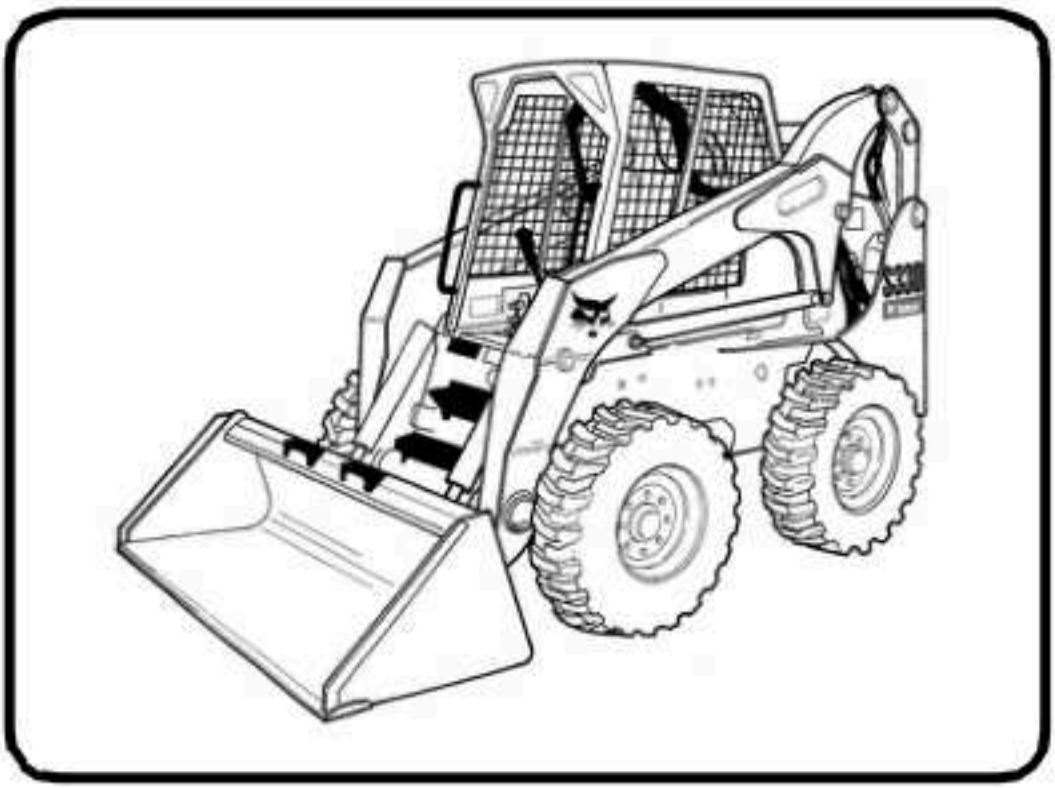
Bobcat®

Service Manual
S330 Skid-Steer Loader

S/N A5HA11001 & Above
S/N AAKM11001 & Above



EQUIPPED WITH
BOBCAT INTERLOCK
CONTROL SYSTEM (BICS™)

6987040 (7-08)

Printed in U.S.A.

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REMOTE START TOOL (SERVICE TOOL) KIT - 6689779

Description

The Remote Start Tool (Service Tool) Kit is a replacement tool for MEL 1563 Remote Start Tool and MEL 1400B - BOSS® Diagnostic Tool.

The Remote Start Tool (Service Tool) Kit, P/N 6689779, can be used to service older loaders with the BOSS® system using the supplied BOSS® Service Tool Harness P/N 6689745.

The Remote Start Tool (Service Tool) Kit, P/N 6689779, can be used to service newer loaders using the supplied harness P/N 6689747.

A computer can be connected to the Remote Start Tool (Service Tool) for diagnostics and software updates using the computer harness P/N 6689746 in conjunction with the loader harness.

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Troubleshooting

Please refer to Bobcat Advanced Troubleshooting System (B.A.T.S.) for troubleshooting information. It is recommended that these procedures be done by authorized Bobcat Service Personnel only.

⚠ WARNING

Check for correct function after adjustments, repairs or service. Failure to make correct repairs or adjustments can cause injury or death.

W-2004-1285

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Specifications (Cont'd)

All dimensions are given in inches. Respective metric dimensions are given in millimeters enclosed by parentheses.

Valve Timing

Intake Valve - Open	14 degree B.T.D.C. (0,24 rad.)
Closed	36 degree A.B.D.C. (0,63 rad.)
Exhaust Valve - Open	45 degree B.B.D.C. (0,76 rad.)
Closed	17 degree A.T.D.C. (0,29 rad.)

Rocker Arm

Clearance Between Valve Arm Bridge And Valve Arm Bridge Shaft	0.00071 - 0.0016 in. (0,018 - 0,042 mm)
Allowable Limit	0.0059 in. (0,15 mm)
Valve Arm Bridge I.D.	0.3563 - 0.3568 in. (9,050 - 9,065 mm)
Valve Arm Bridge Shaft O.D.	0.3552 - 0.3555 in. (9,023 - 9,032 mm)
Clearance Between Rocker Arm Shaft And Rocker Arm	0.00063 - 0.0017 in. (0,016 - 0,045 mm)
Allowable Limit	0.0059 in. (0,15 mm)
Rocker Arm Shaft O.D.	0.62886 - 0.62929 in. (15,973 - 15,984 mm)
Rocker Arm I.D. For Shaft	0.62993 - 0.63062 in. (16,000 - 16,018 mm)

Camshaft

Camshaft Side Clearance	0.0028 - 0.0086 in. (0,07 - 0,22 mm)
Allowable Limit	0.012 in. (0,3 mm)
Camshaft Alignment Allowable Limit	0.0004 in. (0,01 mm)
Cam Height (Intake)	1.481 in. (37,63 mm)
Allowable Limit	1.462 in. (37,13 mm)
Cam Height (Exhaust)	1.534 in. (38,96 mm)
Allowable Limit	1.514 in. (38,46 mm)
Oil Clearance of Camshaft	0.0020 - 0.0035 in. (0,050 - 0,091 mm)
Allowable Limit	0.0059 in. (0,15 mm)
Camshaft Journal O.D.	1.8085 - 1.8090 in. (45,934 - 45,950 mm)
Camshaft Bearing I.D.	1.8110 - 1.8120 in. (46,000 - 46,025 mm)

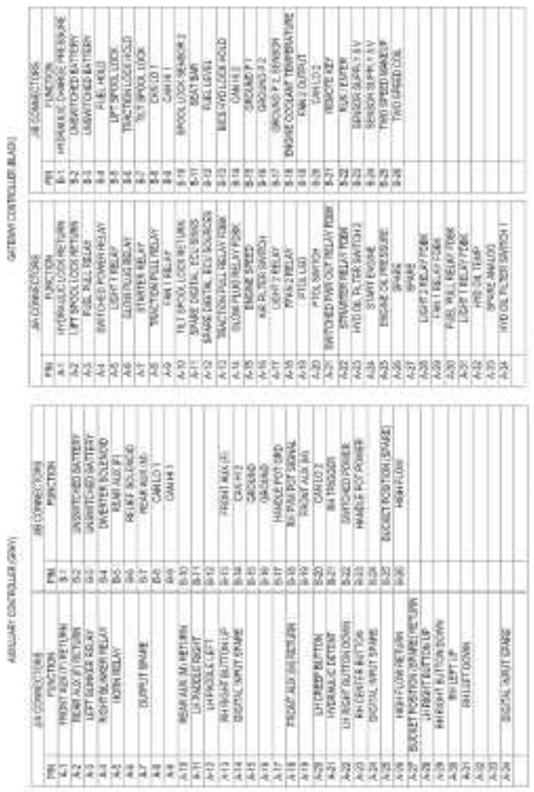
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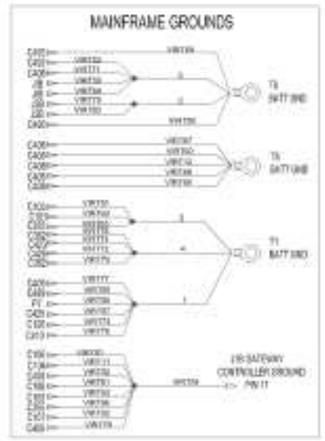
WIRING SCHEMATIC
MAINFRAME
S330 (S/N A5HA11001 AND ABOVE)
(S/N AAKM11001 AND ABOVE)

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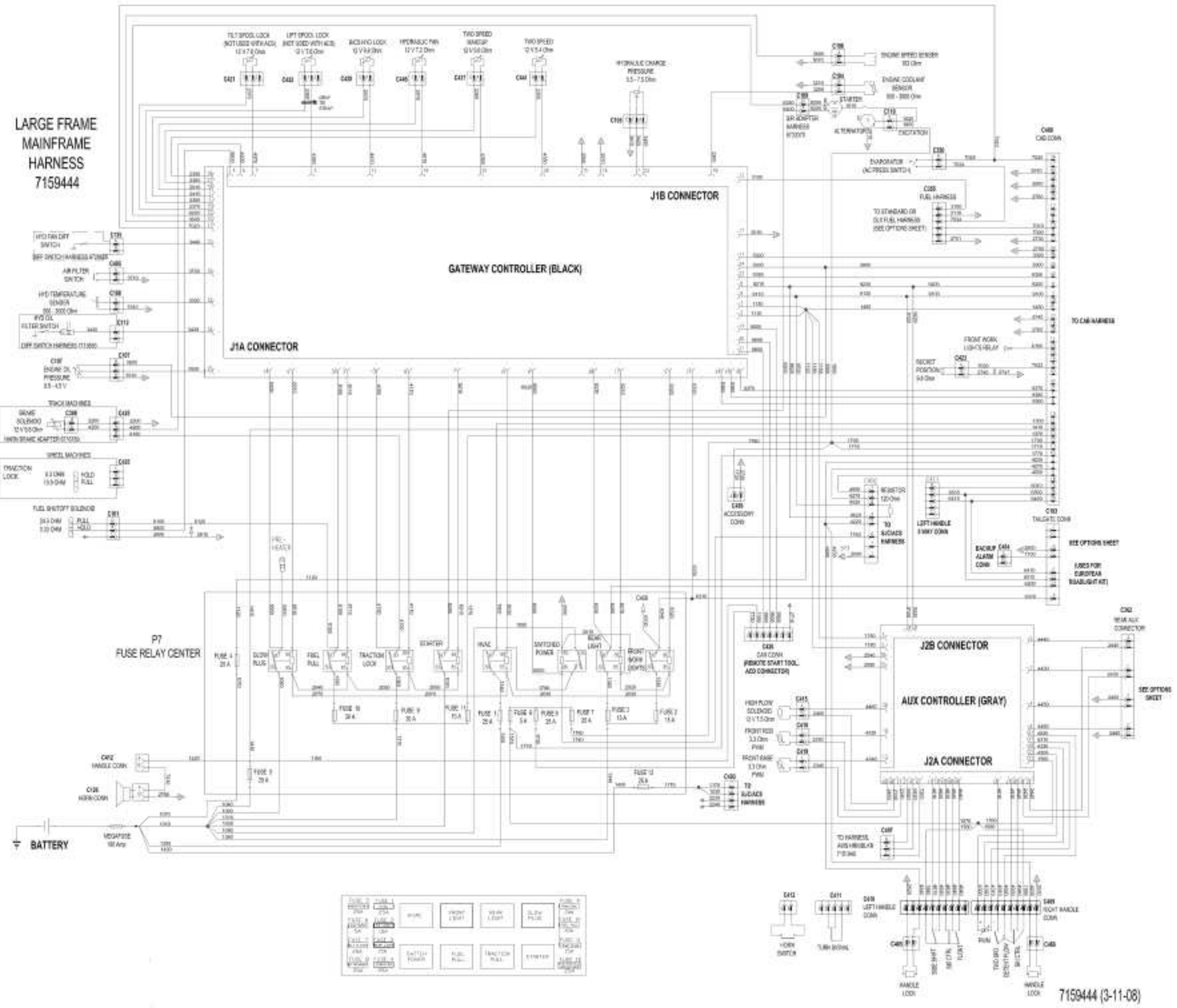
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