

1334584 (9363793) 1339441 (9363794) 1334587 (9363791) 1339445 (9363792) Drawing No.:

GR	AMMER			1 10	UC.	33 G 163	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Descrip	(1011		1339445 (9363792) Drawing No.:
	page		L	PP	,	J.Williams			Geprüft	& Freigabe	Diawing No
		_	Prepared by:	QF		S. Short		PP	PP		oduction
1	von	5				•		proved	proved	appr	oval/ release
F	irst versio	n:	1		_			9/6/2019	9/6/2019	!	9/6/2019
	8/30/2017		Description No.:		В	MW MIKO G02		J.Williams	Eduardo A	M. Lansdell	this signature is only necessary on
	0/00/2017							Date/Name	Date/Name	Date/Name	page 1 Signature is valid for each page
Pov	status:	2	Sample shop			Description of Ma	anuf			Date/Name	Signature is valid for each page
Kev	status.		Pilot						-		
Produ	ict:		Pre-series		Х	Prefixing G02 U	Jppe	r Side panels t	eco trims		
G02 C	onsole		Series				• •	•			
No.:	Working	des	cription					Machine / d	evice / tools / v	/isualizatior	1
#1	Optical	Sign e rac	ed Part out of t al <mark>(1)</mark> if the part k next to your \	s are r	eady	to be taken.	(3) (1) (3)			OTEC TO THE PARTY OF THE PARTY	2
#2	hand Dr hand dr option v side) or	ive (I ive(R vould botte	two parts off th LHD) left and rig tHD) left and rig d have a hole In om left (LH side ave a hole. (See	ght sid tht side the bo and	lepare pare pare to the pare to the pare to the pare to the lepton par	nel, or Right nel. The RHD n right (RH LHD option	(b) (2) (5) (8)	3	HD RS	LS	RHD S
#3	mask, e insert to engager mold)	xami o fixto ment	lued and dried placed in the for glue dryn ure as shown in cut outs should	ness/la pictu	amin re 6.	ation and (USP clip		6		2	3
	Test des							_		T	_
	Test chara	cterist	ics: T	est devi	ces:			Frequency:		Actions if not o	ok:



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GRA	MMER		•	1000	33 G 103	,,,,	Descrip	7.1.011		1339445 (9363792) Drawing No.:			
	page		Duemone of hour	PP	J.Williams				Geprüft & Freiga	_			
2		5	Prepared by:	QP	S. Short		PP	PP		Production			
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Fi	rst version	:	Deceriation No.				9/6/2019	9/6/2019		9/6/2019			
	4/8/2019		Description No.:	-	BMW MIKO G02		J.Williams	Eduardo A	M. Lansdell	this signature is only necessary on page 1			
			1				Date/Name	Date/Name	Date/Name	Signature is valid for each page			
Rev.	-status:	2	Sample shop		Description of Ma	anuf	acturing Proces	s:	•				
			Pilot										
Produ			Pre-series	Х	Prefixing G02 L	Jppe	er Sidepanels t	eco trims					
	onsole		Series				ı						
No.:	Working	des	cription				Machine / d	evice / tools / v	visualization				
#4	Evaluate build fixture to identify part clamp locations. (See pictures 1-2) Two clamps and 1 hole in the plastic to align with the pin on the backside of the fixture.												
# 5	selection and valid (Vinyl an any glue	n, ob late d Al app	installed plastic of dain the correct to correct material. cantara trim cover lied to B-surface of B-surface) (See	rim cove (See picters should as well a	r from rack, tures 3-4) d not have as no black		RHD the Left Sidepar Notch(1 Hole(2) RHD the Righ Sidepar Notch(3 Hole(4)	New Level Trim No Glue		And the Left didepanel Notch (5) no-Hole (6) LHD the Right didepanel Notch (7) no-Hole (8) Old Level Trim Glue Application 6 Tape Seam			
	Test des	crip	tion:				ı						
	Test charac			st devices:			Frequency:		Actions if not o	ok:			



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GRA	MMER			1100	622 0 16	SI L	Jescrip	LIOII		1339445 (9363792) Drawing No.:		
	page		Prepared by:	PP	J.Williams				eprüft & Freigabe	•		
3	of	5	repared by:	QP	S. Short		PP	PP		Production		
	rst version		1				9/6/2019	proved 9/6/2019		approval/ release 9/6/2019		
			Description No.:		BMW MIKO G02				M Blockman	this signature is only necessary on page 1		
	8/30/2017						J.Williams	Eduardo A	M.Blackmon Date/Name			
Rev	-status:	2	Sample shop		Description of N	lanufa	Date/Name cturing Process:	Date/Name	Date/Name	Signature is valid for each page		
			Pilot									
Produc G02 Co			Pre-series Series	Х	Prefixing G02	Upper	Side panels te	eco trims				
		. مامم					Maahina / d	evice / tools /	viousli-stien			
No.:	Working	ues	cription			1	wachine / u	evice / tools /	visualization			
#6	heat to l cover m capabili	JSP iddle ty. (C	gun (Temp Rang trim seam trend e seam trench t Do not hold in o pictures 1-2)	ch and the	en to trim e glue sticking		1 Upper S	MAX Heat=350°+/-10		Frim Cover Seam Preheating		
#7	seam, lo	cate	ntify the peak ar the USP middl own in pictures	e seam tr			Trim Cova	onent Identification ar Middle Seam USP Seam Tren	Component Placement			
#8	by slidin alternati	ıg se ng h	e remaining trir am to the large ands and movi pictures 5-6)	side tren	ch and		6	Seam Alignment	5	sann ligarnest		
#9	preferred to apply I enhance spot no I B) While foam pac finesse to wrinkles, finessing	l) and heat i glue onge pullin Iding rim to bub I proo		(Temp Ra and uppe ity. (Do no See picture unattache use left h	inge=350°+/-10°) r side panel to t hold in one e 7) ed from USP hand to properly icture 8. (No		7	MAX Heat=350°+/-10	8	Trim Cover Adherence to USP		
	Test des	_		Took dender			Erominon et		Actions if not -1			
1	Test charac		cs: Components	Test devices Visual/Start	s: : Set-Up Sheet (Heat	Gun)	Frequency:	100%	planner. Reject, conforming part scrap/rework pr	nform team leader and quality tag and segregate the non- t, and follow GPQ format for ocedure.		
2	Not	Seate	d Trim Seam		Visual		1	100%	still nok inform Reject, tag and	nd re-attempt seam installment. If team leader and quality planner. segregate the non-conforming GPQ format for scrap/rework		
3	Wrinkles,B	ubble	s,Clumps,Waviness		Visual		1	100%	segregate, the n	nform team leader and reject, tag ion-conforming part as ollow GPQ format for ocedure.		



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GRA	MMER		Proce	ss & Tes	st	Descrip	tion		1334587 (9363791) 1339445 (9363792) Drawing No.:		
	page		PP	J.Williams			G	eprüft & Freigab			
		Prepared by:	QP	S. Short		PP	PP		Production		
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Fi	rst version:					9/6/2019	9/6/2019		9/6/2019		
		Description No.:		BMW MIKO G02							
	8/30/2017	·				J.Williams	Eduardo A	M.Blackmon	this signature is only necessary on page 1		
						Date/Name	Date/Name	Date/Name	Signature is valid for each page		
Rev.	-status: 2	Sample shop		Description of M	anuf	acturing Process	3:				
	- Claido: _	Pilot									
Produc	t:	Pre-series	Х	Prefixing G02 I	Jage	er Side panels t	eco trims				
G02 Co	nsole	Series		7	- 1- 1						
No.:	Working de	escription				Machine / d	evice / tools /	visualization			
#10	Using both hands roll the top trim section over the top edge of the upper side panel. (See pictures 1-2)					1	To	o Roll To USP Edge			
#11	preferred) a to USP edg (While seat hand to val	re as necessar and utilize assis e facing as sho ing trim pull tri idate no wrinkle blished during	t tool to ful wn in pictu n tight with es, bubbles	lly seat trim ires 3-4) n opposite n, indents, etc.		3	Assist	Edge Facing Roll to 0	JSP		
#12	Range=350 enhance gl free hand to	t gun and apply *+/-10*) to long ue compatibility o roll trim as sh spot no longer	portion of with trimation with the contract of	USP to and utilize :ure 5. (Do not		6	MAX Heat=350°+/-3		MAX Heat=350°+/-10		
#13	roll locations in pictures 6- sec) B) Visually in (wrinkles, wa marks, indent and grease) a lamination. (L	ssembly from work and repeat heat ap 7. (Do not hold in of spect finished ass viness, seam align s, hanging thread nd move finished btilize assist tools minimize any wrink cture 8)	embly for any ment, bubble s, delamination assembly to Nowithin workst	r defects es, clumps, cuts, on of foil, dirt, NIP for press	(3) (1) (3) (3)	7	Тор	Roll/Finesse to USP	Assist Tool Inspection Point		
	Test descri	ntion:									
	Test characteri		Tost dovisos:			Frequence:		Actions if not -	,		
		stics: Components	Test devices: Visual/Star	t Set-Up Sheet (He Gun)	at	Frequency:	00%	Stop process, in planner. Reject, conforming part	Actions if not ok: Stop process, inform team leader and quality planner. Reject, tag and segregate the non-conforming part, and follow GPQ format for scrap/rework procedure.		
	alignment, bul marks, indent delaminatio	waviness, seam bbles, clumps, cuts, s, hanging threads, n of foil, dirt, and prease	Vis	ual/By Hand		1	00%	planner. Reject,	nform team leader and quality tag and segregate the non- t, and follow GPQ format for ocedure.		



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page			Duamana d buu	PP	M. Schneider		Geprüft & Freigabe					
5 von	_	Prepared by:	QP	S. Short	PP	PP	Production					
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First version: 8/30/2017					7/3/2019	7/3/2019	7/3/2019					
		Description No.:		BMW MIKO G02	J. Williams	J. Turner	S. Short	this signature is only necessary on page 1				
						Date/Name	Date/Name	Date/Name	Signature is valid for each page			
Rev.	-status:	2	Sample shop		Description of Man	ufacturing Process	:					
			Pilot									
Produc	ct:		Pre-series	Х	Prefixing G02 Up	per Sidepanels te	er Sidepanels teco trims					
Revstatus:		_										

G01 Console Series Machine / device / tools / visualization No.: Working description Cut away the Prefixing notches(1) with a knife(2) Also cut away the excess material(3) on the upper Side of the panel with a knife(4) In the picture you can see a trimed part(5) process with the process Press-lamination and make sure your area is clean and all tools are in order according to 5S During process flow- please insure the parts #1 offline in WIP on the "B" Surface. **Test description:** Test characteristics: Test devices: Actions if not ok: Frequency:



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	page		D	PP	C. Rivero		Geprüft	& Freigabe		
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F	irst versior	1:	1			1/20/2017	1/20/2017		1/20/2017	
	1/20/2017		Description No.:	A.A	A_BMW_MIKO 03	C. Rinehart	D. Ramalho	M. Lansdell	this signature is onl	ly necessary on
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Rev	status:	3	Sample shop		Description of Manu	ifacturing Process:				
Du a al	-4-		Pilot			lain Camian				
Produ			Pre-series		Heat welding II Le	envrigh side pane	eis and weided iv	iain Carrier		
G01 Console Series X										
No.: Working description Machine / device / tools / visualization										
				le documents	ner applica at the workstation soles\02_BMW_G0	. First-Piece-Rele	ase each shift. D Process\BMW W			t
					OCII-III	spection				
	Test des	ccrint								
	1001 000	.ср.						ctions if not	ok:	testing
	test poi	nt:	Pos.	method:	Frequency:	Test characteristic			<u></u>	time
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