

Detection Coverage Report

Detection Test Coverage

1. Lose of Power:

Coverage [0 items / 0 functions]			
Interference (Additional Detection) [3 items / 0 functions]			
Item / Output Function(s)	Replacement Cost	Replacement Time	Failure Probability
BATTERY	60.00	15.00	
Battery dead			0.035558
Battery Partially Shorted Internally			0.003410
Fuse	4.00	10.00	
Battery Fuse Blown			0.009742
Ignition Switch	87.00	45.00	
Ignition Switch Stuck Open			0.007186
TOTALS:	151.00	70.00	0.055896

2. Check Brake Linkage:

Coverage [2 items / 0 functions]			
Item / Output Function(s)	Replacement Cost	Replacement Time	Failure Probability
Brake Pedal	45.00	60.00	
Pedal Linkage Failure			0.007325
Master Cylinder	103.00	60.00	
Master Cylinder Failure			0.000677
TOTALS:	148.00	120.00	0.008001

3. Automobile Start Test:

Coverage [3 items / 0 functions]			
Item / Output Function(s)	Replacement Cost	Replacement Time	Failure Probability
BATTERY	60.00	15.00	
Battery dead			0.035558
Battery Partially Shorted Internally			0.003410
Fuse	4.00	10.00	
Battery Fuse Blown			0.009742
Ignition Switch	87.00	45.00	
Ignition Switch Stuck Open			0.007186
TOTALS:	151.00	70.00	0.055896

4. Brake Fluid Low:

Coverage [5 items / 11 functions]			
Item / Output Function(s)	Replacement Cost	Replacement Time	Failure Probability

Brake Fluid LED	3.00	15.00	
Brake Fluid LED			0.074936
Brake Fluid	0.00	0.00	
Brake Fluid-Front Fluid Reservoir			0.020586
Brake Fluid-Fluid Level			0.006100
BF Level Sensor	0.00	0.00	
BF Level Sensor			0.012809
Reservoir	140.00	10.00	
Reservoir-Front Cylinder Intake			0.001217
Reservoir-Front Brake Fluid			0.001217
Reservoir-Rear Brake Fluid			0.001217
ECU	227.00	30.00	
ECU-29_ABS WARNING LED {ABS Indicators}			0.000607
ECU-BRAKE FLUID LED			0.000405
ECU-29_ABS WARNING LED {PCM Communications}			0.000202
ECU-17_Relay GND			0.000202
TOTALS:	370.00	55.00	0.119499
Interference (Additional Detection) [37 items / 88 functions]			
Item / Output Function(s)	Replacement Cost	Replacement Time	Failure Probability
RS Line	20.00	30.00	
RS Line			0.032473
FS Line	20.00	30.00	
FS Line			0.032473
Brake Fluid	0.00	0.00	
Brake Fluid-Rear Fluid Reservoir			0.018299
Brake Light SW	45.00	45.00	
Brake Light SW			0.010589
BATTERY	60.00	15.00	
BATTERY			0.009742
Pump Relay	79.00	90.00	
Pump Relay-Pump Relay contact driver			0.003202
Pump Relay Off			0.002376
ECU	227.00	30.00	
ECU-BRAKE FLUID LED			0.002632
ECU-29_ABS WARNING LED {ABS Indicators}			0.000810
ECU-RR OUTLET SOL			0.000405
ECU-LR OUTLET SOL			0.000202
ECU-RR INLET SOL			0.000202
ECU-LF OUTLET SOL			0.000202
ECU-RF OUTLET SOL			0.000202
ECU-LR INLET SOL			0.000202
ECU-RF INLET SOL			0.000202
ECU-LF INLET SOL			0.000202
ECU-14_PUMP MOTOR CNTL			0.000202
LR Tire	50.00	10.00	
LR Tire-Air Containment			0.004270
LF Tire	50.00	10.00	
LF Tire-Air Containment			0.004270
RR Tire	50.00	10.00	
RR Tire-Air Containment			0.004270
RF Tire	50.00	10.00	

RF Tire-Air Containment			0.004270
RF Disc Assy:ABS Speed Sensor	124.00	0.00	
ABS Speed Sensor-SS Cable			0.001261
ABS Speed Sensor-Speed Sensor-SS-			0.000630
ABS Speed Sensor-Speed Sensor-SS+			0.000630
RR Disc Assy:ABS Speed Sensor	124.00	0.00	
ABS Speed Sensor-SS Cable			0.001261
ABS Speed Sensor-Speed Sensor-SS-			0.000630
ABS Speed Sensor-Speed Sensor-SS+			0.000630
LF Disc Assy:ABS Speed Sensor	124.00	0.00	
ABS Speed Sensor-SS Cable			0.001261
ABS Speed Sensor-Speed Sensor-SS-			0.000630
ABS Speed Sensor-Speed Sensor-SS+			0.000630
LR Disc Assy:ABS Speed Sensor	124.00	0.00	
ABS Speed Sensor-SS Cable			0.001261
ABS Speed Sensor-Speed Sensor-SS-			0.000630
ABS Speed Sensor-Speed Sensor-SS+			0.000630
RF Disc Assy:Caliper Assy	630.00	2400.00	
Caliper Assy-Piston 2-Piston Fluid			0.001040
Caliper Assy-Piston 1-Piston Fluid			0.001040
RR Disc Assy:Caliper Assy	630.00	2400.00	
Caliper Assy-Piston 2-Piston Fluid			0.001040
Caliper Assy-Piston 1-Piston Fluid			0.001040
LF Disc Assy:Caliper Assy	630.00	2400.00	
Caliper Assy-Piston 2-Piston Fluid			0.001040
Caliper Assy-Piston 1-Piston Fluid			0.001040
LR Disc Assy:Caliper Assy	630.00	2400.00	
Caliper Assy-Piston 2-Piston Fluid			0.001040
Caliper Assy-Piston 1-Piston Fluid			0.001040
Master Cylinder	103.00	60.00	
Master Cylinder-Front Cylinder Fluid			0.001015
Master Cylinder-Rear Cylinder Fluid			0.001015
RF Disc Assy:Tone Ring	147.00	1200.00	
Tone Ring			0.001982
RR Disc Assy:Tone Ring	147.00	1200.00	
Tone Ring			0.001982
LF Disc Assy:Tone Ring	147.00	1200.00	
Tone Ring			0.001982
LR Disc Assy:Tone Ring	147.00	1200.00	
Tone Ring			0.001982
Reservior	140.00	10.00	
Reservior-Rear Cylinder Intake			0.001217
Ignition Switch	87.00	45.00	
Ignition Switch			0.000798
RF Disc Assy:Brake Valves	90.00	0.00	
Brake Valves-Pressure Release			0.000075
Brake Valves-Outlet Valve-Fluid Out To Reservoir			0.000075
Brake Valves-Outlet Valve-Outlet Solenoid Control Current Load			0.000075
Brake Valves-Inlet Valve-Pressure Hold			0.000057
Brake Valves-Inlet Valve-Pressure Build			0.000057
Brake Valves-Inlet Valve-Current Load			0.000057
Brake Valves-Back Pressure			0.000057

RR Disc Assy:Brake Valves	90.00	0.00	
Brake Valves-Pressure Release			0.000075
Brake Valves-Outlet Valve-Fluid Out To Reservoir			0.000075
Brake Valves-Outlet Valve-Outlet Solenoid Control Current Load			0.000075
Brake Valves-Inlet Valve-Pressure Hold			0.000057
Brake Valves-Inlet Valve-Pressure Build			0.000057
Brake Valves-Inlet Valve-Current Load			0.000057
Brake Valves-Back Pressure			0.000057
LF Disc Assy:Brake Valves	90.00	0.00	
Brake Valves-Pressure Release			0.000075
Brake Valves-Outlet Valve-Fluid Out To Reservoir			0.000075
Brake Valves-Outlet Valve-Outlet Solenoid Control Current Load			0.000075
Brake Valves-Inlet Valve-Pressure Hold			0.000057
Brake Valves-Inlet Valve-Pressure Build			0.000057
Brake Valves-Inlet Valve-Current Load			0.000057
Brake Valves-Back Pressure			0.000057
LR Disc Assy:Brake Valves	90.00	0.00	
Brake Valves-Pressure Release			0.000075
Brake Valves-Outlet Valve-Fluid Out To Reservoir			0.000075
Brake Valves-Outlet Valve-Outlet Solenoid Control Current Load			0.000075
Brake Valves-Inlet Valve-Pressure Hold			0.000057
Brake Valves-Inlet Valve-Pressure Build			0.000057
Brake Valves-Inlet Valve-Current Load			0.000057
Brake Valves-Back Pressure			0.000057
RR Wheel	95.00	0.00	
RR Wheel			0.000085
LR Wheel	95.00	0.00	
LR Wheel			0.000085
RF Wheel	95.00	0.00	
RF Wheel			0.000085
LF Wheel	95.00	0.00	
LF Wheel			0.000085
DIAG CONN	15.00	45.00	
DIAG CONN-34_DIAG-			< 0.000001
DIAG CONN-20_DIAG+			< 0.000001
SENS CONN 1A	15.00	45.00	
SENS CONN 1A-LR SS1			< 0.000001
SENS CONN 1A-LF SS1			< 0.000001
SENS CONN 2A	15.00	45.00	
SENS CONN 2A-RR SS1			< 0.000001
SENS CONN 2A-RF SS1			< 0.000001
TOTALS:	5370.00	14930.00	0.164232
Stimuli [12]			
CH GND	Foot Pressure	Mechanic K Test	RF Wheel Torque
Driver Ignition	LF Wheel Torque	Mechanic L test	RR Wheel Torque
Fluid Fill	LR Wheel Torque	Pump Relay Off	Software

5. ABS Light Stays On:

Coverage [24 items / 47 functions]			
Item / Output Function(s)	Replacement Cost	Replacement Time	Failure Probability
Solenoid Relay	79.00	90.00	
Solenoid Relay contact ATCM			0.007270
Solenoid Relay contact GND			0.007270
Solenoid Relay-Solenoid Relay Coil-EMF			0.007059
Pump Relay	79.00	90.00	
Pump Relay On			0.009504
Pump Relay-Pump Relay contact driver			0.003202
Pump Relay Off			0.002376
BATTERY	60.00	15.00	
BATTERY			0.009742
Battery Charge Low			
ECU	227.00	30.00	
ECU-BRAKE FLUID LED			0.002632
ECU-29_ABS WARNING LED {ABS Indicators}			0.001012
ECU-14_PUMP MOTOR CNTL			0.000405
ECU-29_ABS WARNING LED {PCM Communications}			0.000202
ECU-27_SOLENOID RELAY LO			0.000202
RF Disc Assy:ABS Speed Sensor	124.00	0.00	
ABS Speed Sensor-SS Cable			0.001261
ABS Speed Sensor-Speed Sensor-SS-			0.000630
ABS Speed Sensor-Speed Sensor-SS+			0.000630
RR Disc Assy:ABS Speed Sensor	124.00	0.00	
ABS Speed Sensor-SS Cable			0.001261
ABS Speed Sensor-Speed Sensor-SS-			0.000630
ABS Speed Sensor-Speed Sensor-SS+			0.000630
LF Disc Assy:ABS Speed Sensor	124.00	0.00	
ABS Speed Sensor-SS Cable			0.001261
ABS Speed Sensor-Speed Sensor-SS-			0.000630
ABS Speed Sensor-Speed Sensor-SS+			0.000630
LR Disc Assy:ABS Speed Sensor	124.00	0.00	
ABS Speed Sensor-SS Cable			0.001261
ABS Speed Sensor-Speed Sensor-SS-			0.000630
ABS Speed Sensor-Speed Sensor-SS+			0.000630
RF Disc Assy:Tone Ring	147.00	1200.00	
Tone Ring			0.001982
RR Disc Assy:Tone Ring	147.00	1200.00	
Tone Ring			0.001982
LF Disc Assy:Tone Ring	147.00	1200.00	
Tone Ring			0.001982
LR Disc Assy:Tone Ring	147.00	1200.00	
Tone Ring			0.001982
F Pump PS	23.00	45.00	
F Pump PS			0.001879
Front Pump	629.00	20.00	
Front Pump-Load			0.000814
Rear Pump	629.00	20.00	
Rear Pump-Load			0.000814
Ignition Switch	87.00	45.00	
Ignition Switch			0.000798

RF Disc Assy:Brake Valves	90.00	0.00	
Brake Valves-Outlet Valve-Outlet Solenoid Control Current Load			0.000075
Brake Valves-Inlet Valve-Current Load			0.000057
RR Disc Assy:Brake Valves	90.00	0.00	
Brake Valves-Outlet Valve-Outlet Solenoid Control Current Load			0.000075
Brake Valves-Inlet Valve-Current Load			0.000057
LF Disc Assy:Brake Valves	90.00	0.00	
Brake Valves-Outlet Valve-Outlet Solenoid Control Current Load			0.000075
Brake Valves-Inlet Valve-Current Load			0.000057
LR Disc Assy:Brake Valves	90.00	0.00	
Brake Valves-Outlet Valve-Outlet Solenoid Control Current Load			0.000075
Brake Valves-Inlet Valve-Current Load			0.000057
R Pump PS	23.00	45.00	
R Pump PS			0.000085
DIAG CONN	15.00	45.00	
DIAG CONN-34_DIAG-			< 0.000001
DIAG CONN-20_DIAG+			< 0.000001
SENS CONN 1A	15.00	45.00	
SENS CONN 1A-LR SS1			< 0.000001
SENS CONN 1A-LF SS1			< 0.000001
SENS CONN 2A	15.00	45.00	
SENS CONN 2A-RR SS1			< 0.000001
SENS CONN 2A-RF SS1			< 0.000001
TOTALS:	3325.00	5335.00	0.073810
Stimuli [12]			
CH GND Driver Ignition Foot Pressure	LF Wheel Torque LR Wheel Torque Mechanic K Test	Mechanic L test PCM COMM Pump Relay Off	RF Wheel Torque RR Wheel Torque Software

6. Check Left Brake Light Failed:

Coverage [2 items / 2 functions]			
Item / Output Function(s)	Replacement Cost	Replacement Time	Failure Probability
L Brake Bulb	3.00	15.00	
L Brake Bulb			0.074936
Brake Light SW	45.00	45.00	
Brake Light SW			0.010589
TOTALS:	48.00	60.00	0.085524
Stimuli [3]			
CH GND	Driver Ignition	Foot Pressure	

7. Check Right Brake Light Failed:

Coverage [1 item / 1 function]			
Item / Output Function(s)	Replacement	Replacement	Failure

	Cost	Time	Probability
R Brake Bulb	3.00	15.00	
R Brake Bulb			0.074936
TOTALS:	3.00	15.00	0.074936
Stimuli [3]			
CH GND	Driver Ignition	Foot Pressure	

8. Check Rear Window Brake Light Failed:

Coverage [1 item / 1 function]			
Item / Output Function(s)	Replacement Cost	Replacement Time	Failure Probability
RW Brake Bulb	3.00	15.00	
RW Brake Bulb			0.074936
TOTALS:	3.00	15.00	0.074936
Stimuli [3]			
CH GND	Driver Ignition	Foot Pressure	

9. Hydraulic Leak:

Coverage [18 items / 0 functions]			
Item / Output Function(s)	Replacement Cost	Replacement Time	Failure Probability
RR Line	20.00	30.00	
Hydraulic Leak			0.032473
RS Line	20.00	30.00	
Hydraulic Leak			0.032473
FR Line	20.00	30.00	
Hydraulic Leak			0.032473
FS Line	20.00	30.00	
Hydraulic Leak			0.032473
RF Disc Assy:Caliper Assy	630.00	2400.00	
Hydraulic Leak			0.001040
Hydraulic Leak			0.001040
RR Disc Assy:Caliper Assy	630.00	2400.00	
Hydraulic Leak			0.001040
Hydraulic Leak			0.001040
LF Disc Assy:Caliper Assy	630.00	2400.00	
Hydraulic Leak			0.001040
Hydraulic Leak			0.001040
LR Disc Assy:Caliper Assy	630.00	2400.00	
Hydraulic Leak			0.001040
Hydraulic Leak			0.001040
Rear Damper Chamber	140.00	10.00	
Hydraulic Leak			0.000487
Front Damper Chamber	140.00	10.00	
Hydraulic Leak			0.000487
RF Disc Assy:Brake Valves	90.00	0.00	
Hydraulic Leak			0.000098

Hydraulic Leak			0.000093
RR Disc Assy:Brake Valves	90.00	0.00	
Hydraulic Leak			0.000098
Hydraulic Leak			0.000093
LF Disc Assy:Brake Valves	90.00	0.00	
Hydraulic Leak			0.000098
Hydraulic Leak			0.000093
LR Disc Assy:Brake Valves	90.00	0.00	
Hydraulic Leak			0.000098
Hydraulic Leak			0.000093
Front Pump	629.00	20.00	
Hydraulic Leak			0.000041
Rear Pump	629.00	20.00	
Hydraulic Leak			0.000041
Front Accumulator	65.00	2.00	
Hydraulic Leak			0.000009
Rear Accumulator	65.00	5.00	
Hydraulic Leak			0.000002
TOTALS:	4628.00	9787.00	0.140045

10. **Braking Squeal:**

Coverage [0 items / 0 functions]			
Interference (Additional Detection) [4 items / 0 functions]			
Item / Output Function(s)	Replacement Cost	Replacement Time	Failure Probability
RF Disc Assy:PADS	294.00	30.00	
Pad1 False Pad Squeal			0.000422
Pad2 False Pad Squeal			0.000422
Pad2 Wear Beyond Limit			0.008022
Pad1 Wear Beyond Limit			0.008022
RR Disc Assy:PADS	294.00	30.00	
Pad1 False Pad Squeal			0.000422
Pad2 False Pad Squeal			0.000422
Pad2 Wear Beyond Limit			0.008022
Pad1 Wear Beyond Limit			0.008022
LF Disc Assy:PADS	294.00	30.00	
Pad1 False Pad Squeal			0.000422
Pad2 False Pad Squeal			0.000422
Pad2 Wear Beyond Limit			0.008022
Pad1 Wear Beyond Limit			0.008022
LR Disc Assy:PADS	294.00	30.00	
Pad1 False Pad Squeal			0.000422
Pad2 False Pad Squeal			0.000422
Pad2 Wear Beyond Limit			0.008022
Pad1 Wear Beyond Limit			0.008022
TOTALS:	1176.00	120.00	0.067552

11. **Reduced Braking Efficiency:**

Coverage [16 items / 0 functions]	
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Item / Output Function(s)	Replacement Cost	Replacement Time	Failure Probability
RF Disc Assy:PADS	294.00	30.00	
Pad1 Wear Beyond Limit			0.008022
RR Disc Assy:PADS	294.00	30.00	
Pad1 Wear Beyond Limit			0.008022
LF Disc Assy:PADS	294.00	30.00	
Pad1 Wear Beyond Limit			0.008022
LR Disc Assy:PADS	294.00	30.00	
Pad1 Wear Beyond Limit			0.008022
RF Disc Assy:Caliper Assy	630.00	2400.00	
Loss of release pressure			0.001040
Loss of release pressure			0.001040
Caliper Wear non-linear			0.000126
Caliper Wear beyond limit			0.001135
RR Disc Assy:Caliper Assy	630.00	2400.00	
Loss of release pressure			0.001040
Loss of release pressure			0.001040
Caliper Wear non-linear			0.000126
Caliper Wear beyond limit			0.001135
LF Disc Assy:Caliper Assy	630.00	2400.00	
Loss of release pressure			0.001040
Loss of release pressure			0.001040
Caliper Wear non-linear			0.000126
Caliper Wear beyond limit			0.001135
LR Disc Assy:Caliper Assy	630.00	2400.00	
Loss of release pressure			0.001040
Loss of release pressure			0.001040
Caliper Wear non-linear			0.000126
Caliper Wear beyond limit			0.001135
RF Disc Assy:Rotor	210.00	1500.00	
disk wear beyond limit			0.001982
RR Disc Assy:Rotor	210.00	1500.00	
disk wear beyond limit			0.001982
LF Disc Assy:Rotor	210.00	1500.00	
disk wear beyond limit			0.001982
LR Disc Assy:Rotor	210.00	1500.00	
disk wear beyond limit			0.001982
RF Disc Assy:Brake Valves	90.00	0.00	
Outlet Solenoid Failed Open			0.000015
Outlet Solenoid Failed Closed			0.000038
Check Valve Back Leakage			0.000005
Inlet Solinoid Failed Closed			0.000020
Inlet Solinoid Failed Open			0.000042
Check Valve Clogged			0.000008
RR Disc Assy:Brake Valves	90.00	0.00	
Outlet Solenoid Failed Open			0.000015
Outlet Solenoid Failed Closed			0.000038
Check Valve Back Leakage			0.000005
Inlet Solinoid Failed Closed			0.000020
Inlet Solinoid Failed Open			0.000042
Check Valve Clogged			0.000008
LF Disc Assy:Brake Valves	90.00	0.00	

Outlet Solenoid Failed Open			0.000015
Outlet Solenoid Failed Closed			0.000038
Check Valve Back Leakage			0.000005
Inlet Solinoid Failed Closed			0.000020
Inlet Solinoid Failed Open			0.000042
Check Valve Clogged			0.000008
LR Disc Assy:Brake Valves	90.00	0.00	
Outlet Solenoid Failed Open			0.000015
Outlet Solenoid Failed Closed			0.000038
Check Valve Back Leakage			0.000005
Inlet Solinoid Failed Closed			0.000020
Inlet Solinoid Failed Open			0.000042
Check Valve Clogged			0.000008
TOTALS:	4896.00	15720.00	0.053897

12. Inspect RF Wheel for wear:

Coverage [1 item / 1 function]			
Item / Output Function(s)	Replacement Cost	Replacement Time	Failure Probability
RF Wheel	95.00	0.00	
RF Wheel			0.000085
TOTALS:	95.00	0.00	0.000085

13. Inspect RR Wheel for wear:

Coverage [1 item / 1 function]			
Item / Output Function(s)	Replacement Cost	Replacement Time	Failure Probability
RR Wheel	95.00	0.00	
RR Wheel			0.000085
TOTALS:	95.00	0.00	0.000085

14. Inspect LR Wheel for wear:

Coverage [1 item / 1 function]			
Item / Output Function(s)	Replacement Cost	Replacement Time	Failure Probability
LR Wheel	95.00	0.00	
LR Wheel			0.000085
TOTALS:	95.00	0.00	0.000085

15. Inspect LF Wheel for wear:

Coverage [1 item / 1 function]			
Item / Output Function(s)	Replacement Cost	Replacement Time	Failure Probability
LF Wheel	95.00	0.00	
LF Wheel			0.000085
TOTALS:	95.00	0.00	0.000085

16. **Inspect Pads from LF Disc Assy:**

Coverage [1 item / 0 functions]			
Item / Output Function(s)	Replacement Cost	Replacement Time	Failure Probability
LF Disc Assy:PADS	294.00	30.00	
Pad1 False Pad Squeal			0.000422
Pad2 False Pad Squeal			0.000422
Pad2 Wear Beyond Limit			0.008022
TOTALS:	294.00	30.00	0.008866

17. **Inspect Pads from RF Disc Assy:**

Coverage [1 item / 0 functions]			
Item / Output Function(s)	Replacement Cost	Replacement Time	Failure Probability
RF Disc Assy:PADS	294.00	30.00	
Pad1 False Pad Squeal			0.000422
Pad2 False Pad Squeal			0.000422
Pad2 Wear Beyond Limit			0.008022
TOTALS:	294.00	30.00	0.008866

18. **Inspect Pads from RR Disc Assy:**

Coverage [1 item / 0 functions]			
Item / Output Function(s)	Replacement Cost	Replacement Time	Failure Probability
RR Disc Assy:PADS	294.00	30.00	
Pad1 False Pad Squeal			0.000422
Pad2 False Pad Squeal			0.000422
Pad2 Wear Beyond Limit			0.008022
TOTALS:	294.00	30.00	0.008866

19. **Inspect Pads from LR Disc Assy:**

Coverage [1 item / 0 functions]			
Item / Output Function(s)	Replacement Cost	Replacement Time	Failure Probability
LR Disc Assy:PADS	294.00	30.00	
Pad1 False Pad Squeal			0.000422
Pad2 False Pad Squeal			0.000422
Pad2 Wear Beyond Limit			0.008022
TOTALS:	294.00	30.00	0.008866

20. **Inspect for Leaks Air (RF Tire):**

Coverage [1 item / 0 functions]			
Item / Output Function(s)	Replacement Cost	Replacement Time	Failure Probability

RF Tire	50.00	10.00	
Leaks Air			0.002135

21. Inspect for Flat (RF Tire):

Coverage [1 item / 0 functions]			
Item / Output Function(s)	Replacement Cost	Replacement Time	Failure Probability
RF Tire	50.00	10.00	
Flat			0.002135
TOTALS:	50.00	10.00	0.002135

22. Inspect for Leaks Air (RR Tire):

Coverage [1 item / 0 functions]			
Item / Output Function(s)	Replacement Cost	Replacement Time	Failure Probability
RR Tire	50.00	10.00	
Leaks Air			0.002135

23. Inspect for Flat (RR Tire):

Coverage [1 item / 0 functions]			
Item / Output Function(s)	Replacement Cost	Replacement Time	Failure Probability
RR Tire	50.00	10.00	
Flat			0.002135
TOTALS:	50.00	10.00	0.002135

24. Inspect for Leaks Air (LR Tire):

Coverage [1 item / 0 functions]			
Item / Output Function(s)	Replacement Cost	Replacement Time	Failure Probability
LR Tire	50.00	10.00	
Leaks Air			0.002135

25. Inspect for Flat (LR Tire):

Coverage [1 item / 0 functions]			
Item / Output Function(s)	Replacement Cost	Replacement Time	Failure Probability
LR Tire	50.00	10.00	
Flat			0.002135
TOTALS:	50.00	10.00	0.002135

26. Inspect for Leaks Air (LF Tire):

Coverage [1 item / 0 functions]			
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Item / Output Function(s)	Replacement Cost	Replacement Time	Failure Probability
LF Tire	50.00	10.00	
Leaks Air			0.002135

27. Inspect for Flat (LF Tire):

Coverage [1 item / 0 functions]			
Item / Output Function(s)	Replacement Cost	Replacement Time	Failure Probability
LF Tire	50.00	10.00	
Flat			0.002135
TOTALS:	50.00	10.00	0.002135

Non-Detected Functions

Functions Not Detected [13]:	
Function	Failure Probability
[LF Tire] LF Tire-Traction	0.038428
[LR Tire] LR Tire-Traction	0.038428
[RF Tire] RF Tire-Traction	0.038428
[RR Tire] RR Tire-Traction	0.038428
[ABS LED] ABS LED	0.006627
[CKV 1] CKV1 Hydraulic Fluid To Pump	0.004235
[CKV 2] Hydraulic Fluid To Reservoir 1	0.004235
[CKV 3] CKV3 Hydraulic Fluid To Pump	0.004235
[CKV 4] Hydraulic Fluid To Reservoir 2	0.004235
[Master Cylinder] Master Cylinder-Front Cylinder Intake	0.003834
[Master Cylinder] Master Cylinder-Pedal Pressure to MC	0.003834
[Master Cylinder] Master Cylinder-Rear Cylinder Intake	0.003834
[D1] D1	0.000003
Functions Detected (via Interference), But Not Proven [12]:	
Function	Failure Probability
[Brake Fluid] Brake Fluid-Rear Fluid Reservoir	0.016012
[Reservoir] Reservoir-Rear Cylinder Intake	0.001217
[Master Cylinder] Master Cylinder-Front Cylinder Fluid	0.000677
[Master Cylinder] Master Cylinder-Rear Cylinder Fluid	0.000677
[ECU] ECU-LF INLET SOL	0.000000
[ECU] ECU-LF OUTLET SOL	0.000000
[ECU] ECU-LR INLET SOL	0.000000
[ECU] ECU-LR OUTLET SOL	0.000000
[ECU] ECU-RF INLET SOL	0.000000
[ECU] ECU-RF OUTLET SOL	0.000000
[ECU] ECU-RR INLET SOL	0.000000
[ECU] ECU-RR OUTLET SOL	0.000000

Non-Detected Failure Modes

Failure Modes Not Detected [24]:		
Failure Mode	Maximum Severity	Failure Probability
[LF Tire] Worn Tread	Degraded Performance	0.038428
[LR Tire] Tread Worn	Degraded Performance	0.038428
[RF Tire] Worn Tread	Degraded Performance	0.038428
[RR Tire] Worn Tread	Degraded Performance	0.038428
[Master Cylinder] Air In Cylinder	No Effect	0.011501
[Front Pump] Pump Motor Shorted	Loss of Life	0.009742
[Rear Pump] Pump Motor Shorted	Loss of Life	0.009742
[ABS LED] ABS Warnng Light Bulb Failure	Loss of Operation	0.006627
[Front Pump] Pump Motor Open	Loss of Life	0.006495
[Rear Pump] Pump Motor Open	Loss of Life	0.006494
[Front Damper Chamber] Low On Fluid	Loss of Life	0.004381
[Rear Damper Chamber] Low On Fluid	Loss of Life	0.004381
[CKV 1] Check Valve 1 flow restricted	Loss of Life	0.003388
[CKV 2] Check Valve 2 flow restricted	Loss of Life	0.003388
[CKV 3] Check Valve 3 flow restricted	Loss of Life	0.003388
[CKV 4] Check Valve 4 flow restricted	Loss of Life	0.003388
[CKV 1] Check Value 1 leaks	Loss of Life	0.000847
[CKV 2] Check Value 2 leaks	Loss of Life	0.000847
[CKV 3] Check Value 3 leaks	Loss of Life	0.000847
[CKV 4] Check Value 4 leaks	Loss of Life	0.000847
[Front Accumulator] F Damper Chamber blocked	Loss of Life	0.000077
[Rear Accumulator] R Damper Chamber blocked	Loss of Life	0.000015
[D1] Diode D1 Open	Loss of Operation	0.000003
[D1] Diode D1 shorted	Loss of Operation	< 0.000001