

Power Technology Southeast, Inc.  
634 State Road 44  
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Office: (352) 365-2777  
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<b>FLAT RATE LABOR GUIDE PTS-8-12CSI</b>		<b>Removed from Chassis</b>	<b>IN-CHASSIS SERVICE ACCESSIBILITY CODES</b>				
<b>Procedure Number / Description</b>		<b>R</b>	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>S</b>
<b>018-001</b>	<b>Air Filter Replacement 8-12CSI</b>	0.25hrs	0.25hrs	0.25hrs	0.25hrs	0.25hrs	0.25hrs
Includes: Remove and Install Service Door Panel 8CSI Bottom Access Cover 12CSI							
<b>018-002</b>	<b>Air Intake Hose R&amp;R 8-12CSI</b>	0.25hrs	0.5hrs	1.0hrs	0.5hrs	0.25hrs	0.25hrs
Includes: Remove and Install Enclosure Top Panel Side Louvered Panel							
<b>028-001</b>	<b>Internal Muffler Replacement 8-12CSI</b>	0.75hrs	1.0hrs	2.0hrs	1.0hrs	1.0hrs	1.0hrs
Includes: Remove and Install Enclosure Top Panel Non-Service Side Panel							
<b>028-002</b>	<b>Internal Exhaust Pipe Replacement 8-12CSI</b>	1.0hrs	1.25hrs	2.25hrs	1.25hrs	1.25hrs	1.25hrs
Includes: Remove and Install Enclosure Top Panel Non-Service Side Panel Internal Muffler as needed Test Run Unit							
<b>038-001</b>	<b>Radiator Replacement 8-12CSI</b>	1.0hrs	1.5hrs	2.5hrs	1.5hrs	1.5hrs	1.5hrs
Includes: Remove and Install Enclosure Top Panel Non-Service Side Panel Front Grille Panel Upper / Lower Hoses Drain / Refill Coolant Test Run Unit							
<b>038-002</b>	<b>Lower Radiator Hose Replacement 8-12CSI</b>	0.75hrs	1.0hrs	1.5hrs	1.25hrs	1.25hrs	1.25hrs
Includes: Drain / Refill Coolant Non-Service Side Panel Test Run Unit							
<b>038-003</b>	<b>Upper Radiator Hose Replacement 8-12CSI</b>	0.75hrs	1.0hrs	1.5hrs	1.25hrs	1.25hrs	1.25hrs
Includes: Drain / Refill Coolant Non-Service Side Panel Enclosure Top Panel Test Run Unit							
<b>038-004</b>	<b>Fan Belts Replacement 8CSI</b>	1.5hrs	2.0hrs	2.5hrs	2.25hrs	2.0hrs	2.0hrs
Includes: Remove and Install Service Door Panel Enclosure Top Panel Fan Shroud bolts Test Run Unit							
<b>0312-004</b>	<b>Fan Belt Replacement 12CSI</b>	1.5hrs	2.0hrs	2.5hrs	2.25hrs	2.0hrs	2.0hrs
Includes: Remove and Install Service Door Panel Enclosure Top Panel Fan Shroud bolts Test Run Unit							

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		A	B	C	D	S
<b>038-005 Cooling Fan Replacement 8CSI</b> Includes: Remove and Install Service Door Panel Complete Enclosure Top Panel Test Run Unit	1.0hrs	1.5hrs	2.0hrs	1.5hrs	1.25hrs	1.25hrs
<b>0312-005 Cooling Fan Replacement 12CSI</b> Includes: Remove and Install Service Door Panel Complete Enclosure Top Panel Test Run Unit	1.0hrs	1.5hrs	2.0hrs	1.5hrs	1.25hrs	1.25hrs
<b>038-006 Fan Hub Pulley Replacement 8CSI</b> Includes: Remove and Install Service Door Panel Complete Enclosure Top Panel Blower Fan Test Run Unit	1.5hrs	2.0hrs	2.5hrs	2.25hrs	2.0hrs	2.0hrs
<b>0312-006 Fan Hub Spacer Replacement 12CSI</b> Includes: Remove and Install Service Door Panel Complete Enclosure Top Panel Blower Fan Test Run Unit	1.5hrs	2.0hrs	2.5hrs	2.25hrs	2.0hrs	2.0hrs
<b>038-007 Radiator Fill Neck Replacement 8-12CSI</b> Includes: Remove and Install Service Door Panel Enclosure Top Panel Drain / Fill coolant 1/2 Amount Test Run Unit	0.25hrs	0.25hrs	0.5hrs	0.25hrs	0.25hrs	0.25hrs
<b>038-008 Coolant Recovery Tank Replace 8-12CSI</b> Includes: Remove and Install Rear Enclosure Panel Drain / Fill Recovery Tank Test Run Unit	0.25hrs	0.5hrs	0.75hrs	0.5hrs	0.5hrs	0.5hrs
<b>048-001 Fuel Pump Replacement 8-12CSI</b> Includes: Disconnect and Connect Positive / Negative Wires Fuel Lines Test Run Unit	0.25hrs	0.25hrs	0.5hrs	0.25hrs	0.25hrs	0.25hrs
<b>048-002 Base Pan Barbs Outer Replacement 8-12CSI</b> Includes: Remove and Install Fuel Lines Test Run Unit	0.25hrs	0.25hrs	0.5hrs	0.25hrs	0.25hrs	0.25hrs
<b>048-003 Base Pan Barbs Inner Replacement 8-12CSI</b> Includes: Remove and Install Service Door Panel Complete Fan Shroud Bolts Test Run Unit	0.75hrs	1.0hrs	1.5hrs	1.0hrs	1.0hrs	1.0hrs

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Procedure Number / Description			R	A	B	C	D
<b>048-004</b>	<b>Fuel Solinoid Replacement 8-CSI</b>	0.25hrs	0.25hrs	0.75hrs	0.25hrs	0.25hrs	0.25hrs
Includes: Remove and Install Service Door Panel Solinoid Wiring Test Run Unit							
<b>0412-004</b>	<b>Fuel Actuator Replacement 12-CSI</b>	0.25hrs	0.25hrs	0.75hrs	0.25hrs	0.25hrs	0.25hrs
Includes: Remove and Install Service Door Panel Actuator Wiring Test Run Unit							
<b>058-001</b>	<b>Starter Replacement 8-CSI</b>	0.75hrs	1.5hrs	2.0hrs	1.5hrs	1.5hrs	1.5hrs
Includes: Remove and Install Non-Service Side Panel Starter Wiring Test Run Unit							
<b>0512-001</b>	<b>Starter Replacement 12-CSI</b>	0.75hrs	1.5hrs	2.0hrs	1.5hrs	1.5hrs	1.5hrs
Includes: Remove and Install Non-Service Side Panel Starter Wiring Test Run Unit							
<b>068-001</b>	<b>Positive Battery Cable Replacement 8-12CSI</b>	1.0hrs	1.5hrs	2.5hrs	1.5hrs	1.5hrs	1.5hrs
Includes: Remove and Install Non-Service Side Panel Fan Shroud Bolts Service Door Panel Test Run Unit							
<b>068-002</b>	<b>Negative Batt. Cable Replacement 8-12CSI</b>	0.75hrs	1.0hrs	1.5hrs	1.0hrs	1.0hrs	1.0hrs
Includes: Remove and Install Service Door Panel Complete Test Run Unit							
<b>068-003</b>	<b>Positive Battery Post Replacement 8-12CSI</b>	1.0hrs	1.5hrs	2.0hrs	1.0hrs	1.0hrs	1.0hrs
Includes: Remove and Install Service Door Panel Complete Test Run Unit							
<b>068-004</b>	<b>Negative Batt. Post Replacement 8-12CSI</b>	1.0hrs	1.5hrs	2.0hrs	1.0hrs	1.0hrs	1.0hrs
Includes: Remove and Install Service Door Panel Complete Test Run Unit							
<b>068-005</b>	<b>DC Recifier Replacement 8-12CSI</b>	0.25hrs	0.5hrs	0.75hrs	0.5hrs	0.25hrs	0.25hrs
Includes: Disconnect and Connect Wiring Test Run Unit							

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	R	A	B	C	D	S
<b>078-001 Voltage Regulator Replacement 8-12CSI</b> Includes: Remove and Install Control Box Cover Regulator Wiring Updates Voltage Setting Test Run Unit	0.5hrs	0.5hrs	0.75hrs	0.5hrs	0.5hrs	0.5hrs
<b>078-002 Generator Brush Replacement 8-12CSI</b> Includes: Remove and Install Rear Enclosure Panel Screen Voltage Setting Test Run Unit	0.75hrs	1.5hrs	2.5hrs	2.0hrs	2.0hrs	2.0hrs
<b>078-003 Main Circuit Breaker Replacement 8-12CSI</b> Includes: Remove and Install Control Box Cover Voltage Setting Test Run Unit	0.5hrs	0.5hrs	0.75hrs	0.5hrs	0.5hrs	0.5hrs
<b>078-004 Brush Fuse Holder Replacement 8-12CSI</b> Includes: Remove and Install Control Box Cover Voltage Setting Test Run Unit	0.5hrs	0.5hrs	0.75hrs	0.5hrs	0.5hrs	0.5hrs
<b>078-005 Generator Bearing Replacement 8-12CSI</b> Includes: Remove and Install Control Box Cover Generator Wiring Rear Enclosure Panel Screen Rear Mount Bolts Main Stator Voltage Setting Test Run Unit	1.5hrs	2.5hrs	3.5hrs	2.5hrs	2.5hrs	2.5hrs
<b>078-006 Generator Main Stator Replacement 8-12CSI</b> Includes: Remove and Install Control Box Cover Generator Wiring Rear Enclosure Panel Screen Rear Mount Bolts Main Stator Voltage Setting Test Run Unit	1.5hrs	2.5hrs	3.5hrs	2.5hrs	2.5hrs	2.5hrs
<b>078-007 Generator Main Rotor Replacement 8-12CSI</b> Includes: Remove and Install Control Box Cover Generator Wiring Rear Enclosure Panel Screen Rear Mount Bolts Main Stator Voltage Setting Test Run Unit	2.0hrs	3.0hrs	4.0hrs	3.0hrs	3.0hrs	3.0hrs

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<b>088-001</b>	<b>ECU-63 Replacement 8-12CSI</b>	0.5hrs	0.5hrs	1.0hrs	0.75hrs	0.75hrs	0.75hrs
Includes: Remove and Install Control Box Panel Wiring Test Run Unit							
<b>088-002</b>	<b>Start / Stop Switch Replacement 8-12CSI</b>	0.25hrs	0.25hrs	0.75hrs	0.5hrs	0.5hrs	0.5hrs
Includes: Remove and Install Control Box Panel Wiring Test Run Unit							
<b>088-003</b>	<b>Pre-Heat Switch Replacement 8-12CSI</b>	0.25hrs	0.25hrs	0.75hrs	0.5hrs	0.5hrs	0.5hrs
Includes: Remove and Install Control Box Panel Wiring Test Run Unit							
<b>088-004</b>	<b>Main On / Off Switch Replacement 8-12CSI</b>	0.25hrs	0.25hrs	0.75hrs	0.5hrs	0.5hrs	0.5hrs
Includes: Remove and Install Control Box Panel Wiring Test Run Unit							
<b>088-005</b>	<b>Hour Meter Replacement 8-12CSI</b>	0.25hrs	0.25hrs	0.75hrs	0.5hrs	0.5hrs	0.5hrs
Includes: Remove and Install Control Box Panel Wiring Test Run Unit							
<b>088-006</b>	<b>Engine Temp. Sender Replacement 8-12CSI</b>	0.75hrs	1.0hrs	2.0hrs	1.5hrs	1.0hrs	1.0hrs
Includes: Remove and Install Enclosure Top Panel Drain / Fill Coolant Test Run Unit							
<b>088-007</b>	<b>Engine Temp.Shutdown Replace 8-12CSI</b>	0.75hrs	1.0hrs	2.0hrs	1.5hrs	1.0hrs	1.0hrs
Includes: Remove and Install Enclosure Top Panel Drain / Fill Coolant Test Run Unit							
<b>088-008</b>	<b>Engine Oil Sender Replacement 8-12CSI</b>	0.25hrs	0.5hrs	1.0hrs	0.25hrs	0.25hrs	0.25hrs
Includes: Remove and Install Service Door Panel Test Run Unit							
<b>088-009</b>	<b>Engine Oil Shutdown Replacement 8-12CSI</b>	0.25hrs	0.5hrs	1.0hrs	0.25hrs	0.25hrs	0.25hrs
Includes: Remove and Install Service Door Panel Test Run Unit							
<b>0812-001</b>	<b>Mag Pick-up Replacement 12-CSI Only</b>	0.5hrs	0.75hrs	1.5hrs	0.75hrs	0.75hrs	0.75hrs
Includes: Remove and Install Service Door Panel Complete Wiring Test Run Unit							

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<b>Procedure Number / Description</b>		<b>R</b>	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>S</b>
<b>0812-002 Control Module Replacement 12-CSI Only</b>		0.5hrs	0.75hrs	1.25hrs	0.75hrs	0.75hrs	0.75hrs
Includes:	Remove and Install Control Box Panel Wiring Test Run Unit						
<b>098-001 Rear Oil Fill Plate Replacement 8-12CSI</b>		0.5hrs	1.0hrs	1.5hrs	1.0hrs	1.0hrs	1.0hrs
Includes:	Remove and Install Service Door Panel Fill Hose Test Run Unit						
<b>098-002 Generator Mounts Replacement 8-12CSI</b>		1.5hrs	2.5hrs	3.5hrs	3.0hrs	3.0hrs	3.0hrs
Includes:	Remove and Install Service Door Panel Complete Non-Service Side Panel Enclosure Top Panel Test Run Unit						
<b>098-003 Secondary Mount Replacement 8-12CSI</b>		0.75hrs	1.5hrs	2.0hrs	1.5hrs	1.5hrs	1.5hrs
Includes:	Remove and Install Mount Bolts Rails Test Run Unit						