

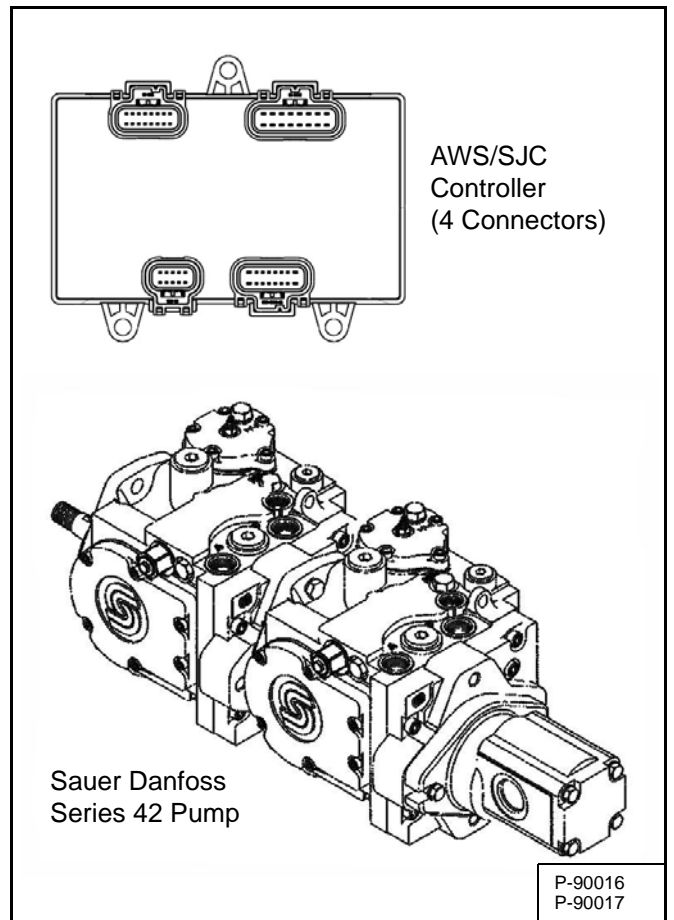
# Service Letter

**SL:** 5239  
**Date:** 6 November 2008  
**Product:** Loader  
**Subject:** Improvements to First Generation Joystick Control

MODEL	SERIAL NUMBER
A220	519611001 & Above 519711001 & Above
A300	521111001 & Above 523411001 & Above 526411001 & Above 526511001 & Above
S220	526211001 & Above 526311001 & Above 523211001 & Above 523311001 & Above
S250	521311001 & Above 521411240 & Above 526011001 & Above 526111001 & Above
S300	521511001 & Above 521611001 & Above 525811001 & Above 525911001 & Above
T250	523011001 & Above 523111001 & Above 525611001 & Above 525711001 & Above
T300	521911001 & Above 525411001 & Above 525511001 & Above

This Service Letter pertains to all first generation All Wheel Steer (AWS) loaders and loaders equipped with the Selectable Joystick Control (SJC) option with serial numbers listed above. No first generation small or medium frame AWS or SJC loaders were built.

Figure 1



**[Figure 1]** First generation AWS and SJC design uses an “AWS/SJC Controller” and a Sauer Danfoss Series 42 hydrostatic pump. This is another way to identify a first generation loader.

Since introduction of AWS in December 2001 and SJC in July 2003 a number of design improvements have been introduced. Many of these improvements are backwards compatible.

With the introduction of Service Analyzer version 70 software, the following improvements have been made to first generation AWS and SJC machines.

1. Steering Drift Compensation feature is added.
2. Speed Management feature is enhanced.
3. Controller programmed error code 38-97 is added.
4. Actuator calibration failed error code 38-03 is added.
5. Pump calibration procedure is changed to be similar to calibration of second generation Drive and Drive Plus controllers.
6. Actuator control is optimized for best operating performance.
7. Actuator binding test in Service Analyzer is optimized to eliminate time outs.
8. Fewer actuator reduced performance errors are generated. This is a stored error code shown only in Service Analyzer.

***When replacing an actuator on first generation AWS and SJC machines, always upgrade to version 70 (or above) software.***

The Loader Operation Manual Supplement (See Service Letter 5233) is revised. First generation service manuals will be revised.

The enhancements listed above were introduced with or have already been added to second generation AWS and SJC machines. Second generation AWS and SJC was introduced on large frame loaders with the start of K-Series in November 2005. All small and medium frame SJC loaders are second generation.

***Because of significant differences between first and second generation design, the Drive Response feature recently released for second generation will NOT be available for first generation machines.***

For more information on this subject, see the following Service Letters.

1. SL 5119 Actuator and Valve Spool Diagnostics
2. SL 5167 New Joystick Control Design and Joystick Service Kit.
3. SL 5233 Features Added or Enhanced by Software Revisions

This letter is provided as technical information. No warranty coverage is provided to upgrade software.

