DENSO		<u>Parties ou</u>	itside the secret				1 &	気がベスト
Structure system d		nufacturing department 2 production engineer	ing ry6m 4吉 6/02/03 日 坂	озмільбол 08 6/02/0	à	Distribution cloth Ahead		
Line name		2/8/2016 Assembly part number, part name	世/ 坂/	/ 地/	name			
690A MG Stereoline		212100-0080 Stater S / A, Mo	Tar			For ini	itial flow	
System No. Systematic name	<1/1>	Model Product Name	101		Priority management designation Delivery destination, reserved vehicle type	<u> </u>	2 17.17	
Ten Terminal welding (neutral wire)		212101-0080 ASSY DRAWING,	statuser		Toyota 690A			
		10-001 Coil S / A, Steer 10-002 V-layer welding 10-004 W layer welding ASSY DRAW 212101-008	212:	5 / A, monitor 240-0060 mp				
				ı				
								
No. Revision Date		Revision item			Reason for revision			Revised person

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Revision Date	Revision item	Reason for revision	Revised person					
品質と安全のデンソー								

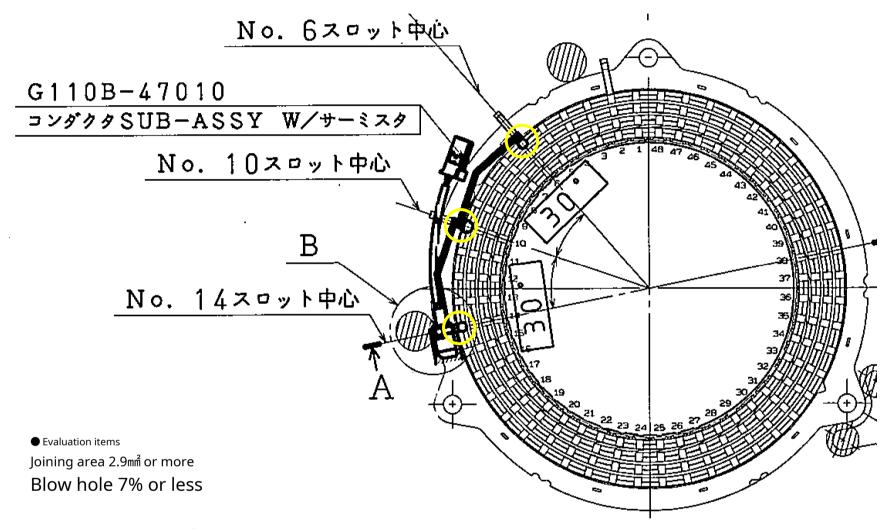
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Pr	ocess	s co	ntro	ol statement	date of creation	turing department 2 production engineeri		小 /02/03 6/02/0 坂 地		Distribi cloth Ahead	itien				
System No.	-System diagra	m numbe	er Line name		Assem	nbly part number, part name		<u> </u>	name			Cl			
600	A N4C	C +-				12100-0080	Так		Hame		or initial	MOIT			
690 Process No	A MG		Station	.2.4	/a-	rater S / A, Mo	lar		Priority management designation	1		1717			
Ter	1				2	12100-0080			Toyota						
	nal weld	ling (ı	neutra	l wire)	St	ater S / A, Mo	Tar		690A						
	uality>	ıren heat vy	No.	Characterist	tic		Management method		Process capability		remarks			Quality I	
	r\$	t	1	Main air pressure 0.4 ± 0.05MPa		Management interval 1 / Direct (at the time of work)	Management method Condition management	Administrator worker	σ, X, Cp, Cpk				Re	lationship cri	iteria
	<u> </u>		2	Pressure gauge (0.001) Ar gas flow rate 10 ± 5 L / min Flowmeter (0.1)	1	1 / Direct (at the time of work)	Check sheet Condition management	worker							
	·	0	3	Welding strength 64.2N or more Push pull gage (0.01N)		1 / direct	Check sheet x-Rs control chart	Team leader		A total of 4 location					
		0	Fo	U Weld cross-sectional area 2.9mm or more		1 / W	Proposal	Partial inspection		* 3 10 slots on the main line A total of 4 location			layer.		
		* 2	Fiv	X-ray (0.01mm²) /eTwist side height after welding 96.	.15 mm or less	4 / Nao	x-Rs control chart xR control chart	Team leader Team leader		* 3 10 slots on the main line A total of 3 location			layer.		
	\ \ \		6	Dedicated measuring instrument (0.01) Distance between in-phase conductors 1.05		4 / Nao	xR control chart	worker		* 3 stratified man	_	14 slots	<u> </u>		
Ċ	•	0	7	Visual device * Between	n 2-3T					* 3 stratified man	agement		<u> </u>		
	→	0		Distance between phase conductors 4 mm o Caliper (0.01) * 1-2T	or more	4 / Nao	xR control chart	worker		6 places in total on the * 6 stratified man	_	0 and 14 slots			
		0	8	No film burning Visual check		4 / Nao	Check sheet	Team leader		* See limit san	nple				
			9	Welded mating surface is Visual check	melted	4 / Nao	Check	worker		* See limit san					
			Ter	No blow hole (≤7% provis	sional) X-	1W, when adjusting welding conditions	Proposal	Team leader		Jee mine san	<u>.p.c</u>				
			11 11	Welded ball quality (no ball sepa Visual check (see limit samp		2 / Straight, welding condition adjustment	Totheck	worker		* See limit san	nnle				
			12			4 / Nao 100%	XR control chart	Team leader worker		See IIIIIIe Sui	трте				
			13		elding time 0.2s ± 0.05s		xR control chart Equipment automatic check	Team leader worker							
			14		rrent value 200A ± 20A	4 / Nao 100%	xR control chart Equipment automatic check	Team leader worker							
			15		elding time 0.3s ± 0.05s	4 / Nao 100%	XR control chart Equipment automatic check	Team leader worker							
			16 16	Welding conditions (crossover) Current value	e 175A ± 15A	4 / Nao	xR control chart	Team leader							
		0	17 17	Welding monitor Welding conditions (crossover) Welding	time 0.25s ± 0.05s	100% 4 / Nao	xR control chart	Worker Team leader							
				Welding monitor		100%	Equipment automatic check	worker							
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INO	Revis	ion Date			Ке		- 			Reason for revisi	וזכ			Revised p	person

Ctrusture system diagram	Electric ma	nufacturing department 2 production engineerin	Approval G 706m 4吉 6/02/08 田	小 6/02/03 坂	山 6/02/03 地			Distribution cloth Ahead	on				
Line name		Assembly part number, part name 212100-0080				name		Fo	or initi	ial flov	v		
690A MG Stereoline	Stater S / A, Mo Tar			Priority management designation									
System No. Systematic name <1/1> Ten		212101-0080				Delivery destination, reserved ve	ehide type	•	·				
Terminal welding (neutral wire)	ASSY DRAWING, statuser			Toyota 690A									

Joint area & blow hole scrutiny department Place and frequency

Measure	interval	Rotation number	
6 slots	1-2T	1 / W	1,2
14 slots	1-2T	1 / W	1,2
0 slot	1-2T outside (A)	4 ()4(1)
0 slot	Within 1-2T (B)	1 / W	2

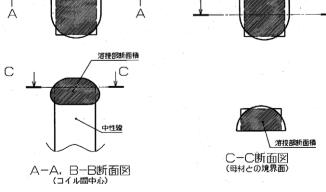


溶接断面積の測定手順

・図7-4に示す溶接部をA-A、B-Bでカットする。

・図アー5に示すA-A、B-B断面図のハッチング部の面積を測定する。 ・母材との境界面の溶接断面積を測定する場合は、図アー5に示すA-A、B-B断面図のC-Cでカットし、C-C 断面図のハッチング部の面積を測定する。 なお、母材上面の溶け残りがない場合は、溶接断面積が確保されているため、 カット不要とする。

溶接部 図7-4 溶接断面基準



No.	Revision Date	Revision item	Reason for revision	Revised person