<b>DENSO</b>		<u>Parties o</u>	outside the secret						1被	T N	21
Structure sys	stem diagram date of creation	manufacturing department 2 production engine 2/8/2016	ering rpom 4 書	山 6/02/08 trb		Distributi cloth Ahead	on				
Line name		Assembly part number, part name			name	<u> </u>	_				
690A MG Stere	oline	212100-0080 Stater S / A, Mo	Tar		Priority management designation	\$		ntity confir	mation		
System No. Systematic name	<1/1>	Model Product Name	101		Delivery destination, reserved vehicle type		<u> </u>	2 1717			
17 17	or line)	212100-0080	Tar		Toyota 690Δ						
Terminal welding (pow	er line)	17-001 Wire S / A, lead  17-002 W layer welding  17-003 V-layer welding	21217 I (power line) electrode clamp	/ A, lead 0-0290	690A						
No. Revision Date		Revision item			Reason for revision					Revised	person

Reason for revision

Revision item

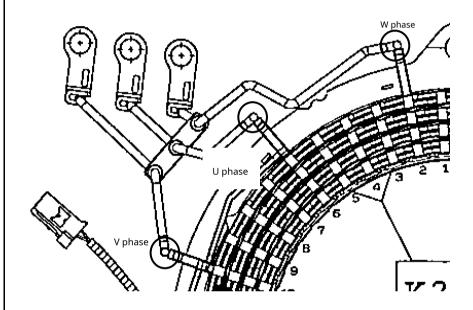
No.

D	EN.	SC	)				Confidentiali	ity								6	1 20 1	<b>%</b> ~Z	,  -
Pr	oces	s cc	ntro	ol statement	Issuing section  Electric ma		lepartment 2 production engineerir	6/02/03 6	· 小 /02/08	екаmination  (6/02/08			Distribution cloth	on					
System No	System diagr	am numbe	er Line name				2016 number, part name		坂/	地			741644						<u></u>
				212100-0080					name For initial flow										
690A MG Stereoline				State	r S / A, Mo	Гar			Priority management des	signation	\( \( \chi_1^2 \)	200	<u> </u>	)					
Process No.	). Proces	s name	Station	name <2/	2>	Model Product N	100-0080				Delivery destination, reserved vehicle	type							
	inal weld	dina (	nower	line)				Γar			Toyota 690A								
	Quality>	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	power			State	1				03071					_			
At th	e time of meas	ure <b>rhleat</b> /y	No.	Characterist Measuring inst			Management interval	Management method  Management method	Admin	istrator	Process capability σ, X, Cp, Cpk		r	emarks				Quality II	
	·		1	Main air pressure 0.4 ± 0.05MPa Pressure gauge (0.001)	a		1 / Direct (at the time of work)	Condition management Check sheet	worke	r									
			2	Ar gas flow rate $15 \pm 5 L / min$ Flowmeter (0.1)	1		1 / Direct (at the time of work)	Condition management Check sheet	worke	r									
		0	3	Weld strength 142.2N or more Push pull gage (0.01N)			1 / direct	x-Rs control chart	Team leader			U, V, W pl							
		0	Fo	Welded cross-sectional area 4.7mm or more			1 / W	Proposal	Partial inspec	tion		U, V, W pl	hase (2	2, 6, 10 s	lots) 3				
			Fiv	X-ray (0.01mm²) <b>e</b> Power line position φ5.4 (f	ree)		4 / Nao	x-Rs control chart  Recording paper	worke	r		stratified	mana	gement					
			6	Power line position φ4.4 (fix	(ed) or less		4 / Nao	Recording paper	worke	r		+							
			7	Power line height 10.8 (+ 4.2 / -0.8) (fr	ree) Dedicated		4 / Nao	Recording paper	worke	r									
	•		8	measuring instrument (0.01)  Power line height 9.8 (+ 4.2 / -0.8) (fix	ed) Dedicated		4 / Nao	Recording paper	worke	r		+							
	•		9	measuring instrument (0.01)  No film burning			4 / Nao	Check sheet	Team leader										
		<u>(C)</u>		Visual check  Welded mating surface is	melted		4 / Nao	Check	worke	r		* See limi	it samı	ole					
	◆			Visual check								* See limi							
			11 11	No blow hole (≤7% provis ray	-		1W, when adjusting welding conditions	Proposal	Partial inspec			U, V, W pl stratified							
			12	Welded ball quality (no ball sepa Visual check (see limit samp	ıle)		2 / Straight, welding condition adjustment	∏i <b>©h</b> eeck	worke	r		* See limi	it samı	ple					
			13	Welding conditions Current value 1 Welding monitor	90A ± 20A		4 / Nao 100%	xR control chart  Equipment automatic check	Team leader worke	r									
			14	Welding conditions Welding time Welding monitor	0.3s ± 0.0	)5s	4 / Nao 100%	xR control chart  Equipment automatic check	Team leader worke	r									
No	• Revi	sion Date		Revision item						Reason for revision								erson	

Structure system diagram	date of creation	uring department 2 production engine	eering point 4吉		Distribution cloth Ahead			
Line name		2100-0080		name	For i	initial flov	٧	
690A MG Stereoline		ater S / A, Mo	Tar	Priority management designation	\$ (		7	
		12100-0080		Delivery destination, reserved vehicle type				
17 17 Terminal welding (power line)		ater S / A, Mo	Tar	Toyota 690A				

## Measurement site and frequency

Measurement site	interval
U phase	
W phase	1 / W
Phase V	



Evaluation items

Joining area 4.7mm or more

blow hole

7% or less

- ・図7-8に示す溶接部をD-Dでカットする。
- ・図7-9に示すD-D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7-9に示すD-D断面図の E-Eでカットし、E-E 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をめ、 カット不要とする。



図7-8 溶接断面基準

