

Service Information Letter - Fuel Systems

SMALL RECIPROCATING
ENGINES

No. RSA-20

Issued 6-15-81

Page 1 of 14

SUBJECT: Automatic Mixture Control Flow Test Limits.

PURPOSE: To provide service facilities with latest Automatic Mixture Control Flow Test Limits

These test specifications supersede and replace all previous published test specifications.

Any further changes or additions to test limits will be distributed by amendments to this S.I.L.

Add or replace flow test limits as indicated.

<u>A.M.C. Parts List No.</u>	<u>New Test Specification</u>	<u>Old Test Specification</u>
391849	10328-01	10187-01
391850	10319-01	1401-01
2524040	10321-01	-----
2524235	10320-01	3620-02 and 3558-02
2524266	10329-01	5856-02 and 10177-01
2524465	10324-01	6121-01
2524594	10318-01	3128-01
2524635	10325-01	8448-01
2524642	10327-01	9246-01
2524666	10322-01	-----
2524695	10326-01	9554-01
2524736	10323-01	9939-01



K. R. Dettweiler
Manager of Service



**Energy Controls
Division**

TEST SPECIFICATION DATE: 20-MAY-81
THE BENDIX CORPORATION, ENERGY CONTROLS DIVISION, SOUTH BEND, INDIANA, U. S. A.

OPERATOR
MODEL-AMC
PARTS LIST
SERIAL NO. 10328-01
DATE 11-13-81
PAGE CODE

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AUTOMATIC MIXTURE CONTROL FLOW TEST LIMITS

DENSITY	#/CU. FT.	LIMITS "H2O"
.0700		14.8 - 15.3
.0611		10.6 - 11.2
.0700	HYSTERESIS CHECK	WITHIN 0.3"
.0700	RAK (SERVICE ONLY)	13.8 - 16.3

TEST PER EI-1257
PRODUCTION AND SERVICE

PARTS LIST 391849

Test Specification
Automatic Mixture Control Flow
Figure 1.

TEST SPECIFICATION
DATE: 20-MAY-81
THE BENDIX CORPORATION, ENERGY CONTROLS DIVISION, SOUTH BEND, INDIANA, U. S. A.

OPERATOR _____
MODEL _____
PARTS LIST _____
SERIAL NO. _____
DATE _____
PAGE CODE _____

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AUTOMATIC MIXTURE CONTROL FLOW TEST LIMITS

DENSITY	#/CU. FT.	LIMITS	"H2O
.0700		14.9 - 15.1	
.0611		10.3 - 12.0	
.0700	HYSTERESIS CHECK	WITHIN 0.3"	
.0700	RAR (SERVICE ONLY)	13.9 - 16.1	

TEST PER EI-1257
PRODUCTION AND SERVICE

PARTS LIST 391850

Test Specification
Automatic Mixture Control Flow
Figure 2.

TEST SPECIFICATION DATE: 20-MAY-81
THE BENDIX CORPORATION, ENERGY CONTROLS DIVISION, SOUTH BEND, INDIANA, U. S. A.

OPERATOR _____
MODEL-AMC _____
PARTS LIST _____
SERIAL NO. _____
DATE _____
PAGE CODE _____

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AUTOMATIC MIXTURE CONTROL FLOW TEST LIMITS

DENSITY	#/CU. FT.	LIMITS	"H2O
.0700		18.9 - 19.1	
.0611		14.5 - 15.4	
.0700	HYSTERESIS CHECK	WITHIN 0.3"	
.0700	RAR (SERVICE ONLY)	17.9 - 20.1	

TEST PER EI-1257
PRODUCTION AND SERVICE

PARTS LIST 2524040

Test Specification
Automatic Mixture Control Flow
Figure 3.

THE BENDIX CORPORATION, ENERGY CONTROLS DIVISION, SOUTH BEND, INDIANA, U. S. A.

TEST SPECIFICATION

DATE: 20-MAY-81

MODEL AMC SERIAL NO. (14-19) 10320-01 (20-
OPERATOR PARTS LIST (1-13) DATE (32-37) PAGE CODE

PAGE 1 OF 1

AUTOMATIC MIXTURE CONTROL FLOW TEST LIMITS

DENSITY	#/CU. FT.	LIMITS "H2O
.0700		18.9 - 19.1
.0611		14.5 - 15.4
.0700	HYSTERESIS CHECK	WITHIN 0.3"
.0700	RAR (SERVICE ONLY)	17.9 - 20.1

TEST PER EI-1257
PRODUCTION AND SERVICE

PARTS LIST 2524235

Test Specification
Automatic Mixture Control Flow
Figure 4.

TEST SPECIFICATION DATE: 20-MAY-81
THE BENDIX CORPORATION, ENERGY CONTROLS DIVISION, SOUTH BEND, INDIANA, U. S. A.

OPERATOR
MODEL - AMC
PARTS LIST
SERIAL NO. (14-1911) 1032A-01 (20-)
DATE (1-13) (32-37) PAGE CODE
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AUTOMATIC MIXTURE CONTROL FLOW TEST LIMITS

DENSITY #/CU. FT.	LIMITS "H2O
.0700	17.4 - 17.7
.0611	18.2 - 19.4
.0700	WITHIN 0.3"
.0700	16.4 - 18.7

HYSTERESIS CHECK
RAR (SERVICE ONLY)

TEST PER EI-1258
PRODUCTION AND SERVICE

PARTS LIST 2524465

Test Specification
Automatic Mixture Control Flow
Figure 6.

TEST SPECIFICATION DATE: 20-MAY-81
THE BENDIX CORPORATION, ENERGY CONTROLS DIVISION, SOUTH BEND, INDIANA, U. S. A.

OPERATOR
MODEL AMC
PARTS LIST
SERIAL NO. 10118-01
DATE 11-13-81
PAGE CODE (32-37)
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AUTOMATIC MIXTURE CONTROL FLOW TEST LIMITS

DENSITY #/CU. FT.	LIMITS "H2O
.0700	18.75 - 19.25
.0611	13.0 - 14.1
.0700	WITHIN 0.3"
.0700	17.75 - 20.25

HYSTERESIS CHECK
RAR (SERVICE ONLY)

TEST PER EI-1257
PRODUCTION AND SERVICE

PARTS LIST 2524594

Test Specification
Automatic Mixture Control Flow
Figure 7.

THE BENDIX CORPORATION, ENERGY CONTROLS DIVISION, SOUTH BEND, INDIANA, U. S. A.
TEST SPECIFICATION DATE: 20-MAY-81

MODEL AMC SERIAL NO. (14-1911-10325-01) (20-
PARTS LIST (11-13) DATE (32-37) PAGE CODE
OPERATOR

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AUTOMATIC MIXTURE CONTROL FLOW TEST LIMITS

DENSITY	#/CU. FT.	LIMITS	"H2O
.0700		18.55 - 18.65	
.0611		19.1 - 20.3	
.0700	HYSTERESIS CHECK	WITHIN 0.3"	
.0700	RAR (SERVICE ONLY)	17.55 - 19.65	

TEST PER EI-1258
PRODUCTION AND SERVICE

PARTS LIST 2524635

Test Specification
Automatic Mixture Control Flow
Figure 8.

TEST SPECIFICATION DATE: 20-MAY-81
THE BENDIX CORPORATION, ENERGY CONTROLS DIVISION, SOUTH BEND, INDIANA, U. S. A.

MODEL-AMC SERIAL_NO. 14-1911 10327-01 120
PARTS_LIST (1-13) DATE (32-37) PAGE CODE
OPERATOR
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AUTOMATIC MIXTURE CONTROL FLOW TEST LIMITS

DENSITY	#/CU. FT.	LIMITS	"H2O
.0700		17.8 - 18.0	
.0611		12.3 - 14.0	
.0700		WITHIN 0.3"	
.0700		16.8 - 19.0	

HYSTERESIS CHECK
RAR (SERVICE ONLY)
TEST PER EI-1257
PRODUCTION AND SERVICE

PARTS LIST 2524642

Test Specification
Automatic Mixture Control Flow
Figure 9.

THE BENDIX CORPORATION, ENERGY CONTROLS DIVISION, SOUTH BEND, INDIANA, U. S. A.

TEST SPECIFICATION

DATE: 20-MAY-81

OPERATOR
MODEL - AMC
PARTS LIST
SERIAL NO. (14-1911)
DATE (1-1311)
PAGE CODE (32-311)
(20-2)

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AUTOMATIC MIXTURE CONTROL FLOW TEST LIMITS

DENSITY	#/CU. FT.	LIMITS	"H2O
.0700		18.5 - 18.7	
.0611		12.9 - 13.7	
.0700		HYSTERESIS CHECK WITHIN 0.3"	
.0700		17.5 - 19.7	

TEST PER EI-1257
PRODUCTION AND SERVICE

PARTS LIST 2524666

Test Specification
Automatic Mixture Control Flow
Figure 10.

THE BENDIX CORPORATION, ENERGY CONTROLS DIVISION, SOUTH BEND, INDIANA, U. S. A. TEST SPECIFICATION DATE: 20-MAY-81

OPERATOR MODEL-AMC SERIAL NO. (14-19)1 10326-01 (20)
PARTS LIST (1-13)DATE (32-37)PAGE CODE

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AUTOMATIC MIXTURE CONTROL FLOW TEST LIMITS

DENSITY	#/CU. FT.	LIMITS	"H2O
.0700		18.9 - 19.2	
.0611		13.8 - 14.8	
.0700		HYSTERESIS CHECK WITHIN 0.3"	
.0700		RAR (SERVICE ONLY) 17.9 - 20.2	

TEST PER EI-1257
PRODUCTION AND SERVICE

PARTS LIST 2524695

Test Specification
Automatic Mixture Control Flow
Figure 11.

THE BENDIX CORPORATION, ENERGY CONTROLS DIVISION, SOUTH BEND, INDIANA, U. S. A. DATE: 20-MAY-81

TEST SPECIFICATION

MODEL AMC SERIAL NO. (14-1911-10123-01) (20-
PARTS LIST (1-13) DATE (32-37) PAGE CODE

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AUTOMATIC MIXTURE CONTROL FLOW TEST LIMITS

DENSITY #/CU. FT.	LIMITS "H2O
.0700	19.0 - 19.2
.0611	19.9 - 21.1
.0700	WITHIN 0.3"
.0700	18.0 - 20.2

TEST PER EI-1258
PRODUCTION AND SERVICE

PARTS LIST 2524736

Test Specification
Automatic Mixture Control Flow
Figure 12.

Service Information Letter - Fuel Systems

Small Reciprocating
Engines
No. SIL-20, Amend. 1
Issued 1-20-83
Page 1 of 2

SUBJECT: AUTOMATIC MIXTURE CONTROL FLOW TEST LIMITS.

NOTE: Amendment 1 supplements S.I.L. 20, issued 6-15-81.

PURPOSE: To provide service facilities with latest Automatic Mixture Control Flow Test Limits.

Add or replace flow test limits as indicated.

<u>A.M.C. Parts</u> <u>List No.</u>	<u>New Test</u> <u>Specification</u>	<u>Old Test</u> <u>Specification</u>
2524695	10413-01	10326-01



**Energy Controls
Division**

717 N. Bendix Dr., South Bend, Indiana 46620

THE BENDIX CORPORATION, ENERGY CONTROLS DIVISION, SOUTH BEND, INDIANA, U. S. A. DATE: 11-NOV-81

TEST SPECIFICATION

OPERATOR _____ MODEL _____ SERIAL NO. _____ (14-121) _____ (1911) _____ (01) _____ (20-251)

AMC ASSEMBLY _____ (1-13) DATE _____ (12-37) PAGE CODE _____

PARTS LIST _____

AUTOMATIC MIXTURE CONTROL FLOW TEST LIMITS

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DENSITY	#/CU. FT.	LIMITS	"H2O
.0700		15.25 - 15.45	
.0611		11.1 - 11.8	
.0700		WITHIN 0.3"	
.0700		14.25 - 16.45	

HYSTERESIS CHECK
 RAR (SERVICE ONLY)

PARTS LIST 2524695

K R Dettweiler
 K. R. Dettweiler
 Manager of Service

Test Specification
 Automatic Mixture Control Flow
 Figure 1.