001 & Above



6990093 (6-11)

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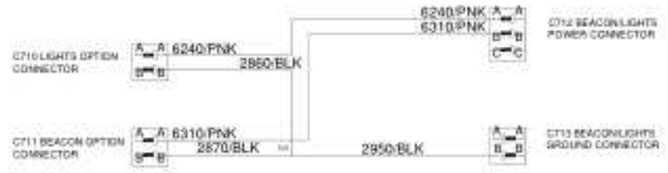
Troubleshooting The Travel Circuit

PROBLEM	CAUSE	CORRECTION
Travel system inoperable	Lever linkage incorrectly adjusted	Readjust
	Track tension too tight	Readjust
	Defective pump	Check, repair or replace
	Travel motor counter balance spool sticking	Repair or replace
	Travel motor internal leakage excessive	Repair or replace
	Travel motor defective	Repair or replace
	Travel motor gears defective	Repair or replace
	Swivel joint defective	Repair or replace
	Load Sense relief valve pressure too low	Readjust or replace
Travel power	Track tension too tight	Readjust
	Load Sense relief valve pressure too low	Readjust or replace
	Swivel joint leaking	Repair or replace
	Travel motor counterbalance spool sticking	Repair or replace
	Lever linkage incorrectly adjusted	Readjust
Speed too slow	Swivel joint internal leakage excessive	Repair or replace
	Control valve internal leakage excessive	Repair or replace
	Low pump pressure	Check, repair or replace
	Travel motor internal leakage excessive	Repair or replace
Travel motor seal leakage	Return line filter plugged	Inspect, clean or replace
Machine not running straight	Lever linkage incorrectly adjusted	Readjust
	Track tension not equal	Readjust
	Pump output not equal	Repair or replace
	Travel motor internal leakage not equal	Repair or replace
	Travel motor counterbalance spool sticking	Repair or replace
	Load Sense Main relief valve pressure set too low	Repair or replace
	Swivel joint internal leakage excessive	Repair or replace
	Control valve internal leakage not equal	Repair or replace
Machine will not hold on slope or while digging	Travel motor counterbalance valve leakage excessive	Repair or replace
	Hose damage	Replace
Blade drops while machine is moving	Lever linkage unaligned	Readjust
	Cylinder internal leakage excessive	Repair or replace
	Control valve internal leakage excessive	Repair or replace
	Swivel joint internal leakage from travel motor pressure circuit into blade cylinder circuit	Repair or replace
High / low shift inoperative (2-speed)	Control valve defective	Replace
	Low pressure to 2-speed valve	Readjust

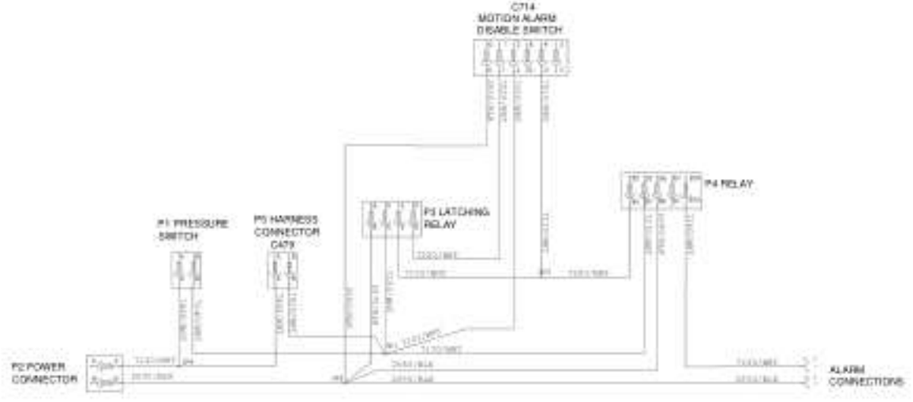
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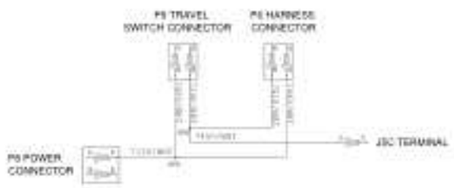
7156895 HARNESS AC CLUTCH



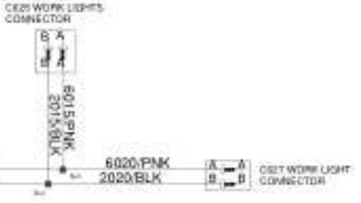
7172977 HARNESS CANOPY LIB



7205890 HARNESS MOTION ALARM



7205884 HARNESS AUTOSHIFT



7156849 HARNESS LIGHT



7170512 HARNESS LIGHT REAR



7172972 HARNESS BEACON/STROBE

WIRING SCHEMATIC
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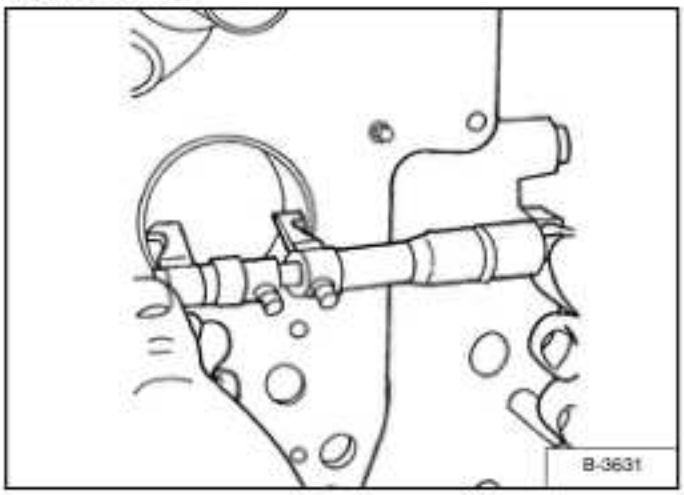
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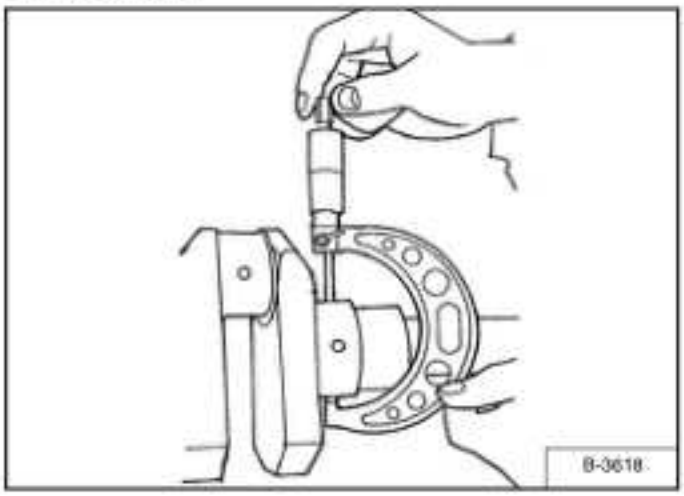
Crankshaft And Bearings - Servicing (Cont'd)

Figure 60-90-30



Measure the I.D. of the No. 1 crankshaft bearing **[Figure 60-90-30]**.

Figure 60-90-31



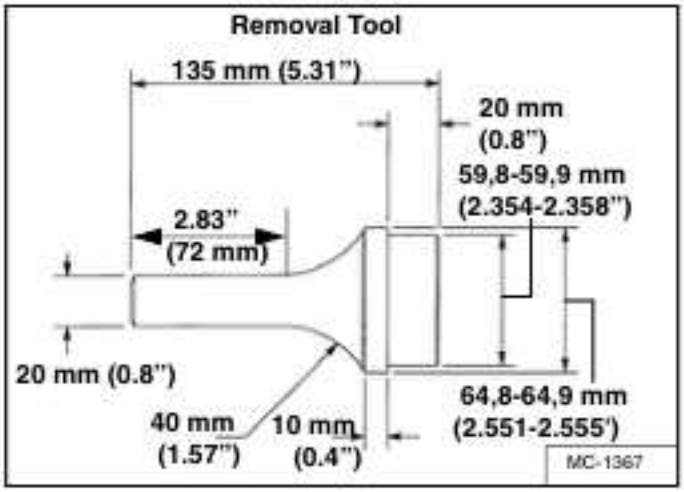
Measure the O.D. of the crankshaft journal **[Figure 60-90-31]**.

Calculate the oil clearance.

If the clearance exceeds the allowable limit, replace the crankshaft bearing.

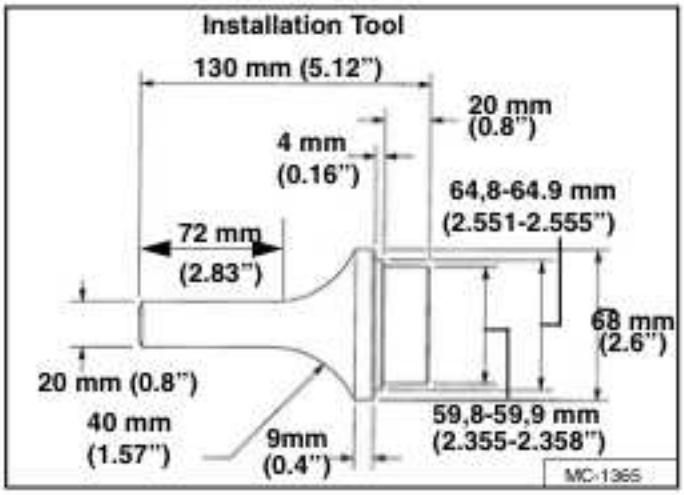
Bearing I.D.	59,98 - 60,039 mm (2.3615 - 2.3631 in)
Crankshaft Journal O.D.	59,921 - 59,94 mm (2.3591 - 2.3598 in)
Oil Clearance	0,04 - 0,118 mm (0.0016 - 0.0046 in)
Allowable Limit	0,20 mm (0.0079 in)

Figure 60-90-32



To remove the front bearing make the tool as shown in **[Figure 60-90-32]**.

Figure 60-90-33



To install the front bearing make the tool as shown in **[Figure 60-90-33]**.

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HYDRAULIC / HYDROSTATIC SCHEMATIC
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