

	REGISTRO <i>RECORD</i>	REVISÃO <i>REVISION</i> 02
CODIGO CODE IAS-RG-0223	FICHA DE SERVIÇOS <i>Service Sheet</i>	PAGINA <i>PAGE</i> 1/9

COMPONENTE Component	O.S W.O	MODELO Model	PN	SN
FUEL CONTROL UNIT		DP-N2 Gas Turbine Fuel Control		

IDENTIFICAÇÃO IDENTIFICATION			
TÍTULO FICHA PARA REGISTROS DE TESTE DA FUEL CONTROL UNIT <i>TITLE FUEL CONTROL UNIT TEST SHEET</i>			
PUBLICAÇÃO PUBLICATION	REFERÊNCIA REFERENCE	TLN	DATA DATE
COMPONENT MAINTENANCE MANUAL WITH ILLUSTRATED PARTS LIST	73-20-21	TLN02184	Dec 9, 2016 Temporary Revision 73-34
CONJUNTO MAIOR MAIN PART			
		PN	SN

TESTE APLICÁVEL AOS PART NUMBERS TEST APPLICABLE TO PART NUMBERS						
2524644-29	2524644-30	2524644-31	2524644-32	23057344	23065104	23070606

TESTE DA UNIDADE DE CONTROLE DE COMBUSTÍVEL FUEL CONTROL UNIT TEST				
ITEM <i>Item</i>	PROCEDIMENTOS TOLERÂNCIAS <i>Procedures Serviceable limits</i>	Resultado <i>Result</i>	Data <i>Date</i>	Executante <i>Performed by</i>
A	Monte o controle no suporte usando o acessório de montagem do suporte de calibração (PN 2550136) e adaptador estriado (PN 2550139). <i>Mount the control on the stand using the (PN 2550136) Calibration Stand Mounting Fixture and (PN 2550139) Spline Adapter.</i>			
B	Instale o encaixe de Pressão PX (PN 2550113) no lugar da tampa da alavanca do fole. Use um packing equivalente com uma conexão. <i>Install the (PN 2550113) PX Pressure Fitting in place of bellows lever cover. Use a packing equivalent with a fitting.</i>			
C	Instale o Quadrante de Aceleração (PN 2550183) na extremidade do eixo de aceleração e torqueie de 40-50 lb.in. Posicione o ponteiro de modo que leia 0 graus com a alavanca do acelerador contra o parafuso de batente mínimo. <i>Install the (PN 2550183) Throttle Quadrant on the end of the throttle shaft and tighten to 40-50 lb-in. Position the pointer so that it reads 0 degrees with the throttle lever against minimum stop screw</i>			
D	As condições do teste devem ser estabilizadas de acordo com as seguintes tolerâncias: (1) Velocidade (RPM) ± 5 RPM (2) Suprimento de combustível (PPH) ± 1 PPH no intervalo de 0-99 $\pm 0.1\%$ PPH no intervalo de 100 ou maior. (3) Ângulo de aceleração (DEG.) ± 0.25 graus. (4) PC (psia absoluto) ± 0.10 psia. <i>Test conditions shall be established within the following tolerances:</i> (1) Speed (RPM) ± 5 RPM. (2) Fuel Supply (PPH) ± 1 PPH in the range 0-99 $\pm 0.1\%$ PPH in the range 100 or greater. (3) Throttle Angle (DEG.) ± 0.25 degree. (4) PC (psia absolute) ± 0.10 psia			
E	Faça um check inicial de todos os testes para uma função específica. Registre as respostas dos testes na ficha de serviço. <i>Make an initial check of all tests for a specific function. Record test responses on a worksheet.</i>			
F	Faça todos os ajustes necessários. <i>Make any needed adjustments.</i>			
G	Repita as checagens para as respostas requeridas e realize os ajustes necessários. <i>Repeat checks for required responses and make needed adjustments.</i>			

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ITEM	PROCEDIMENTOS TOLERÂNCIAS	Resultado	Data	Executante
Item	Procedures Serviceable limits	Result	Date	Performed by
H	Verifique se todas as conexões do teste foram realizadas. Visually verify all test connections are completed.			

TESTE INICIAL | INITIAL TEST

TEST SPECIFICATION							
SOUTH BEND, IN USA							
CAGE CODE NO:		SERIAL NO:		FURNISHED UNDER CONTRACT NO.			
BENCH NO:		MODEL:		DP-N2		TEST SPEC NO. 12862	
OPERATOR NO:		PARTS LIST: 2524644		TEST SPEC TYPE: PRODUCTION		LATEST REV: -01	
DATE RELEASED: 96-05-29		TEST DATE:		REV DATE:		PAGE NO: 1 OF 5	

SERVICE LIMITS

TEST | FUEL | THROT |
POINT | RPM | PHR | DEG. | PSIA | MIN | RCD | MAX | "HG | "HG | "HG |

1.000 CUTOFF LEAKAGE AND THROTTLE TORQUE

.020	0	AR	0	LOCAL	0	1CC/MIN. SET 50 PSIG P1 INLET PRESSURE.
.030	0	0	0-WO-0	LOCAL		THROTTLE TORQUE 15 POUND-INCHES MAXIMUM.

2.000 RELIEF VALVE OPENING AND RELIEF VALVE CAPACITY

.010	0	100-175	WO	100	RELIEF VALVE OPENING. P1-PO MIN. 630	PSI
.020	0	1350	WO	100	RELIEF VALVE CAPACITY. P1-PO	900 PSI MAX.

3.000 START DERICHMENT

	1	2	3	4	PC-PA	PC-PY INCHES HG
					IN.HG.	MIN RCD MAX
.010	0	0	MAX	5.2		MUST BE ADJUSTABLE TO PC-PY OF 1.3-1.6
.020	0	0	MAX	6.5	0.0	0.7

5.000 MINIMUM FLOW

.010	2500	560	21-30	27	(REMOVE PY LINE)	24.0	28.0	ATM.	(START DERICHMENT UNIT BLANKED OFF)
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TEST SPECIFICATION									
SOUTH BEND, IN USA									
CAGE CODE NO:					FURNISHED UNDER CONTRACT NO.				
BENCH NO:			SERIAL NO:			MODEL:	DP-N2	TEST SPEC NO.	12862
OPERATOR NO:			PARTS LIST:	2524644		TEST SPEC TYPE:	PRODUCTION	LATEST REV:	-01
DATE RELEASED:	96-05-29		TEST DATE:			REV DATE:			PAGE NO: 2 OF 5

[FUEL | THROT |
 TEST | SPEED | SUPP | ANGLE | PC | NOZZLE FLOW PHR | P1-P2 | PC-PY | PC-PX |
 POINT | RPM | PHR | DEG. | PSIA | MIN | RCD | MAX | "HG | "HG | "HG |

6.000 SPEED ENRICHMENT SETTING

RECORD ACCEL SCHEDULE ADJUSTER POSITION FROM THE CCW STOP 0 [] 8 CLICKS
 RE-POSITION THE ADJUSTER TO 3 CLICKS FROM THE CCW STOP []

.010	2400	550	MAX	31	72.5	[]	88.5	[]	[]
.020	2700	675	MAX	37	85.0	[]	103.0	[]	[]
.030	3100	750	MAX	47	122.5	[]	141.5	[]	[]
.040	3400	8500	MAX	57.5	164.5	[]	185.5	[]	[]
.050	3700	900	MAX	70	210.0	[]	231.0	[]	[]
.060	4000	950	MAX	84	252.5	[]	274.5	[]	[]

7.000 METERING VALVE MAXIMUM STOP ADJUSTMENT

	3	4	1	2					
.010	4200	1150	MAX	100	240	[]	250		
.020	4200	1150	MAX	100	279	[]	286	[]	[]

LOW MAX FLOW SETTING
 P2 [] PSI MUST MEET
 LIMITS OF PARA 8-2.

8.000 METERING VALVE HYSTERESIS CHECK

	3	4	1	2					
.010	3400*	850	MAX	57.5*	-8.0	[]	+8.0	[]	[]
.020	3100*	750	MAX	47.0*	-8.0	[]	+8.0	[]	[]

HYST DIFF FROM TPT 6.040
 HYST DIFF FROM TPT 6.030

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OPERATOR NO:			PARTS LIST:	2524644		TEST SPEC TYPE:	PRODUCTION	LATEST REV:	-01
DATE RELEASED:	96-05-29		TEST DATE:			REV DATE:			PAGE NO: 3 OF 5

[FUEL | THROT |
 TEST | SPEED | SUPP | ANGLE | PC | NOZZLE FLOW PHR | P1-P2 | PC-PY | PC-PX |
 POINT | RPM | PHR | DEG. | PSIA | MIN | RCD | MAX | "HG | "HG | "HG |

9.000 MAXIMUM GOVERNOR SPRING SETTING (SET PR-PA AT 1.0 INCH HG FOR PARAGRAPH 9.000)

	4-6	3-5	1	2					
.010	[]	1100	MAX	81	245	[]	[]	[]	[]
.020	[]	1100	[]	81	225	[]	240	[]	(MUST BE ADJUSTABLE TO 4420-4475)
.030	[]	1100	MAX	81	200	[]	[]	[]	[]
.040	[]	1100	[]	81	160	[]	[]	[]	(MUST BE WITHIN 80-155 RPM OF POINT 9.020)
.050	[]*	1100	"	81	SAME	[]	AS	[]	SPEED HYST TO BE WITHIN 125 RPM OF POINT 9.020

TPT 9.020

10.000 IDLE SPEED STOP SETTING AND CAM PICKUP ANGLE

	4-6	3-5	1	2					
.010	[]	660	21-30	31	55	[]	58	[]	(MUST BE ADJUSTABLE TO 2620-2640 RPM)

INCREASE THROTTLE ANGLE UNTIL 4 PHR MAXIMUM FUEL FLOW FROM 10.010 IS OBSERVED
 (THROTTLE ANGLE AT 4 PHR INCREASE IS PICKUP ANGLE).

.020	"	660	[]	31	X	[]	X	[]	RECORD CAM PICKUP ANGLE 32-41 DEG WITH IDLE SPEED ADJUSTED TO 2620-2640.
.030	"	660	15	31	-4	[]	+4	[]	FLOW TO BE WITHIN 4 PHR OF TPT 10.010.
.040	2800	660	30	31	X	[]	X	[]	[]
.050	[]*	660	30	31	SAME	[]	AS	[]	HYST WITHIN 63 RPM OF RECORDED RPM AT TPT 10.010.

TPT 10.010

11.000 WF/PC MINIMUM FLOW

	3	4	1	2					
.010	4000*	1150	21-30	60*	69	[]	99	[]	[]
.020	3000*	850	21-30	36*	43	[]	57	[]	[]

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BENCH NO:		SERIAL NO:				MODEL:		DP-N2		TEST SPEC NO. 12862	
OPERATOR NO:		PARTS LIST:		2524644		TEST SPEC TYPE:		PRODUCTION		LATEST REV: -01	
DATE RELEASED:		96-05-29		TEST DATE:		REV DATE:				PAGE NO: 4 OF 5	

TEST | SPEED | FUEL | THROT | SUPP | ANGLE | PC | NOZZLE FLOW PHR | P1-P2 | PC-PY | PC-PX |
 POINT | RPM | PHR | DEG. | PSIA | MIN | RCD | MAX | "HG | "HG | "HG |

12.000 ACCELERATION CURVE (START DERICHMENT UNIT BLANKED OFF AT TPTS 12.010, 12.020 AND 12.060)

	3	4	1	2					
.010	600	72	30	14.7	31.5		39		
.020	1000	200	30	17.0	36		48		
.030	1700	300	30	22.0	48		64		
.040	2400	550	30	31.0	73		X		
.050	1700*	300	30	22.0*	-8.0		+8.0		
.060	2400	550	MAX	14.7	31.5		39.0		

HYST DIFF FROM TPT 12.030.

13.000 START - ACCEL SCHEDULE ADJUSTER CHECK

.010	1700	300	30	22.0	X		X		
.020	1700	300	30	22.0	+5.0		+11.0		
.030	1700	300	30	22.0	X		X		
.040	1700	300	30	22.0	-8.0		-2.0		
.050	1700	300	30	22.0	48		64		

ADJUSTER TO BE TURNED TO CW STOP.
 DIFFERENCE FROM TPT 13.010.
 RETURN ADJUSTER TO 3 CLICKS FROM CCW STOP.
 ADJUSTER TO BE TURNED TO CCW STOP.
 DIFFERENCE FROM TPT 13.030.
 RETURN ADJUSTER TO 3 CLICKS FROM CCW STOP.

14.000 PR-PG VALVE (SET 10 PSIG AHEAD OF A #80 P/N 392502 BLEED FOR PARAGRAPH 14.000)

.010	0	0			LOCAL				
.020	0	0	MAX		LOCAL				
.030	0	0	MAX		LOCAL				
.040	0	0	30		LOCAL				

RETARD THROTTLE TO OBTAIN 20 [] 40 INCHES KEROSENE DROP.
 THROTTLE ANGLE MUST BE 37-41 DEGREES.
 PR LEAKAGE 0 [] 4.0 INCHES KEROSENE.
 PG LEAKAGE (PR PORT PLUGGED) 0 [] 7.0 INCHES KEROSENE.
 PR TO PG FLOW [] 16.3 INCHES HG MINIMUM.

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OPERATOR NO:		PARTS LIST:		2524644		TEST SPEC TYPE:		PRODUCTION		LATEST REV: -01	
DATE RELEASED:		96-05-29		TEST DATE:		REV DATE:				PAGE NO: 5 OF 5	

TEST | SPEED | FUEL | THROT | SUPP | ANGLE | PC | NOZZLE FLOW PHR | P1-P2 | PR-PA | PC-PX |
 POINT | RPM | PHR | DEG. | PSIA | MIN | RCD | MAX | "HG | "HG | "HG |

15.000 GOVERNOR RESET CHECK

	3	4	1	2					
.010	3660	900	MAX	63	153		157	X	
.020	2675	550	MAX	32	57		59	X	
.030	3660	900	MAX	63	SAME		AS	-0.8	+0.8

TPT 15.010.

17.000 EXTERNAL LEAKAGE CHECK

.010 SET P1 PRESSURE AT 900 PSIG.
 .020 OBSERVE FOR LEAKAGE. NONE PERMITTED. OK [] REJ.
 .030 INSTALL BELLOWS RATIO LEVER COVER AND O-RING.

18.000 PNEUMATIC LEAK TEST

.010 SET DRIVE SPEED TO 0 RPM.
 .020 CAP PY FITTING.
 .030 APPLY 100 PSIA PC PRESSURE.
 .040 USE LEAK TEST SOLUTION TO CHECK FOR IMMEDIATE LEAKAGE IN THE FOLLOWING AREAS:
 BELLOWS PX RATIO COVER-TORQUE TUBE BEARING COVER-PC FILTER FITTING-PY FILTER FITTING.
 OK [] REJ

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TESTE FINAL | FINAL TEST

TEST SPECIFICATION		DATE: 1-NOV-93	
ALLIED-SIGNAL INC., ALLIED-SIGNAL AEROSPACE COMPANY, BENDIX ENGINE CONTROLS DIV., SOUTH BEND, IN USA			
MODEL DP-N2	SERIAL NO.	(14-19)	12670 -01 (20-25)
OPERATOR	PARTS LIST	(1-13)	DATE (32-37) PAGE CODE
		RELEASED: 93-12-13	

FINAL

THIS TEST SPECIFICATION IS COMPOSED OF THE FOLLOWING AND SHALL BE TESTED IN THE SEQUENCE LISTED:

PAGE NO.	PAGE CODE	
1.	034 -001-207 -011	1.000 BY-PASS COVER TORQUE, CUT-OFF SETTING, & THROTTLE TORQUE
	034 -001-263 -001	2.000 RELIEF VALVE OPENING AND RELIEF VALVE CAPACITY
	034 -001-080 -022	3.000 START DERICHMENT
2.	034 -001-204 -043	4.000 METERING VALVE LINEARITY
	034 -001-164 -007	5.000 MINIMUM FLOW AND ACCELERATION POINT
	034 -001-081 -001	6.000 SPEED ENRICHMENT SETTING
3.	034 -001-119 -015	7.000 METERING VALVE MAXIMUM STOP ADJUSTMENT
	034 -001-156 -001	8.000 METERING VALVE HYSTERESIS CHECK
	034 -001-280 -001	9.000 MAXIMUM GOVERNOR SPRING SETTING
4.	034 -001-351 -001	10.000 IDLE SPEED STOP SETTING AND CAM PICK-UP ANGLE
	034 -001-086 -043	11.000 WF/PC MINIMUM FLOW
5.	034 -001-112 -001	12.000 ACCELERATION CURVE
	034 -001-248 -062	13.000 START - ACCEL SCHEDULE ADJUSTER CHECK
6.	034 -001-263 -002	14.000 PR-PG VALVE
7.	034 -001-238 -001	15.000 GOVERNOR RESET CHECK
	034 -001-328 -001	16.000 PY ORFICE LEAK CHECK
	034 -001-105 -001	17.000 BLEED SIZES
	034 -001-044 -025	18.000 EXTERNAL LEAKAGE CHECK
8.	034 -001-121 -004	19.000 PNEUMATIC LEAK TEST
	034 -001-077 -020	20.000 ADJUSTMENT INFORMATION
9.	034 -001-352 -082	CROSS REFERENCE IDENTIFICATION

TEST SPECIFICATION		DATE: 1-NOV-93	
ALLIED-SIGNAL INC., ALLIED-SIGNAL AEROSPACE COMPANY, BENDIX ENGINE CONTROLS DIV., SOUTH BEND, IN USA			
MODEL DP-N	SERIAL NO.	(14-19)	12670 -01 (20-25)
OPERATOR	PARTS LIST	(1-13)	DATE (32-37) PAGE CODE
		RELEASED: (034- 01- 207- 011)	

FUEL TEMPERATURE 85 ± 5 DEG F BAROMETER _____ INCHES AT _____ 0 DEG FLOW BENCH NO. _____

TEST POINT	SPEED RPM	FUEL SUPP PPH	THROT ANGLE DEG	PC PSIA	NOZZLE FLOW PPH MIN	PPH RCD	PPH MAX	P1-P2 INCHES HG	PC-PY INCHES HG	PC-PX INCHES HG
1.000 <u>BY-PASS COVER TORQUE, CUT-OFF SETTING, AND THROTTLE TORQUE</u>										
.010										CHECK BY-PASS COVER SCREWS TORQUE. 19 21 LB-IN
.020	0	AS REQ	LOCAL							SET 50 PSIG P1 PRESSURE. CUT-OFF THROTTLE ANGLE MUST BE 8-10 DEGREES. NUT ON ROD MUST HAVE .005 .010 IN CLEARANCE WITH THE SPACER AT 0 DEG. INBOARD THROTTLE ANGLE MUST BE 30 DEGREES . THROTTLE TORQUE 0 12 LB.-IN.
.030	"	"	0	"	0		1CC/MINUTE			(034- 01- 263- 001)
.040	"	0	30	"						
.050	"	"	0-WO-0	"						
2.000 <u>RELIEF VALVE OPENING AND RELIEF VALVE CAPACITY</u>										
.010	0	100-175	WO	100						P1-PO P.S.I. 650 X
.020	"	1350	"	"						RELIEF VALVE CAPACITY. P1-PO X 840
.030	"		"	"	FUEL SUPPLY NOT TO EXCEED 150 PPH AT 600 P.S.I. P1 PRESSURE.					(034- 01- 080- 022)
3.000 <u>START DERICHMENT</u>										
				PC-PA IN.HG.						
.010	1	2	3	4						
.020	0	0	MAX	5.2				1.3 1.6		
	"	"	"	6.5				0.0 0.5		
SET POINTER TO 70 + 5 DEGREES FROM THE CCW STOP. DEGREES. LOCKING CLAMP MUST BE 1 1/2 2 1/2 TURNS OFF THE LOCKING NUT.										

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		MODEL DP-N		SERIAL NO.				(14-19)		12670 -01 (20-25)	
OPERATOR		PARTS LIST		(1-13)				DATE		(32-37) PAGE CODE	
										RELEASED:	
(034- 01- 204- 043)											

TEST POINT	SPEED RPM	FUEL SUPP PPH	THROT ANGLE DEG	PC PSIA	NOZZLE FLOW MIN	PPH RCD	PPH MAX	P1-P2 INCHES HG	PC-PY INCHES HG	PC-PX INCHES HG
4.000 METERING VALVE LINEARITY										
	3	4	1	2						
.010					ACCEL ADJUSTER MUST BE 3 CLICKS FROM CCW STOP CLICKS.					
.020	0	300	MAX	24	60.0					
.030	"	560	"	27	25.5					REMOVE PY LINE FOR TPT 4.030 ONLY. SET MINIMUM METERING VALVE STOP. P1-P2 MUST BE 26-46 INCHES HG.
.040	"	900	"	90	228					PC-PY DIFF FROM TPT 4.020. MUST BE -1.0 +1.0 IN-HG
.050	"	"	"	"	"					PC-PX DIFF FROM TPT 4.020 MUST BE -1.0 +1.0 IN-HG
(034- 01- 164- 007)										
5.000 MINIMUM FLOW AND ACCELERATION POINT (START DERICHMENT UNIT BLANKED OFF FOR TPT 5.010 AND 5.020)										
	3	4	1	2						
.010	2500	560	21-30	27	25.5					REMOVE PY LINE FOR TPT 5.010 ONLY
.020	600	72	MAX	14.7	33.5					P2 MUST MEET FI LIMITS OF 50 75 P.S.I.G.
(034- 01- 081- 001)										
6.000 SPEED ENRICHMENT SETTING										
	3	4	1	2						
.010	2400	550	MAX	31	76.5					
.020	2700	675	"	37	90.0					
.030	3100	750	"	47	128.0					
.040	3400	850	"	57.5	171.0					
.050	3700	900	"	70	216.5					
.060	4000	950	"	84	257.5					P1-P2 MUST BE 26-46 IN. HG.

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		MODEL DP-N		SERIAL NO.				(14-19)		12670 -01 (20-25)	
OPERATOR		PARTS LIST		(1-13)				DATE		(32-37) PAGE CODE	
										RELEASED:	
(034- 01- 119- 015)											

TEST POINT	SPEED RPM	FUEL SUPP PPH	THROT ANGLE DEG	PC PSIA	NOZZLE FLOW MIN	PPH RCD	PPH MAX	P1-P2 INCHES HG	PC-PY INCHES HG	PC-PX INCHES HG
7.000 METERING VALVE MAXIMUM STOP ADJUSTMENT										
	3	4	1	2						
.010	4200	1150	MAX	100	243					
.020	"	"	"	100	280					P2 MUST MEET FI LIMITS OF 365 545 P.S.I.G.
(034- 01- 156- 001)										
8.000 METERING VALVE HYSTERISIS CHECK										
	3	4	1	2						
.010	3400*	850	MAX	57.5*	X	X				FUEL FLOW DIFF FROM TPT 6.040 MUST BE -4.5 +4.5 PPH.
.020	3100*	750	"	47.0*	X	X				FUEL FLOW DIFF FROM TPT 6.030 MUST BE -4.5 +4.5 PPH.
(034- 01- 280- 001)										
9.000 MAXIMUM GOVERNOR SPRING SETTING (SET PR-PA AT 1.0 INCH HG FOR PARAGRAPH 9.000.)										
	4-6	3-5	1	2						
.010		1100	MAX	81		245				
.020		"	"	"	225		240			SET SPEED TO 4440-4465 R.P.M. MAX THROTTLE MUST BE 87-93 DEGREES.
.030		"	"	"		200				
.040		"	"	"		160				SPEED DIFF FROM TPT 9.020 MUST BE +95 +130 R.P.M.
.050		*"	"	"						SET FUEL FLOW THE SAME AS TPT 9.020. SPEED DIFF FROM TPT 9.020. MUST BE -43 +43 R.P.M.

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		MODEL DP-N		SERIAL NO.		(14-19)	12670 -01		(20-25)		
OPERATOR		PARTS LIST		(1-13)	DATE		(32-37)	PAGE CODE			
										RELEASED:	
(034- 01- 351- 001)											

TEST POINT	SPEED RPM	FUEL SUPP PPH	THROT ANGLE DEG	PC PSIA	NOZZLE FLOW MIN	PPH RCD	PPH MAX	P1-P2 INCHES HG	PC-PY INCHES HG	PC-PX INCHES HG	
10.000 IDLE SPEED STOP SETTING AND CAM PICK-UP ANGLE											
	4-6	3-5	1	2							
.010		660	21-30	31	55		58				SET SPEED TO 2620-2640 R.P.M.
.020	"	"		"							INCREASE THROTTLE ANGLE UNTIL FUEL FLOW IS +4 PPH FROM THAT RECORDED AT TPT 10.010. THROTTLE ANGLE MUST BE 34-39 DEG (CAM PICK-UP ANGLE).
.030	"	"	15	"	X		X				FUEL FLOW DIFF FROM TPT 10.010 MUST BE -3 +3 PPH.
.040	2800	"	30	"	X		X				SET FUEL FLOW THE SAME AS TPT 10.010.
.050		*"	"	"							SPEED DIFF FROM TPT 10.010 MUST BE -43 +43 R.P.M.
(034- 01- 086- 043)											
11.000 WF/PC MINIMUM FLOW											
	3	4	1	2							
.010	4000*	1150	21-30	60*	76		92	22.3		27.8	PC-PY MUST MEET LIMITS
"	"	"	"	"	"			11.6		14.3	PC-PX MUST MEET LIMITS
.020	3000*	850	"	36*	48		52				

TEST SPECIFICATION										DATE: 1-NOV-93	
ALLIED-SIGNAL INC., ALLIED-SIGNAL AEROSPACE COMPANY, BENDIX ENGINE CONTROLS DIV., SOUTH BEND, IN USA											
		MODEL DP-N		SERIAL NO.		(14-19)	12670 -01		(20-25)		
OPERATOR		PARTS LIST		(1-13)	DATE		(32-37)	PAGE CODE			
										RELEASED:	
(034- 01- 112- 001)											

TEST POINT	SPEED RPM	FUEL SUPP PPH	THROT ANGLE DEG	PC PSIA	NOZZLE FLOW MIN	PPH RCD	PPH MAX	P1-P2 INCHES HG	PC-PY INCHES HG	PC-PX INCHES HG	
12.000 ACCELERATION CURVE (START DERICHMENT UNIT BLANKED OFF FOR TEST POINTS 12.010, 12.020 & 12.060)											
	3	4	1	2							
.010	600	72	30	14.7	33.5		37.0				
.020	1000	200	"	17.0	40.0		44.0				
.030	1700	300	"	22.0	52.0		60.0				
.040	2400	550	"	31.0	75.0		X				
.050	1700*	300	"	22.0*	X		X				FUEL FLOW DIFF FROM TPT 12.030 MUST BE -4.5 +4.5 PPH.
.060	2400	550	MAX	14.7	33.5		37.0				
(034- 01- 248- 062)											
13.000 START - ACCEL SCHEDULE ADJUSTER CHECK											
	3	4	1	2							
.010	1700	300	30	22.0	X		X				ADJUSTER MUST BE AT 3 CLICKS FROM CCW STOP. ADJUSTER TO BE TURNED TO CW STOP. FUEL FLOW DIFF FROM TPT 13.010 MUST BE +6.0 +10.0 P.P.H.
.020	1700	300	30	22.0	X		X				
.030	"	"	"	"	X		X				RETURN ADJUSTER TO 3 CLICKS FROM CCW STOP. ADJUSTER TO BE TURNED TO CCW STOP. FUEL FLOW DIFF FROM TPT 13.030 MUST BE -7.0 -3.0 P.P.H.
.040	"	"	"	"	X		X				
.050	"	"	"	"	52.0		60.0				RETURN ADJUSTER TO 3 CLICKS FROM CCW STOP.

 CODIGO CODE IAS-RG-0223	REGISTRO RECORD	REVISÃO REVISION	02
	FICHA DE SERVIÇOS Service Sheet	PAGINA PAGE	8/9

TEST SPECIFICATION										DATE: 1-NOV-93			
ALLIED-SIGNAL INC., ALLIED-SIGNAL AEROSPACE COMPANY, BENDIX ENGINE CONTROLS DIV., SOUTH BEND, IN USA													
		MODEL DP-N		SERIAL NO.				(14-19)		12670 -01 (20-25)			
OPERATOR		PARTS LIST		(1-13)				DATE		(32-37)			
										PAGE CODE			
										RELEASED:			
(034- 01- 263- 002)													

TEST POINT	SPEED RPM	FUEL SUPP PPH	THROT ANGLE DEG	PC PSIA	NOZZLE FLOW MIN	PPH RCD	PPH MAX	P1-P2 INCHES HG	PC-PY INCHES HG	PC-PX INCHES HG
14.000 <u>PR-PG VALVE</u> (SET 10 PSIG AHEAD OF A #80 P/N 392502 BLEED FOR PARAGRAPH 14.000).										
.010	0	0		LOCAL	REDUCE THROTTLE ANGLE TO OBTAIN 20 40 IN. KEROSENE DROP ACROSS THE BLEED. THROTTLE ANGLE MUST BE 38.5 - 39.5 DEGREES.					
.020	"	"	MAX	"	PR LEAKAGE MUST BE 0 2.5 IN. KEROSENE DROP ACROSS THE BLEED.					
.030	"	"	"	"	PLUG PR PORT FOR TPT 14.030 ONLY. PG LEAKAGE MUST BE 0 5.5 IN. KEROSENE DROP ACROSS THE BLEED.					
.040	"	"	30	"	PR TO PG FLOW MUST BE 16.3 X IN. HG DROP ACROSS THE BLEED.					
.050	"	"	"	50	PLUG PG PORT FOR TPT 14.05 ONLY. PG CHANNELING CHECK. PC-PY MUST BE 0 2.0 IN. HG.					

TEST SPECIFICATION										DATE: 1-NOV-93			
ALLIED-SIGNAL INC., ALLIED-SIGNAL AEROSPACE COMPANY, BENDIX ENGINE CONTROLS DIV., SOUTH BEND, IN USA													
		MODEL DP-N		SERIAL NO.				(14-19)		12670 -01 (20-25)			
OPERATOR		PARTS LIST		(1-13)				DATE		(32-37)			
										PAGE CODE			
										RELEASED:			
(034- 01- 238- 001)													

TEST POINT	SPEED RPM	FUEL SUPP PPH	THROT ANGLE DEG	PC PSIA	NOZZLE FLOW MIN	PPH RCD	PPH MAX	PR-PA INCHES HG MIN	INCHES HG RCD	INCHES HG MAX	PC-PY INCHES HG
15.000 <u>GOVERNOR RESET CHECK</u>											
.010	3660	900	MAX	63	153		157	X		8.2	
.020	2675	550	"	32	57		59	X		X	
.030	3660	900	"	63	X		X	X		X	
											SET FUEL FLOW THE SAME AS TPT 15.010. PR-PA DIFF FROM TPT 15.010 MUST BE -0.3 +0.3 IN. HG.
(034- 01- 328- 001)											

TEST POINT	SPEED RPM	FUEL SUPP PPH	THROT ANGLE DEG	PC PSIA	NOZZLE FLOW MIN	PPH RCD	PPH MAX	PR-PA INCHES HG MIN	INCHES HG RCD	INCHES HG MAX	PC-PY INCHES HG
16.000 <u>PY ORIFICE LEAK CHECK</u>											
.010	0	0	MAX	50	0 2.0						(034- 01- 105- 001)
17.000 <u>BLEED SIZES</u>											
.010	RECORD PX BLEED NUMBER AFTER FINAL CALIBRATION.										NUMBER
.020	RECORD PY BLEED NUMBER AFTER FINAL CALIBRATION.										NUMBER
											(034- 01- 044- 025)
18.000 <u>EXTERNAL LEAKAGE CHECK</u>											
.010	SET P1 PRESSURE AT 900 PSIG.										
.020	OBSERVE FOR LEAKAGE - NONE PERMITTED. OK REJ.										
.030	INSTALL BELLOWES RATIO LEVER COVER AND O-RING.										

