

Vehicle Information

Failure Part: AT332439

Failure Mode
PRESSURE LOW OR HIGH

Failure Area
PRESSURE

Failure Mode Comments

Downtime
30

Previous Invoice #

Test Results Code

DTAC Case

DTAC Solution

Parts / Labor / Other Credits

Item	Description	Quantity Approved
AT332439	ACCUMULATOR WITH LABEL WITH LABEL	1
A	-	2.74

Complaint

* CODE 520654.02 IS ACTIVE FOR BRAKE CHARGE PRESSURE LOW AFTER INITIAL STARTUP

Cause

* BRAKE ACCUMULATORS HAVE FAILED

Correction

PULL MACHINE INTO SHOP THEN SCAN MACHINE FOR CODES AND SOFTWARE UPDATES, CODE S20654.02 IS ACTIVE FOR BRAKE CHARGE PRESSURE LOW AFTER INITIAL STARTUP, MONITOR BRAKE CHARGE PRESSURE READINGS IN EMU, LEFT SIDE BRAKE PRESSURE SHOWS 119 PSI AND RIGHT SIDE BRAKE PRESSURE SHOWS 320 PSI. REMOVE INTERIOR CENTER CONSOLE AND FLOOR PANEL TO ACCESS BRAKE ACCUMULATORS. DISCONNECT HYDRAULIC HOSES FROM BRAKE ACCUMULATORS THEN REMOVE BRAKE ACCUMULATORS FROM MACHINE. SWAP HYDRAULIC FITTINGS TO NEW BRAKE ACCUMULATORS WITH NEW O-RINGS. INSTALL NEW BRAKE ACCUMULATORS THEN CONNECT HYDRAULIC HOSES. TEST BRAKE ACCUMULATORS AND MONITOR BRAKE CHARGE PRESSURE. BRAKE CHARGE PRESSURE IS NOW WITHIN FACTORY SPECIFICATION. JOB COMPLETE.

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Failure Area
PRESSURE

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DTAC Solution

Parts / Labor / Other Credits

Item	Description	Quantity Approved
AT332439	ACCUMULATOR WITH LABEL WITH LABEL	1
R26448	O-RING, O-RING PACKING	1

Complaint

* CODE 520654.02 IS ACTIVE FOR BRAKE CHARGE PRESSURE LOW AFTER INITIAL STARTUP

Cause

* BRAKE ACCUMULATOR HAVE FAILED

Correction

PULL MACHINE INTO SHOP THEN SCAN MACHINE FOR CODES AND SOFTWARE UPDATES. CODE 520654.02 IS ACTIVE FOR BRAKE CHARGE PRESSURE LOW AFTER INITIAL STARTUP. MONITOR BRAKE CHARGE PRESSURE READINGS IN EMU. LEFT SIDE BRAKE PRESSURE SHOWS 119 PSI AND RIGHT SIDE BRAKE PRESSURE SHOWS 320 PSI. REMOVE INTERIOR CENTER CONSOLE AND FLOOR PANEL TO ACCESS BRAKE ACCUMULATORS. DISCONNECT HYDRAULIC HOSES FROM BRAKE ACCUMULATORS THEN REMOVE BRAKE ACCUMULATORS FROM MACHINE. SWAP HYDRAULIC FITTINGS TO NEW BRAKE ACCUMULATORS WITH NEW O-RINGS. INSTALL NEW BRAKE ACCUMULATORS THEN CONNECT HYDRAULIC HOSES. TEST BRAKE ACCUMULATORS AND MONITOR BRAKE CHARGE PRESSURE. BRAKE CHARGE PRESSURE IS NOW WITHIN FACTORY SPECIFICATION. JOB COMPLETE.

Failure Information

Failure Part: AT280440

Failure Mode
STUCK OR SEIZED

Failure Area
INTERNAL

Failure Mode Comments

Downtime
40

Previous Invoice #

Test Results Code

DTAC Case

DTAC Solution

✓ Parts / Labor / Other Credits

Item	Description	Quantity Approved
AT280440	VALVE CARTRIDGE	2
AT280441	COIL	2
E		4
L	DIAGNOST	5

Complaint

RIDE CONTROL NOT WORKING ALL THE TIME

✓ Cause

SOLENOIDS STICKING / STUCK

✓ Correction

Previous Invoice #

Test Results Code

DTAC Case

DTAC Solution

Downtime

✓ Cause

PULL MACHINE INTO SHOP AND LOCATE DIAGNOSTIC PROCEDURE FOR BRAKE PEDAL SPONGY. PERFORM SERVICE BRAKE VALVE PRESSURE TEST. LEFT SIDE PEDAL IS OUT OF FACTORY SPECIFICATION TESTING 1125 PSI. REMOVE PANELS TO ACCESS BRAKE VALVE. REMOVE HYDRAULIC HOSES GOING TO LEFT BRAKE VALVE. REMOVE LEFT BRAKE VALVE THEN SWAP HYDRAULIC FITTINGS TO NEW BRAKE VALVE. INSTALL NEW BRAKE VALVE THEN CONNECT HYDRAULIC HOSES. PERFORM SERVICE BRAKE BLEED PROCEDURE. TEST BRAKE FUNCTIONS. JOB COMPLETE.

Failure Information

Failure Part: AT393721

Failure Mode

BROKEN

Failure Area

SWITCH

Failure Mode Comments

Downtime

20

Previous Invoice #

Test Results Code

DTAC Case

DTAC Solution

Parts / Labor / Other Credits

Item	Description	Quantity Approved
AT393721	SWITCH_PRESSURE/ELECT-VITON SEAL VI	1

Complaint

* HAND DIAL THROTTLE IS NOT RAISING IDLE

Cause

* BRAKE LIGHT PRESSURE SWITCH HAS FAILED

Correction

PULL MACHINE INTO SHOP AND FOUND HAND DIAL THROTTLE IS NOT RAISING IDLE. LOCATE DTAC SOLUTION 81552. DTAC SOLUTION 81552 STATES BRAKE LIGHT PRESSURE SWITCH HAS FAILED CAUSING THROTTLE NOT TO OPERATE WITH DIAL. REPLACE BRAKE LIGHT PRESSURE SWITCH AT393721 THEN TEST DIAL FUNCTIONS. DIAG FUNCTIONS HAVE BEEN RESTORED. JOB COMPLETE.

Failure Information

✓ Failure Part: AT280440

Failure Mode

STUCK OR SEIZED

Failure Area

INTERNAL

Failure Mode Comments

Downtime

30

Previous Invoice #

Test Results Code

DYAC Case

DTAC Solution

✓ Parts / Labor / Other Credits

Item	Description	Quantity Approved
14M7477	NUT, METRIC, THIN HEX	2
AT280440	VALVE CARTRIDGE	2
AT280441	COIL	2
E71998	BACK-UP RING,	2
R28776	O-RING,	2
R47151	O-RING	2

✓ Complaint

RIDE CONTROL NOT WORKING

✓ Cause

Failure Mode
PRESSURE LOW OR HIGH

Failure Area
VALVE

Failure Mode Comments

Downtime
30

Previous Invoice #

Test Results Code

DTAC Case

DTAC Solution

✓ Parts / Labor / Other Credits

Item	Description	Quantity Approved
E	-	0.85
L	DIAGNOST	0.56

▼ Complaint

SLOW HYD FUNCTIONS

▼ Cause

HYDRAULICS FUNCTIONS ARE UNRESPONSIVE OR SLOW AT TIMES, GOT HYD TO TEMP AND CHECKED HYD PRESSURES. LS DIFFERENTIAL IS LOW AND PUMP OUTPUT ARE SLIGHTLY LOW. LS DIF 255 psi / SPEC 265-295PSI. PUMP OUTPUT 3475psi / SPEC 3525-3725PSI. CONNECTED GAUGE AND CONFIRMED PRESSURE READING

✓ Correction

ADJUSTED LS DIFFERENTIAL TO 275psi. PUMP OUTPUT CAME UP TO 3630psi. RE-CALIBRATED HYDRAULICS. RAN MACHINE AND HYD
FUNCTION CYCLE TIMES ARE IN SPEC. P/N AT431385 DIAG PRESS TESTS .56 ADJUST AND CALIBRATE .85