IP-78 Error codes 11, 12, 21, 22 (pg 1 of 6) EC-11: Z boom failed home EC-21: Z boom missing steps EC-12: R boom failed home EC-22: R boom missing steps Start Perform Boom Problem Νo Problem Nο Ensure that Probe is Cal (VP-8). resolved intermittent not bent left or right. Yes Yes No Problem Reseat Boom Normal operation resolved Replace Boom Assy Arm securely. (RR-3.9), then Motor NOTE: When a component is Yes Driver Bd (RR-8.5), replaced and that does not Perform Boom then Digital I/O Bd resolve the problem, re-install Normal

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operation

that component before

proceeding.

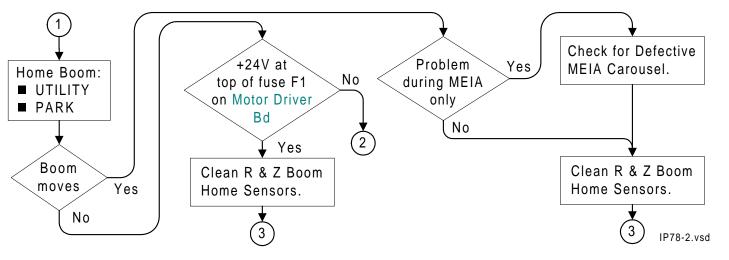
Lubrication (VP-6).

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(RR-7.10).

IP78-1.vsd

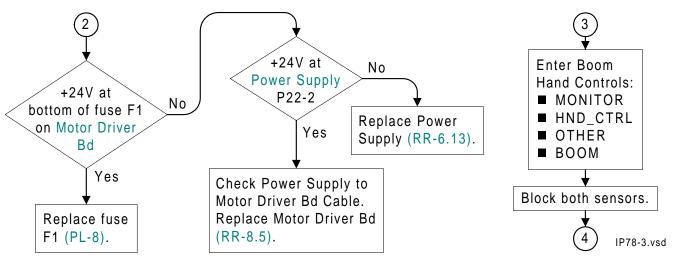
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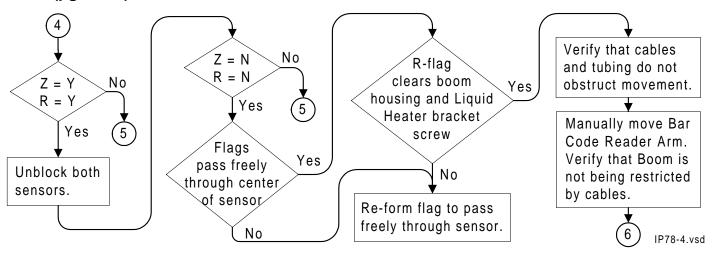
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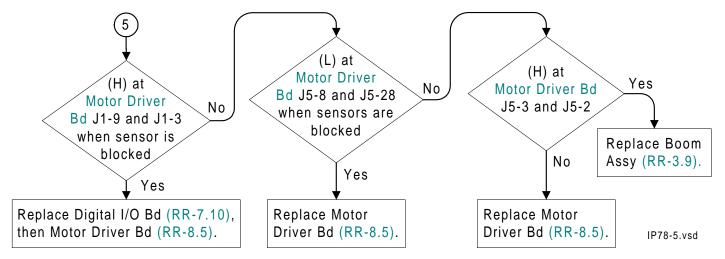
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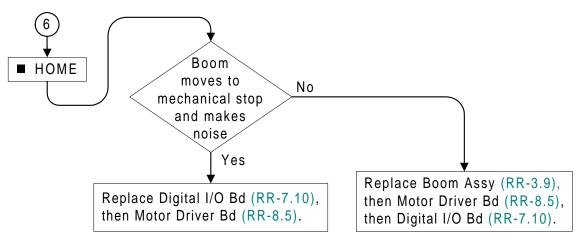
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