

RANGE ROVER CLASSIC



Paint Refinishing Times

Tidjen voor overspuiten

Temps de réparation de la peinture

Zeiten für Lackarbeiten

Tempi delle rifinitura verniciatura

Tiempos de repintado

Tempos de repintura





RANGE ROVER

CLASSIC

PAINT REFINISHING

TIMES

ROOFS AND HARD TOPS	79.A
BONNETS	79.B
SCUTTLES	79.C
TAILBOARDS	79.D
DOORS	79.E
WINGS AND ROAD WHEELS	79.F
BODY PANELS	79.G
SURROUND PANELS.....	79.H
LOWER PANELS	79.J
WINDOW AND SCREEN FRAMES	79.K
SILL PANELS	79.L
COMPLETE VEHICLE	79.M
APERTURES.....	79.N
INTERIOR BONNET PANEL.....	79.Q
INTERIOR TAILGATE/TAILOOR PANELS	79.R
INTERIOR DOORS	79.S
INTERIOR WINDOW FRAMES.....	79.T
INTERIOR ENGINE COMPARTMENT	79.V
INTERIOR LOAD SPACE	79.W

INTRODUCTION

TIMES

All operation times are given in DECIMAL HOURS.

The times listed in this publication are the result of a careful study of the operations concerned and reflect the time required to complete high-quality paint repair operations and include:

- * Driving the vehicle to and from the preparation and spray areas.
- * Obtaining materials, equipment and parts.
- * Masking, spraying, buffing, flatting, machine sanding/chemical stripping and other operations appropriate to the refinish process.
- * Removal and refitting of essential trim/finishers, etc. (see note)
- * Time allowance for the personal needs of the operator, fatigue; and for reasonable variations in operator speed and skill.

Note:

For convenience, where separate bonus systems are operated, the time that has been included for the removal and refitting of trim etc., is shown in italics beneath the operation time concerned AND MUST NOT BE ADDED TO IT. These allowances differ from those listed in Repair Operation Times as they relate to removal of components in the most convenient form rather than the condition in which they are normally serviced. The drive in/out is included in the paint constant allowance and not in these times.

CONSTANT ALLOWANCES

The constant allowance for each type of repair process is shown immediately under the process description at the top of the times columns and at the bottom of the page. This constant is derived from those parts of the process time allowance which remains constant. Only one constant time, the highest from those processes used, must be included in the total time when calculating allowances for repairs involving more than one panel or process.

VARIABLE ALLOWANCES

Where no time allowance appears in the time column, i.e. repairs to engine compartment panels, use local repair allowances. With the exception of refinishing process 8 - Local strip, all other processes are complete and no further supplementary time allowance must be included. Local strip - process 8 - will normally be supplemented by the time allowance for Flat and repaint - process 2 - for the complete panel.

Complete Panels

The times listed against the operation number under the process headings at the top of the page vary according to the size of the panel.

Local Repairs

Local repairs are defined as a repair area of approximately 15 inches x 15 inches.

Time allowances for local repairs are shown at the bottom of the page as a plus allowance to the constant and may be claimed for each local repair undertaken.

Where it is necessary to carry out local repairs on more than one sub area of a panel and the individual times exceed that given for the complete panel, the complete panel time must be used. This also applies to part panels.

MATERIALS ALLOWANCE

Refer to the instructions and charts in the rear of this publication.

WARRANTY

Procedures for the submission of warranty claims and guidance on the use of the revised Complaint Codes introduced with the Paint Refinishing Times will be found in the Warranty Policy and Procedures Manual.

NUMBERING

Is comprised of six digits and letters, e.g. 76DAA1.

79 = Paint Refinishing Operation

79D = Panel Concerned

79DA = Location of panel, e.g. right hand/left hand, front/rear.

79DAA = Extent/location of panel refinished. e.g. complete, top, centre, lower, edge, etc.

79DAA1 = Refinishing process, e.g. Strip and repaint.

REFINISHING PROCESS

Eight different types of refinishing processes are covered and are identified by the number appearing above the columns of times or at the bottom of each page.

Complete Panels

Process 1 - Strip and Repaint, allows for the panel to be stripped to bare metal and refinished using the current refinish systems. The constant allowance for a strip repair is 2.30 hours.

Process 2 - Flat and Repaint, allows for a repair of the colour or base coat.

(Note:) An allowance is included to allow for priming of the panel where a heavy flat repair is required. The constant allowance for a flat repair is 0.90 hours.

Process 4 - Flat, Compound and Polish, Allows for the panel to be lightly flatted to remove any imperfections or dirt inclusion and the application of a compound and final polish. The constant allowance for a flat compound and polish is 0.40 hours.

Process 5 - Compound and polish, Allows for the application of a compound and final polish. The constant allowance for a compound and polish is 0.35 hours.

Local Repairs

Process 3 - Local repaint, allows for a repair of the colour or base coat, where the repair can be completed without the need to repaint the complete panel. The constant allowance for a local repair is 0.70 hours.

(Note:) An allowance is included to allow for priming of the panel where a heavy flat repair is required.

Process 6 - Local compound and polish allows application of a compound and final polish, where the repair can be completed without the need to cover the complete panel. The constant allowance for a local compound and polish is 0.35 hours.

Process 7 - Touch-Up, Allows the use of a brush to touch up small areas of paint colour that has been removed (for example, a stone chip). The constant allowance for a touch-up is 0.20 hours.

Process 8 - Local strip. This process should be used in conjunction with process 2 or 3 where a small area of the panel requires stripping to bare metal to complete the repair. No constant allowance is associated with a local strip as it is always claimed along with either process 2 or 3.

CALCULATING A PAINT REPAIR TIME

The following examples will assist in calculating paint refinishing time allowances. For details on how warranty claims should be completed. See Warranty Policies and Procedures Manual.

Note: Examples given refer to DEFENDER

Complete Panels - Single Panels Only

Identify the panel and refinish process. e.g.

79ECA1 Door Front - LH - Panel - Complete - Strip and Repaint	= 1.75 hours
Strip and Repaint - Constant 1	= 2.30 hours
Total allowance 79CEA1	= 4.05 hours

Complete Panels - Two or More

Identify the panels and refinish processes. e.g.

79ECA1 Door, Front - LH - Panel - Complete - Strip and Repaint	= 1.75 hours
79AAA2 Roof Panel - Flat and Repaint	= 4.25 hours
79BAA5 Bonnet - Compound and Polish	= 0.20 hours
Add the highest constant for the processes undertaken, i.e. Strip and Repaint -	= 2.30 hours
Total allowance 79ECA1, 79AAA2 and 79BAA5	= 8.50 hours

Local Repairs - Single Panel

Identify the panel and refinish process, e.g.

79AECA3 = Door, Front - LH - Local Respray	= 0.35 hours
Local Respray - Constant 3	= 0.70 hours
Total allowance 79ECA3	= 1.05 hours

Local Repairs - Two or more

Identify panels and refinish processes. e.g.

79ECA3 Door, Front - LH - Local Respray	= 0.35 hours
79AAA6 Roof panel - Local compound and polish	= 0.05 hours
79BAA7 Bonnet - Touch-in (brush)	= 0.05 hours
Add the highest constant for the for the process undertaken, i.e. Local respray	= 0.70 hours
Total allowance 79ECA3, 79AAA6 AND 79BAA7	= 1.15 hours

If it is necessary to complete two or more of the same processes on a panel, the following example should be followed: Identify panel and refinish process: e.g.

79AAA6 Roof panel - Local compound and polish	= 0.05 hours
Number of repairs (3) = 3 x 0.05	= 0.15 hours
Local compound and polish - constant 6	= 0.35 hours
Total allowance 79AAA6 x 3	= 0.50 hours

Local Strip Repairs - One or more

This process will normally be accompanied by a Flat and Repaint of the complete panel. e.g.

Roof panel - Local strip 79AAA8	= 0.35 hours
Roof panel - Flat and Repaint 79AAA2	= 4.25 hours
Flat and Repaint constant - Constant 2	= 0.90 hours
Total allowance 79AAA2 and 79AAA8	= 5.50 hours

If more than one local strip is completed on the same panel, add the Local strip repair allowance (79AAA8) for each additional repair completed.

NOTE The labour time allowances shown in this publication are for rectification of solid colours.

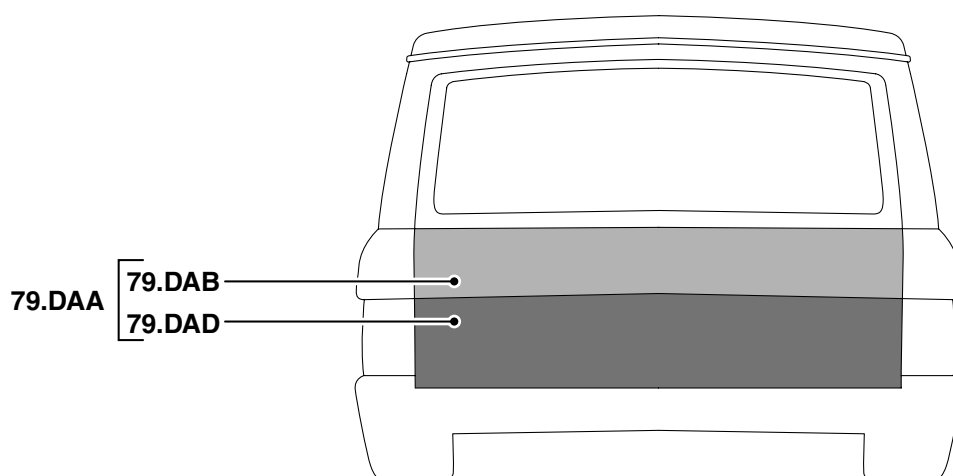
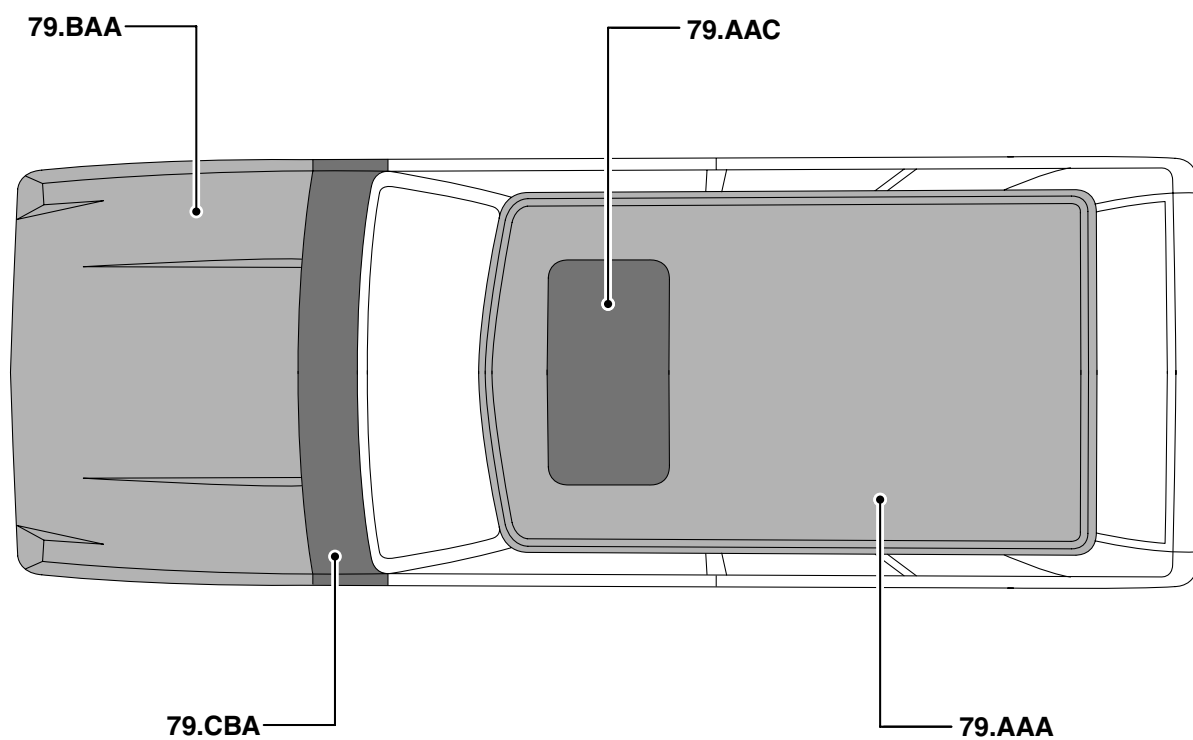
CLEAR OVER BASE (C.O.B) COLOURS

The increased labour times are only applicable to refinishing processes 1, 2 and 3 and can be established by applying a percentage uplift to the current published times as follows:-

- * Refinishing Process 1 - Strip & repaint - the increase is 8%
- * Refinishing Process 2 - Flat & repaint - the increase is 15%
- * Refinishing process 3 - Local respray - the increase is 15%

The highest constant for the applicable paint repairs is also increased by the relevant percentage for that process.

The other paint refinishing processes remain unchanged.



PAINT REFINISHING

RANGE ROVER CLASSIC

Operation Number and Description	Process description _____	Strip and repaint	Flat and repaint	Flat compound and polish	Compound and polish	Local colour, full laquer
	Process number _____	1	2	4	5	9
	Constant allowance _____	2.30	0.90	0.40	0.35	0.80
	Material allowance code _____	y				

79.A ROOFS AND HARD TOPS

79.AAA	Roof panel - complete	H	6.50	4.50	1.85	0.60	1.05
			0.05	0.05			0.05
			108" H 7.05	4.85	2.00	0.65	1.15
			0.10	0.10			0.05
79.AAC	Sunroof panel - complete	C	1.05	0.50	0.20	0.05	0.40

79.B BONNETS

79.BAA	Bonnet panel - complete	F	4.55	2.85	1.00	0.30	1.10
			0.75	0.40			0.40

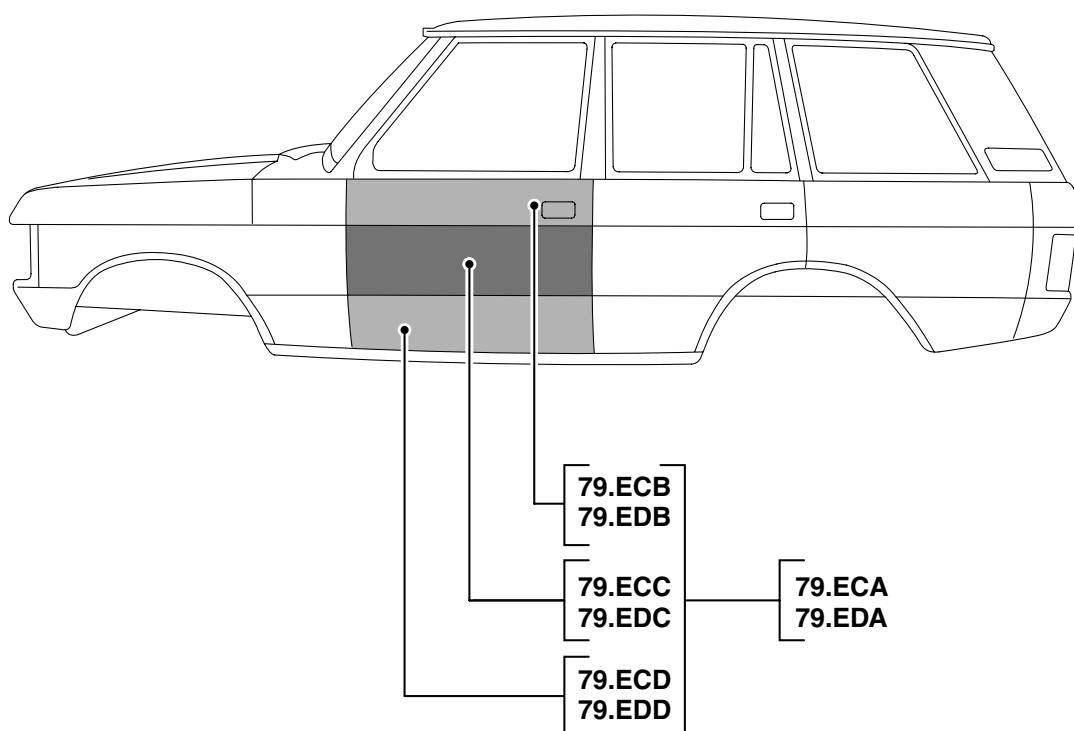
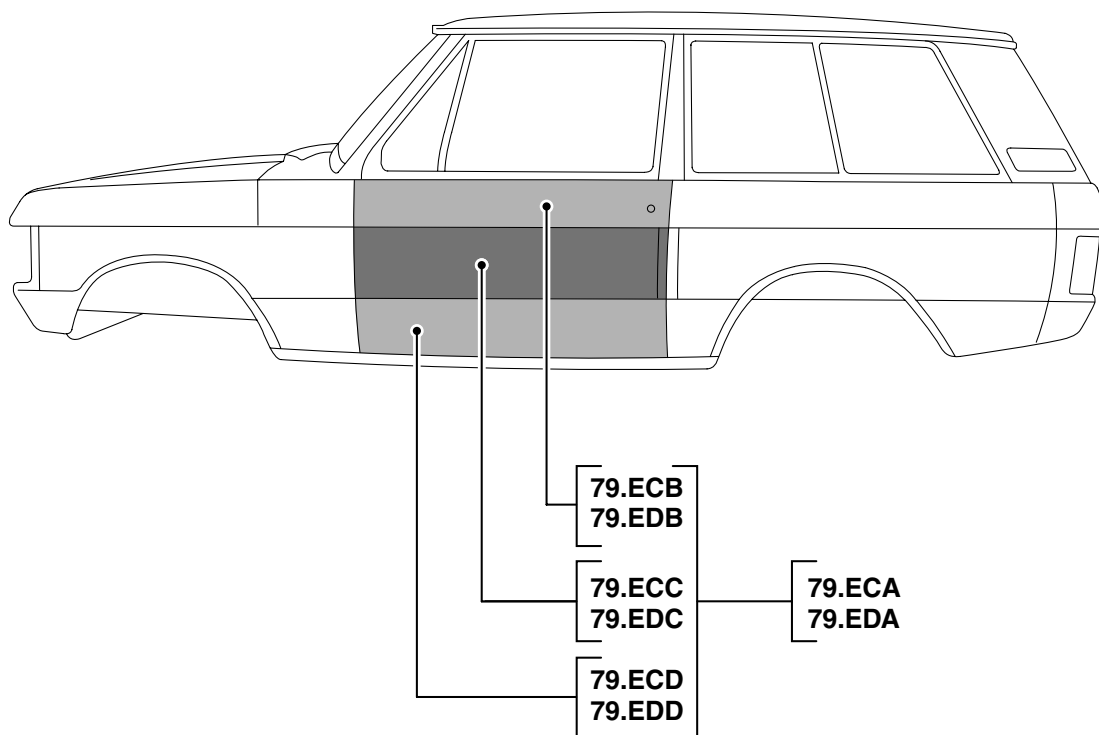
79.C SCUTTLES

79.CBA	Scuttle - front - complete	C	2.35	0.95	0.25	0.10	0.75
			0.75	0.30			0.30

79.D BOOT LIDS, TAILGATES AND TAILDOORS

79.DAA	Tailgate - complete	D	3.00	1.80	0.45	0.15	1.25
			1.10	0.75			
79.DAB	Tailgate - top - section	C	1.60	0.90	0.25	0.05	0.75
			0.30	0.30			
79.DAD	Tailgate - lower - section	B	1.95	0.95	0.20	0.05	0.90
			0.85	0.50			0.50

Process description _____	Local respray	Local compound and polish	Touch-up (Brush)	Local strip
Process number _____	3	6	7	8
Constant allowance _____	0.70	0.35	020	0.00
Allowance per repair _____	0.35	0.05	0.05	0.35



PAINT REFINISHING

RANGE ROVER CLASSIC

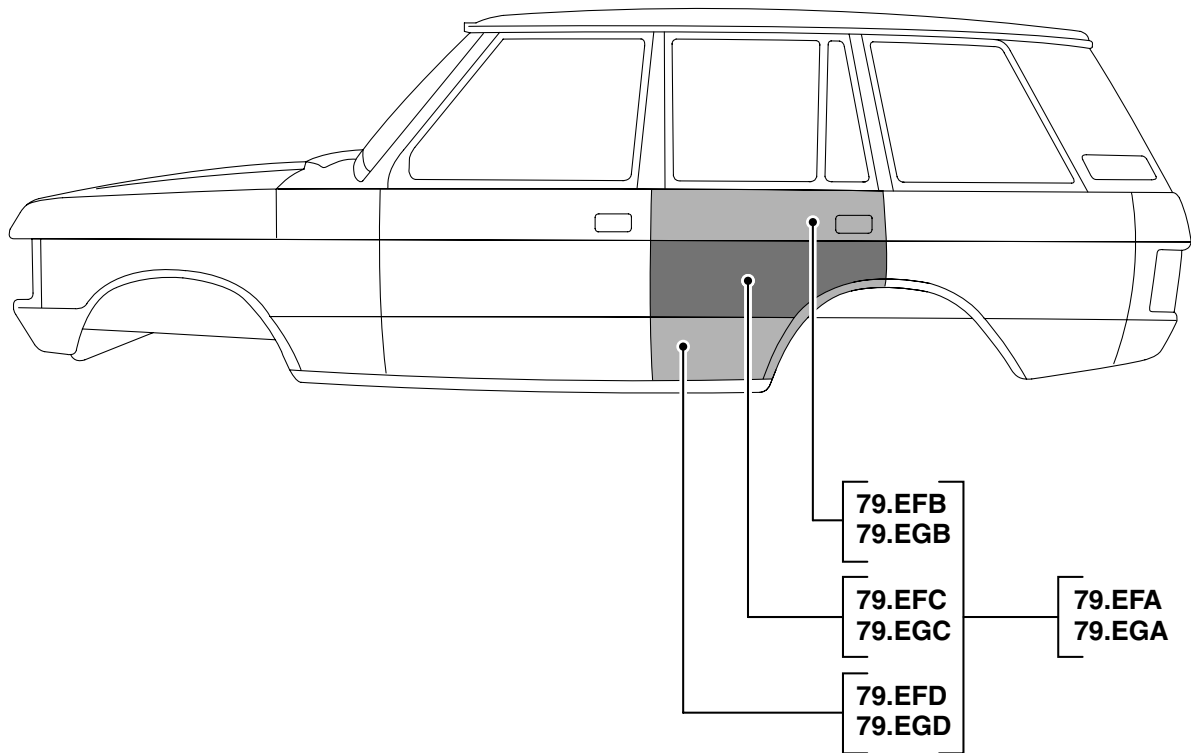
Process description _____	Strip and repaint 1	Flat and repaint 2	Flat compound and polish 4	Compound and polish 5	Local colour, full laquer 9
Process number _____	1	2	4	5	9
Constant allowance _____	2.30	0.90	0.40	0.35	0.80
Material allowance code _____	y				

Operation Number and Description

79.E DOORS (for window frames - see 79.K)

79.ECA	Door panel - front - LH - complete	2 door D	2.80	1.20	0.40	0.15	0.70
			1.00	0.20			0.20
		4 door C	2.45	0.95	0.30	0.10	0.60
			0.95	0.15			0.15
79.ECB	Door panel - front - LH - top	2 door B	1.70	0.45	0.10	0.05	0.45
			0.90	0.15			0.15
		4 door A	1.35	0.40	0.10	0.05	0.40
			0.70	0.15			0.15
79.ECC	Door panel - front - LH - centre	2 door B	1.00	0.45	0.15	0.05	0.45
			0.10	0.10			0.10
		4 door B	1.15	0.35	0.10	0.05	0.35
			0.40	0.05			0.05
79.ECD	Door panel - front - LH - lower	2 door B	0.95	0.40	0.15	0.05	0.40
			0.05	0.05			0.05
		4 door B	0.75	0.30	0.10	0.05	0.30
			0.05	0.05			0.05
79.EDA	Door panel - front - RH - complete	2 door D	2.80	1.20	0.40	0.15	0.70
			1.00	0.20			0.20
		4 door C	2.45	0.95	0.30	0.10	0.60
			0.95	0.15			0.15
79.EDB	Door panel - front - RH - top	2 door B	1.70	0.45	0.10	0.05	0.45
			0.90	0.15			0.15
		4 door A	1.35	0.40	0.10	0.05	0.40
			0.70	0.15			0.15
79.EDC	Door panel - front - RH - centre	2 door B	1.00	0.45	0.15	0.05	0.45
			0.10	0.10			0.10
		4 door B	1.15	0.35	0.10	0.05	0.35
			0.40	0.05			0.05
79.EDD	Door panel - front - RH - lower	2 door B	0.95	0.40	0.15	0.05	0.40
			0.05	0.05			0.05
		4 door B	0.75	0.30	0.10	0.05	0.30
			0.05	0.05			0.05

Process description _____	Local respray	Local compound and polish	Touch-up (Brush)	Local strip
Process number _____	3	6	7	8
Constant allowance _____	0.70	0.35	0.20	0.00
Allowance per repair _____	0.35	0.05	0.05	0.35



PAINT REFINISHING

RANGE ROVER CLASSIC

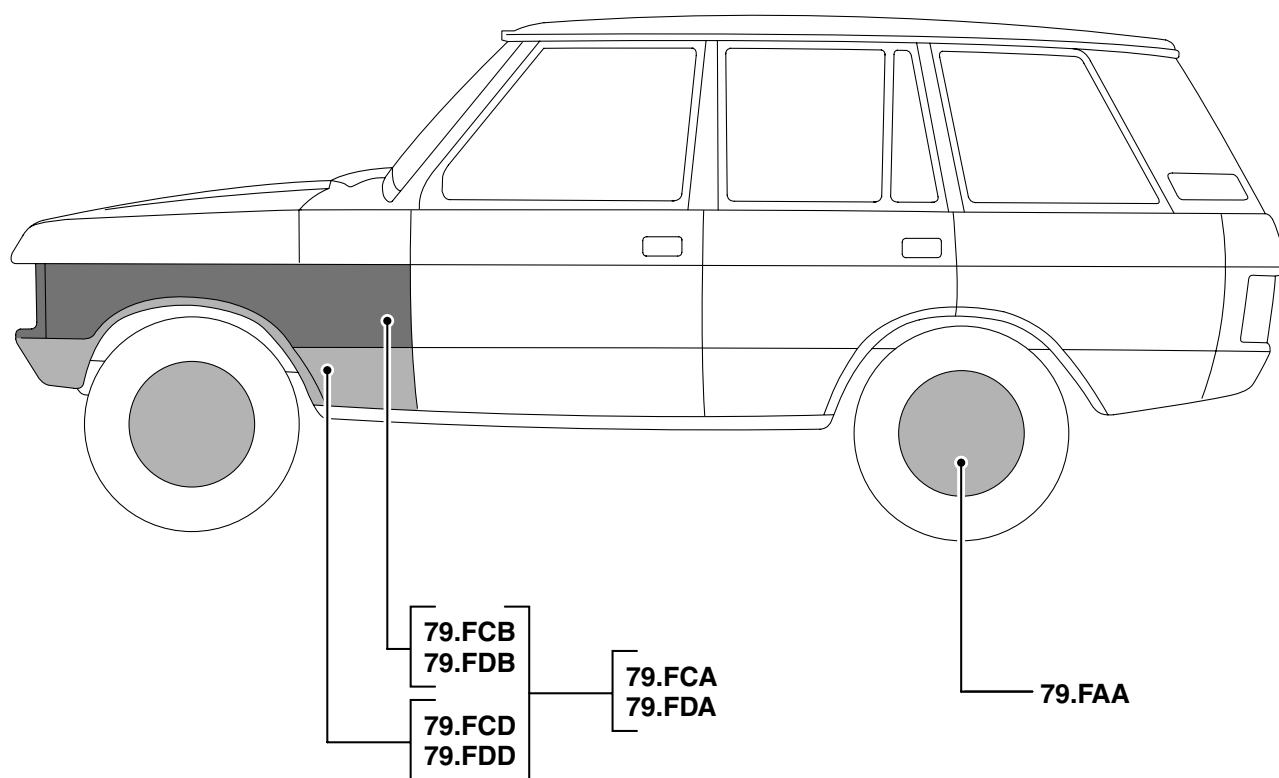
Process description _____	Strip and repaint	Flat and repaint	Flat compound and polish	Compound and polish	Local colour, full laquer
Process number _____	1	2	4	5	9
Constant allowance _____	2.30	0.90	0.40	0.35	0.80
Material allowance code _____	y				

Operation Number and Description

79.E DOORS (for window frames - see 79.K)

79.EFA	Door panel - rear - LH - complete	C	1.70 0.55	0.65 0.05	0.25	0.10	0.50 0.05
	108"	C	1.85 0.60	0.70 0.10	0.30	0.15	0.55 0.10
79.EFB	Door panel - rear - LH - top	A	1.15 0.55	0.30 0.05	0.10	0.05	0.30 0.05
	108"	A	1.25 0.60	0.35 0.10	0.15	0.10	0.35 0.10
79.EFC	Door panel - rear - LH - centre	A	0.65 0.05	0.30 0.05	0.10	0.05	0.30 0.05
	108"	A	0.70 0.10	0.35 0.10	0.15	0.10	0.35 0.10
79.EFD	Door panel - rear - LH - lower	A	0.60 0.05	0.30 0.05	0.05	0.05	0.30 0.05
	108"	A	0.65 0.10	0.35 0.10	0.10	0.10	0.35 0.10
79.EGA	Door panel - rear - RH - complete	C	1.70 0.55	0.65 0.05	0.25	0.10	0.50 0.05
	108"	C	1.85 0.60	0.70 0.10	0.30	0.15	0.55 0.10
79.EGB	Door panel - rear - RH - top	A	1.15 0.55	0.30 0.05	0.10	0.05	0.30 0.05
	108"	A	1.25 0.60	0.35 0.10	0.15	0.10	0.35 0.10
79.EGC	Door panel - rear - RH - centre	A	0.65 0.05	0.30 0.05	0.10	0.05	0.30 0.05
	108"	A	0.70 0.10	0.35 0.10	0.15	0.10	0.35 0.10
79.EGD	Door panel - rear - RH - lower	A	0.60 0.05	0.30 0.05	0.05	0.05	0.30 0.05
	108"	A	0.65 0.10	0.35 0.10	0.10	0.10	0.35 0.10

Process description _____	Local respray	Local compound and polish	Touch-up (Brush)	Local strip
Process number _____	3	6	7	8
Constant allowance _____	0.70	0.35	0.20	0.00
Allowance per repair _____	0.35	0.05	0.05	0.35



PAINT REFINISHING

RANGE ROVER CLASSIC

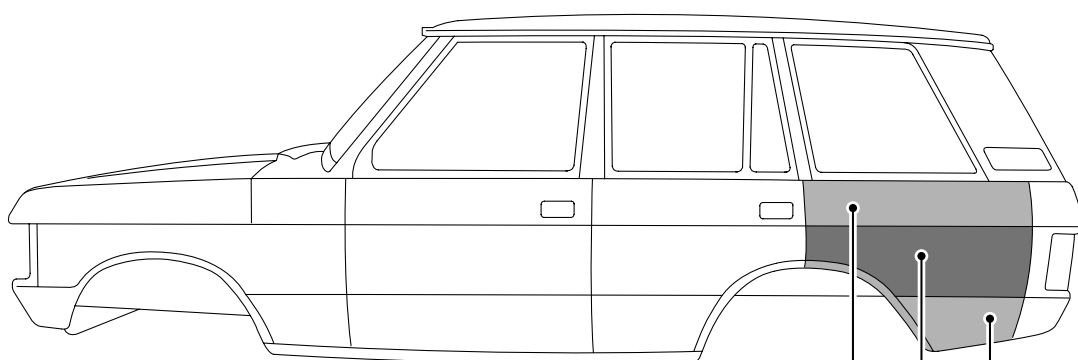
Process description _____	Strip and repaint	Flat and repaint	Flat compound and polish	Compound and polish	Local colour, full laquer
Process number _____	1	2	4	5	9
Constant allowance _____	2.30	0.90	0.40	0.35	0.80
Material allowance code _____	y				

Operation Number and Description

79.F WINGS AND ROAD WHEELS

79.FAA	Road wheel - each	A	-	0.40 0.15	0.05	0.05	-
79.FCA	Wing - front - LH - complete	B	1.95 0.75	0.75 0.30	0.20	0.05	0.70 0.30
79.FCB	Wing - front - LH - top	B	1.25 0.35	0.60 0.30	0.10	0.05	0.60 0.30
79.FCD	Wing - front - LH - lower	A	1.20 0.40	0.30 0.05	0.05	0.05	0.30 0.05
79.FDA	Wing - front - RH - complete	B	1.95 0.75	0.75 0.30	0.20	0.05	0.70 0.30
79.FDB	Wing - front - RH - top	B	1.25 0.35	0.60 0.30	0.10	0.05	0.60 0.30
79.FDD	Wing - front - RH - lower	A	1.20 0.40	0.30 0.05	0.05	0.05	0.30 0.05

Process description _____	Local respray	Local compound and polish	Touch-up (Brush)	Local strip
Process number _____	3	6	7	8
Constant allowance _____	0.70	0.35	0.20	0.00
Allowance per repair _____	0.35	0.05	0.05	0.35

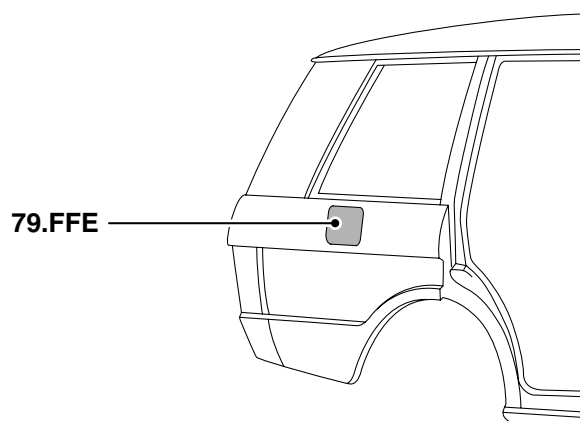


79.FFB
79.FGB

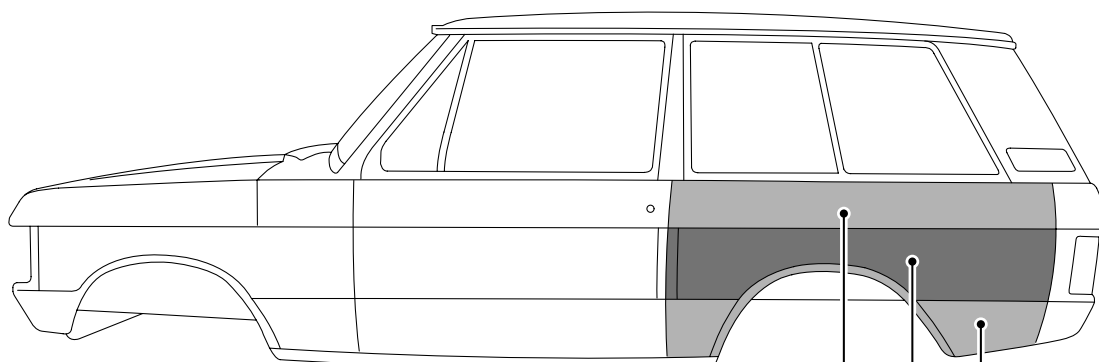
79.FFA
79.FGA

79.FFC
79.FGC

79.FFD
79.FGD



79.FFE



79.FFB
79.FGB

79.FFA
79.FGA

79.FFC
79.FGC

79.FFD
79.FGD

PAINT REFINISHING

RANGE ROVER CLASSIC

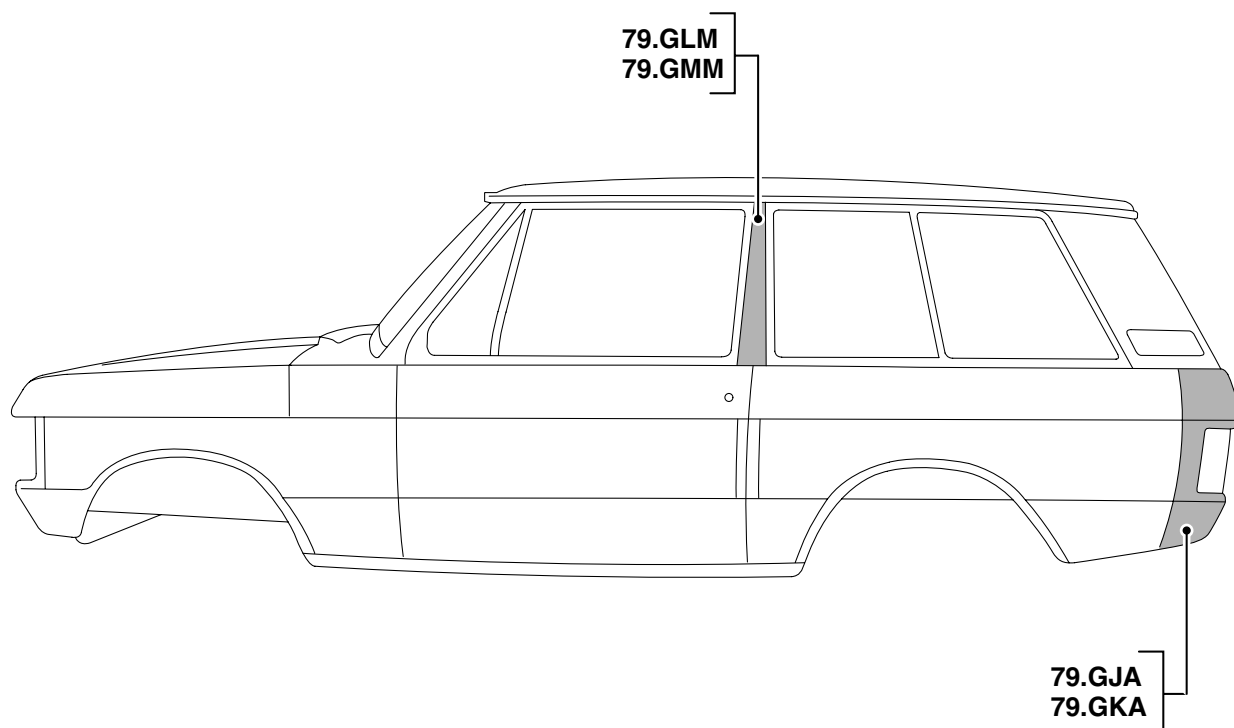
Process description _____	Strip and repaint	Flat and repaint	Flat compound and polish	Compound and polish	Local colour, full laquer
Process number _____	1	2	4	5	9
Constant allowance _____	2.30	0.90	0.40	0.35	0.80
Material allowance code _____	y				

Operation Number and Description

79.F WINGS AND ROAD WHEELS

79.FFA	Wing - rear - LH - complete	2 door D	2.10 0.15	1.15 0.15	0.40	0.15	0.65 0.15
		4 door C	1.35 0.15	0.80 0.15	0.25	0.10	0.60 0.15
79.FFB	Wing - rear - LH - top	2 door B	1.10 0.05	0.45 0.05	0.15	0.05	0.45 0.05
		4 door A	0.65 0.05	0.30 0.05	0.10	0.05	0.30 0.05
79.FFC	Wing - rear - LH - centre	2 door B	1.20 0.15	0.55 0.15	0.15	0.05	0.55 0.15
		4 door B	0.85 0.15	0.45 0.15	0.10	0.05	0.45 0.15
79.FFD	Wing - rear - LH - lower	2 door B	1.10 0.05	0.40 0.05	0.15	0.05	0.40 0.05
		4 door A	0.55 0.05	0.30 0.05	0.05	0.05	0.30 0.05
79.FFE	Flap - fuel filler - complete	A	0.25	0.25	0.05	0.05	0.25
79.FGA	Wing - rear - RH - complete	2 door D	2.10 0.15	1.15 0.15	0.40	0.15	0.65 0.15
		4 door C	1.35 0.15	0.80 0.15	0.25	0.10	0.60 0.15
79.FGB	Wing - rear - RH - top	2 door B	1.10 0.05	0.45 0.05	0.15	0.05	0.45 0.05
		4 door A	0.65 0.05	0.30 0.05	0.10	0.05	0.30 0.05
79.FGC	Wing - rear - RH - centre	2 door B	1.20 0.15	0.55 0.15	0.15	0.05	0.55 0.15
		4 door B	0.85 0.15	0.45 0.15	0.10	0.05	0.45 0.15
79.FGD	Wing - rear - RH - lower	2 door B	1.10 0.05	0.40 0.05	0.15	0.05	0.40 0.05
		4 door A	0.55 0.05	0.30 0.05	0.05	0.05	0.30 0.05

Process description _____	Local respray	Local compound and polish	Touch-up (Brush)	Local strip
Process number _____	3	6	7	8
Constant allowance _____	0.70	0.35	0.20	0.00
Allowance per repair _____	0.35	0.05	0.05	0.35



PAINT REFINISHING

RANGE ROVER CLASSIC

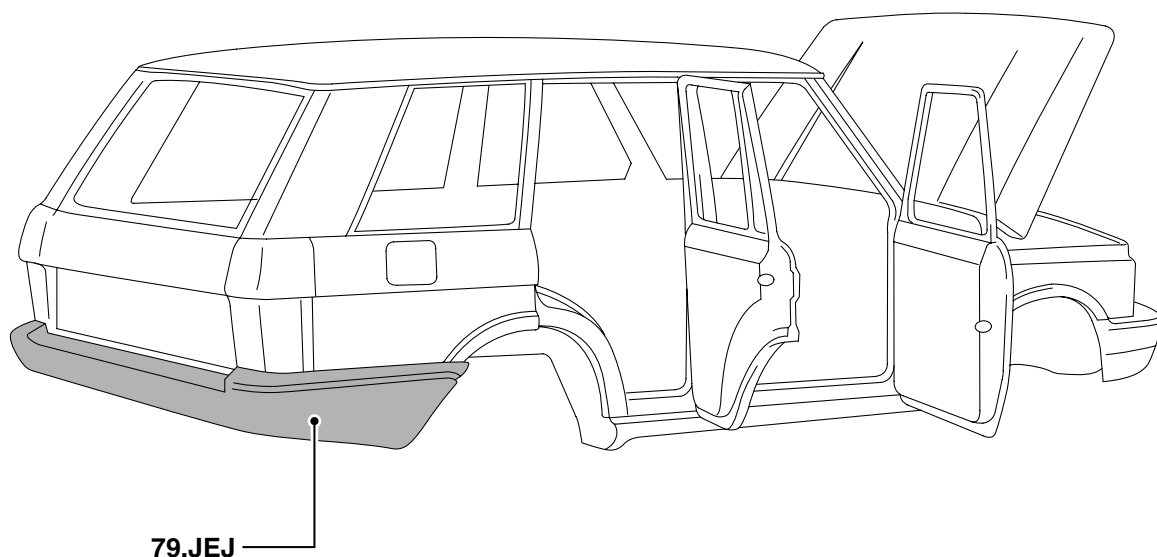
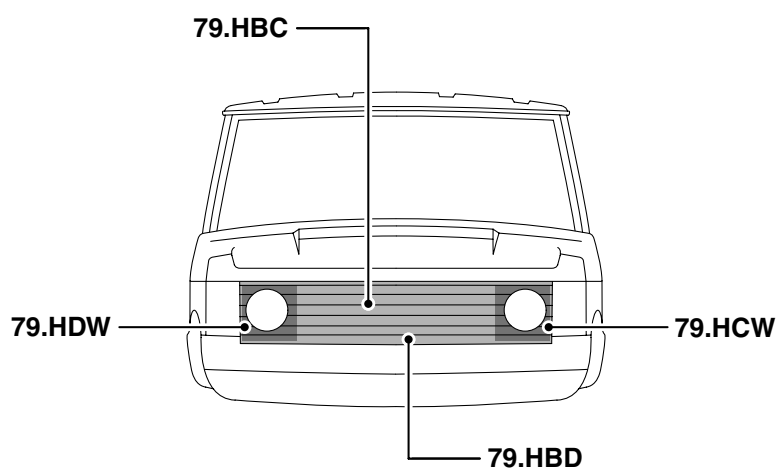
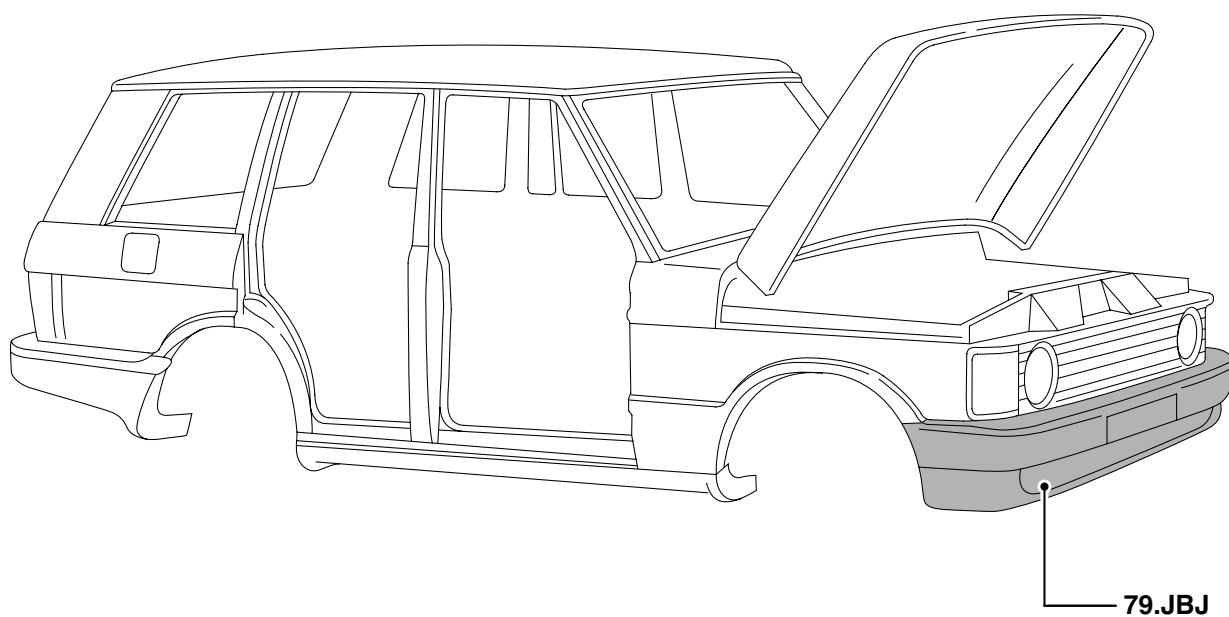
Process description _____	Strip and repaint	Flat and repaint	Flat compound and polish	Compound and polish	Local colour, full laquer
Process number _____	1	2	4	5	9
Constant allowance _____	2.30	0.90	0.40	0.35	0.80
Material allowance code _____	y				

Operation Number and Description

79.G BODY PANELS

79.GJA	Tail corner - panel - LH - complete	A	1.05 0.50	0.45 0.20	0.10	0.05	0.45 0.20
79.GKA	Tail corner - panel - RH - complete	A	1.05 0.50	0.45 0.20	0.10	0.05	0.45 0.20
79.GLM	B/C post - LH - exterior	A	0.50 0.25	0.30 0.05	0.05	0.05	0.30 0.05
79.GMM	B/C post - RH - exterior	A	0.50 0.25	0.30 0.05	0.05	0.05	0.30 0.05

Process description _____	Local respray	Local compound and polish	Touch-up (Brush)	Local strip
Process number _____	3	6	7	8
Constant allowance _____	0.70	0.35	0.20	0.00
Allowance per repair _____	0.35	0.05	0.05	0.35



PAINT REFINISHING

RANGE ROVER CLASSIC

Process description _____	Strip and repaint	Flat and repaint	Flat compound and polish	Compound and polish	Local colour, full laquer
Process number _____	1	2	4	5	9
Constant allowance _____	2.30	0.90	0.40	0.35	0.80
Material allowance code _____	y				

Operation Number and Description

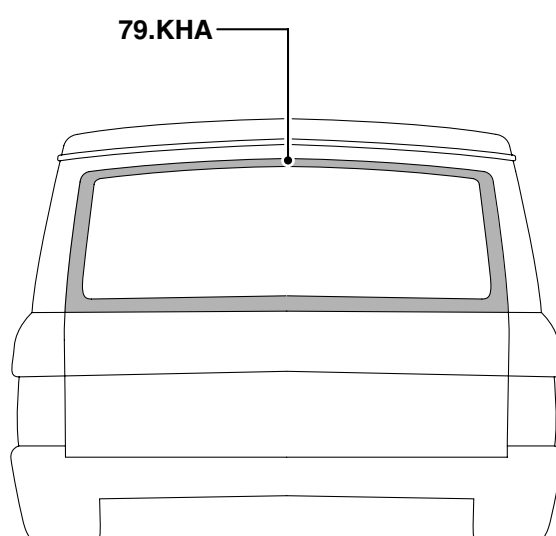
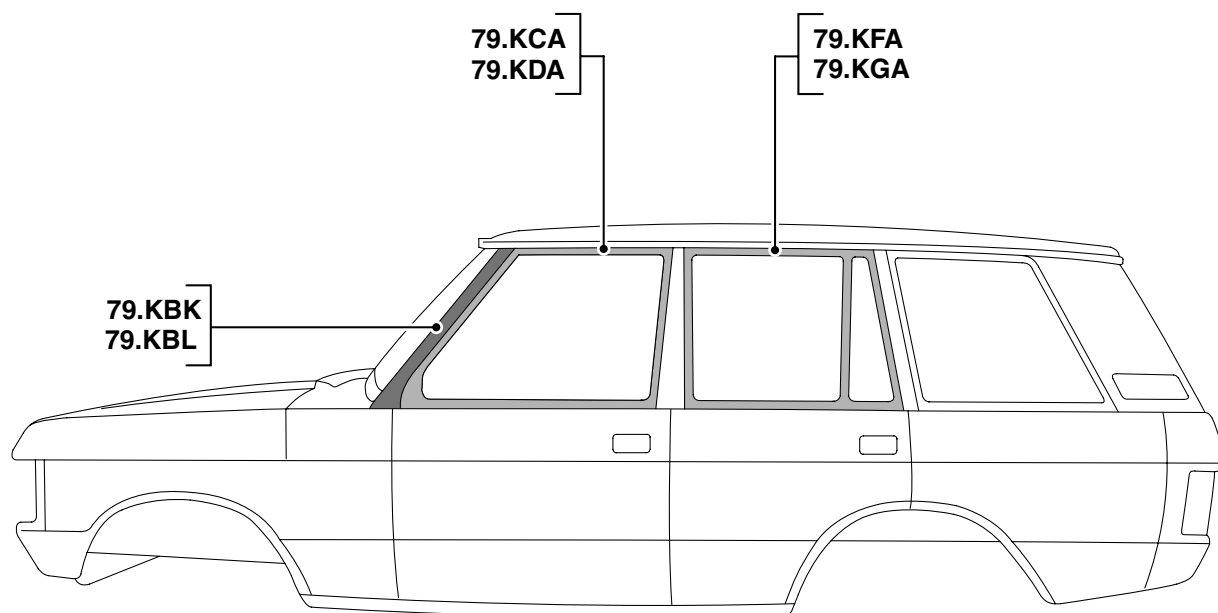
79.H SURROUND PANELS

79.HBC	Grille - complete	A	0.80 0.20	0.45 0.20	0.10	0.05	0.45 0.20
79.HBD	Panel - grille - lower - complete	A	-	0.25 0.10	0.05	0.05	0.25 0.10
79.HCW	Surround - headlamp - LH - complete	A	0.85 0.60	0.85 0.60	0.05	0.05	0.85 0.60
79.HDW	Surround - headlamp - RH - complete	A	0.85 0.60	0.85 0.60	0.05	0.05	0.85 0.60

79.J LOWER PANELS

79.JBJ	Bumper - front - complete	E	-	2.95 1.05	0.80	0.25	1.70 1.05
79.JEJ	Bumper - rear - complete	E	-	2.55 0.95	0.65	0.20	1.55 0.95

Process description _____	Local respray	Local compound and polish	Touch-up (Brush)	Local strip
Process number _____	3	6	7	8
Constant allowance _____	0.70	0.35	0.20	0.00
Allowance per repair _____	0.35	0.05	0.05	0.35



PAINT REFINISHING

RANGE ROVER CLASSIC

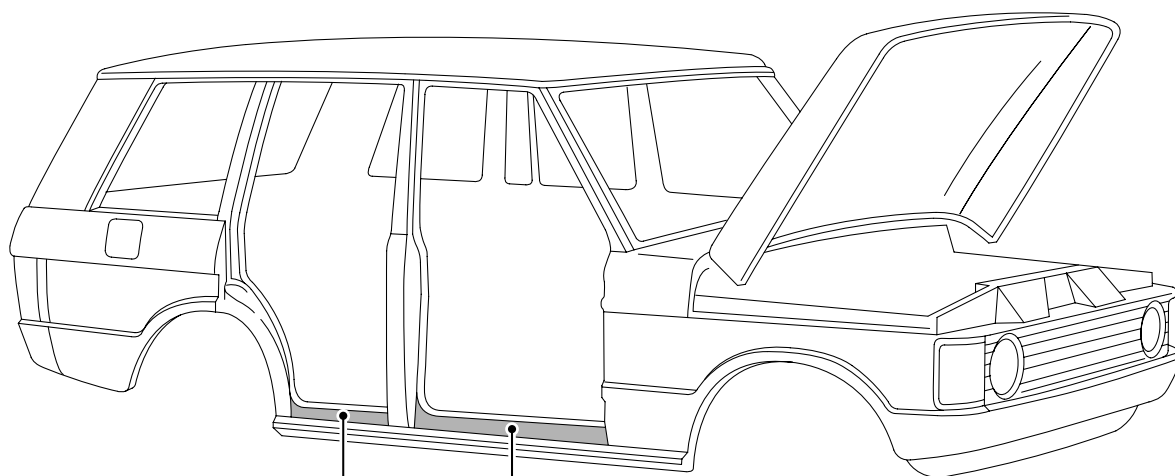
Process description _____	Strip and repaint	Flat and repaint	Flat compound and polish	Compound and polish	Local colour, full laquer
Process number _____	1	2	4	5	9
Constant allowance _____	2.30	0.90	0.40	0.35	0.80
Material allowance code _____	y				

Operation Number and Description

79.K WINDOW AND SCREEN FRAMES

79.KBK	A post/screen pillar - LH - exterior	A	0.35 0.05	0.30 0.05	0.05	0.05	0.30 0.05
79.KBL	A post/screen pillar - RH - exterior	A	0.35 0.05	0.30 0.05	0.05	0.05	0.30 0.05
79.KCA	Window frame - door - front - LH - complete	A	0.80 0.35	0.30 0.05	0.05	0.05	0.30 0.05
79.KDA	Window frame - door - front - RH - complete	A	0.80 0.35	0.30 0.05	0.05	0.05	0.30 0.05
79.KFA	Window frame - rear - LH - complete	A	0.80 0.35	0.30 0.05	0.05	0.05	0.30 0.05
	108" A	A	0.85 0.40	0.35 0.10	0.10	0.10	0.35 0.10
79.KGA	Window frame - rear - RH - complete	A	0.80 0.35	0.30 0.05	0.05	0.05	0.30 0.05
	108" A	A	0.85 0.40	0.35 0.10	0.10	0.10	0.35 0.10
79.KHA	Window frame - tailgate - complete	A	1.50 0.65	0.45 0.20	0.05	0.05	0.45 0.20

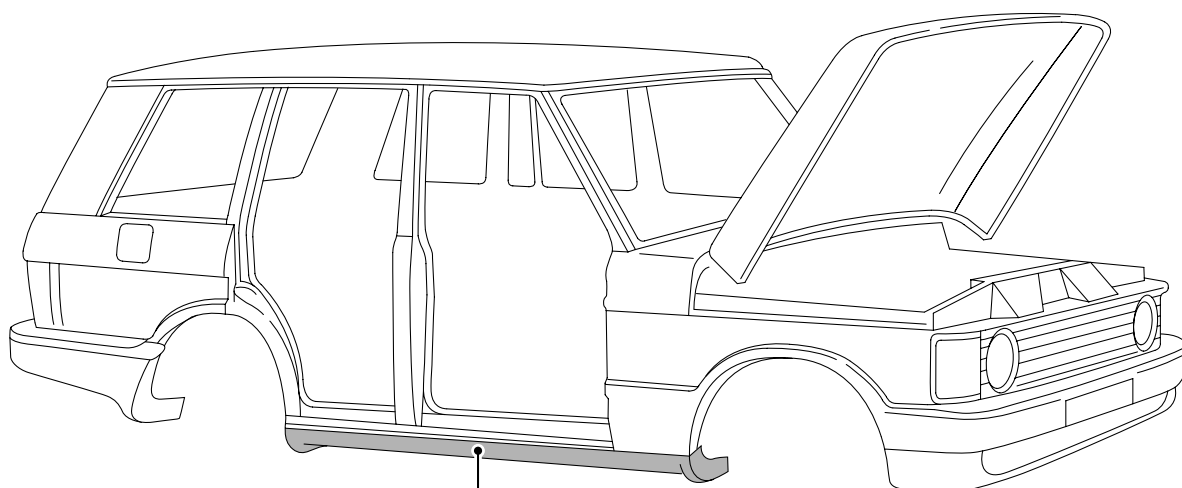
Process description _____	Local respray	Local compound and polish	Touch-up (Brush)	Local strip
Process number _____	3	6	7	8
Constant allowance _____	0.70	0.35	0.20	0.00
Allowance per repair _____	0.35	0.05	0.05	0.35



79.LLA
79.LMA

79.LLN
79.LMN

79.LLM
79.LMM



79.LLZ
79.LMZ

PAINT REFINISHING

RANGE ROVER CLASSIC

Process description _____	Strip and repaint	Flat and repaint	Flat compound and polish	Compound and polish	Local colour, full laquer
Process number _____	1	2	4	5	9
Constant allowance _____	2.30	0.90	0.40	0.35	0.80
Material allowance code _____	y				

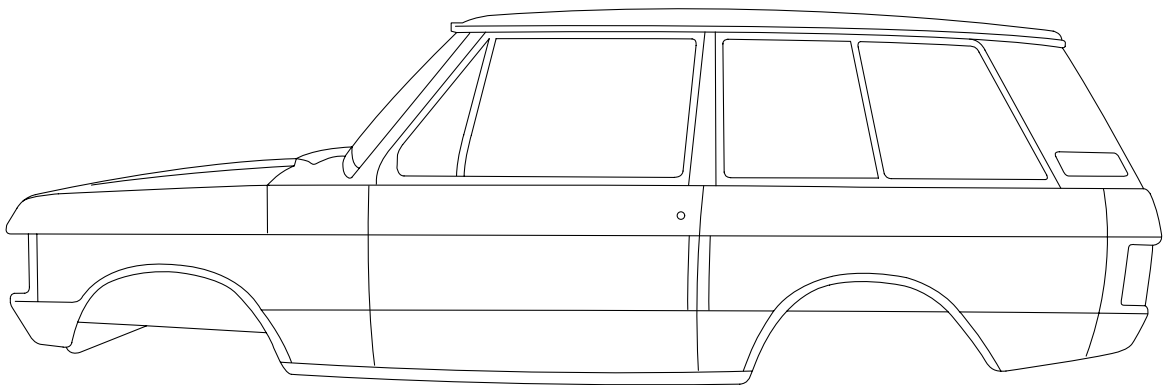
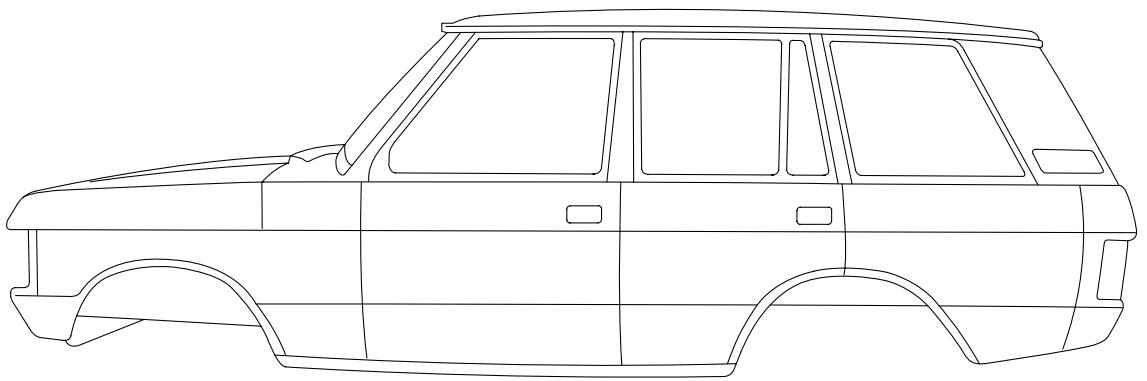
Operation Number and Description

79.L SILLS

79.LLA	Sill panel - LH - complete	A	0.65	0.25	0.05	0.05	0.25
		108" A	0.70	0.30	0.10	0.10	0.30
79.LLM	Sill - LH - front - section	A	0.45	0.25	0.05	0.05	0.25
79.LLN	Sill - LH - rear - section	A	0.25	0.25	0.05	0.05	0.25
		108" A	0.30	0.30	0.10	0.10	0.30
79.LLZ	Sill panel - LH - complete - body styling kit	A	-	0.30 0.10	0.10	0.05	0.30 0.10
79.LMA	Sill panel - RH - complete	A	0.65	0.25	0.05	0.05	0.25
		108" A	0.70	0.30	0.10	0.10	0.30
79.LMM	Sill - RH - front - section	A	0.45	0.25	0.05	0.05	0.25
79.LMN	Sill - RH - rear - section	A	0.25	0.25	0.05	0.05	0.25
		108" A	0.30	0.30	0.10	0.10	0.30
79.LMZ	Sill panel - RH - complete - body styling kit	A	-	0.30 0.10	0.10	0.05	0.30 0.10

Process description _____	Local respray	Local compound and polish	Touch-up (Brush)	Local strip
Process number _____	3	6	7	8
Constant allowance _____	0.70	0.35	0.20	0.00
Allowance per repair _____	0.35	0.05	0.05	0.35

79.MAA
79.MAE



PAINT REFINISHING

RANGE ROVER CLASSIC

Process description _____	Strip and repaint	Flat and repaint	Flat compound and polish	Compound and polish	Local colour, full laquer
Process number _____	1	2	4	5	9
Constant allowance _____	2.30	0.90	0.40	0.35	0.80
Material allowance code _____	y				

Operation Number and Description

79.M COMPLETE VEHICLE

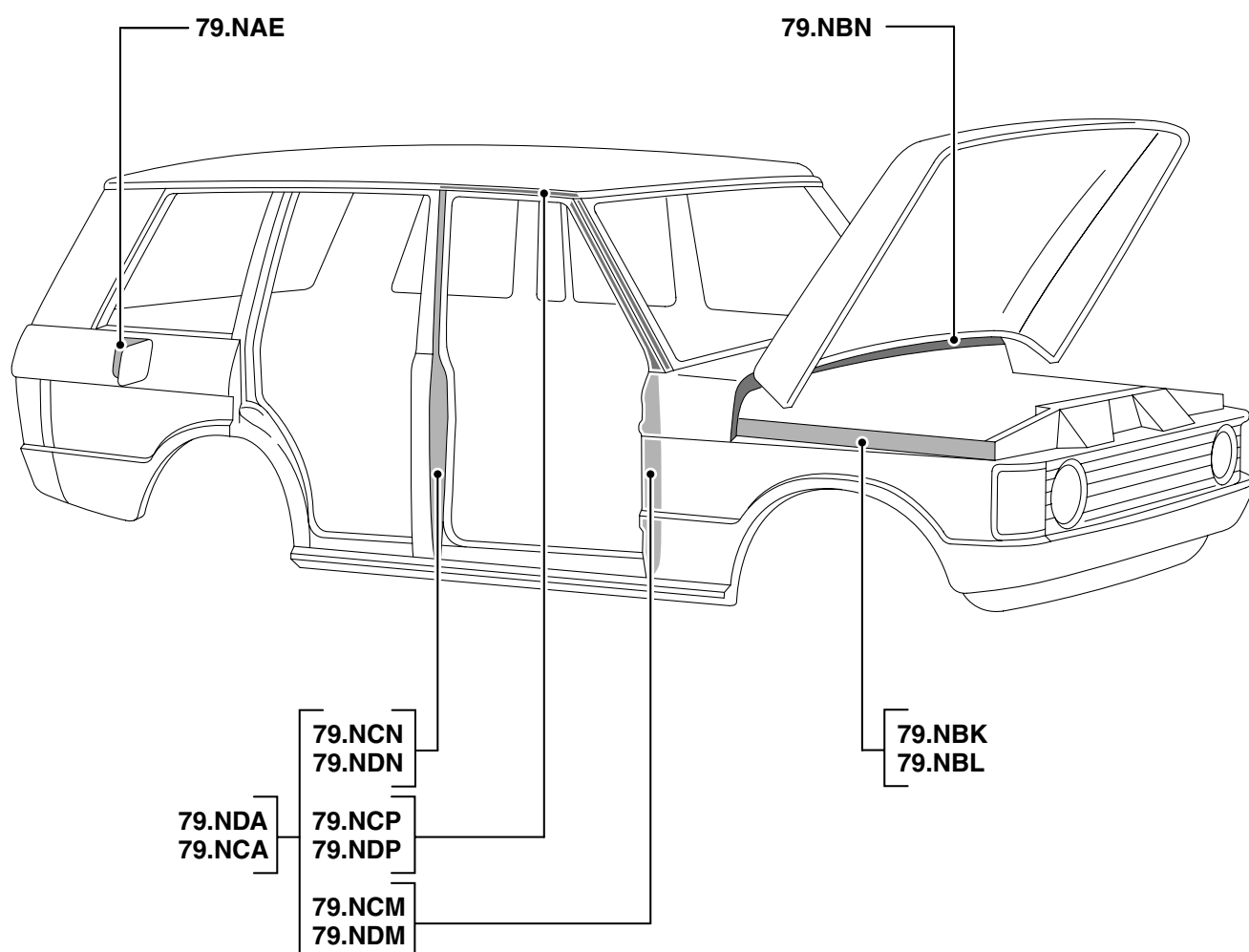
79.MAA All exterior panels - excluding shuts and apertures (with sunroof(s) and/or roofbars fitted)

2 door M	37.50	20.05	6.05	2.00	0.40
	8.00	4.05			
4 door N	42.50	20.07	6.35	2.05	0.40
	12.00	5.40			
108" O	45.90	22.35	6.85	2.20	0.40
	12.95	5.85			

79.MAE All exterior panels - including shuts and apertures (with sunroof(s) and/or roofbars fitted)

2 door M	42.50	23.20	6.65	2.15	0.40
	10.25	6.30			
4 door N	49.85	24.45	6.95	2.25	0.40
	14.25	7.65			
108" O	53.85	26.40	7.50	2.45	0.40
	15.40	8.25			

Process description _____	Local respray	Local compound and polish	Touch-up (Brush)	Local strip
Process number _____	3	6	7	8
Constant allowance _____	0.70	0.35	0.20	0.00
Allowance per repair _____	0.35	0.05	0.05	0.35



PAINT REFINISHING

RANGE ROVER CLASSIC

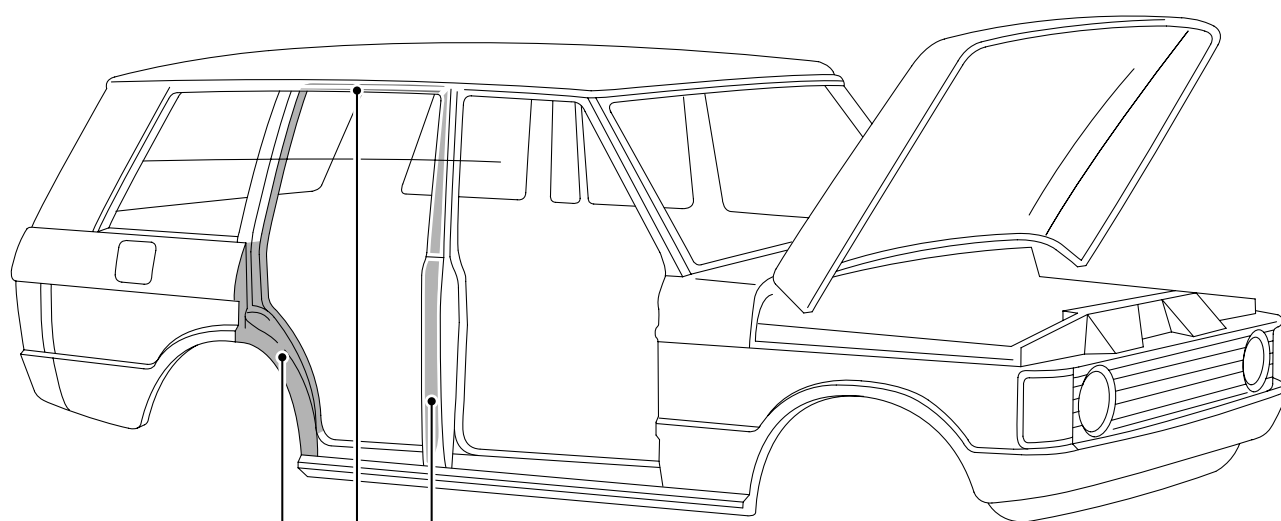
Process description _____	Strip and repaint	Flat and repaint	Flat compound and polish	Compound and polish	Local colour, full laquer
Process number _____	1	2	4	5	9
Constant allowance _____	2.30	0.90	0.40	0.35	0.80
Material allowance code _____	y				

Operation Number and Description

79.N APERTURES

79.NAE	Aperture - fuel filler - complete	A	0.25	0.25	0.05	0.05	0.25
79.NBK	Aperture - bonnet - LH - section	A	0.65	0.25	0.05	0.05	0.25
79.NBL	Aperture - bonnet - RH - section	A	0.65	0.25	0.05	0.05	0.25
79.NBN	Aperture - bonnet - rear - section	A	0.85	0.25	0.05	0.05	0.25
79.NCA	Aperture - door - front - LH - complete	2 door B	1.75	1.00	0.15	0.05	0.80
			0.65	0.35			0.35
		4 door B	1.40	0.65	0.15	0.05	0.65
			0.35	0.35			0.35
79.NCM	Hinge post - front - LH - complete	A	0.40	0.25	0.05	0.05	0.25
79.NCN	B post - front - LH - exterior	A	0.55	0.25	0.05	0.05	0.25
79.NCP	Aperture - door - front - LH - top	A	0.25	0.25	0.05	0.05	0.25
79.NDA	Aperture - door - front - RH - complete	2 door B	1.75	1.00	0.15	0.05	0.80
			0.65	0.35			0.35
		4 door B	1.40	0.65	0.15	0.05	0.65
			0.35	0.35			0.35
79.NDM	Hinge post - front - RH - complete	A	0.40	0.25	0.05	0.05	0.25
79.NDN	B post - front - RH - exterior	A	0.55	0.25	0.05	0.05	0.25
79.NDP	Aperture - door - front - RH - top	A	0.25	0.25	0.05	0.05	0.25

Process description _____	Local respray	Local compound and polish	Touch-up (Brush)	Local strip
Process number _____	3	6	7	8
Constant allowance _____	0.70	0.35	0.20	0.00
Allowance per repair _____	0.35	0.05	0.05	0.35

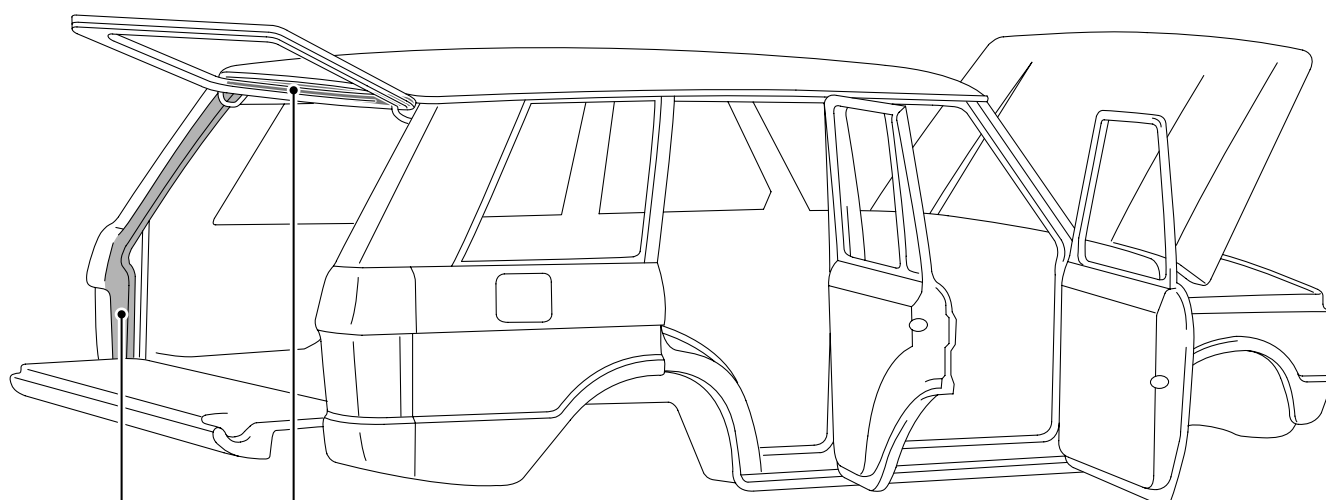


79.NFM
79.NGM

79.NFP
79.NGP

79.NFN
79.NGN

79.NFA
79.NGA



79.NHP

79.NHK
79.NHL

79.NHA

PAINT REFINISHING

RANGE ROVER CLASSIC

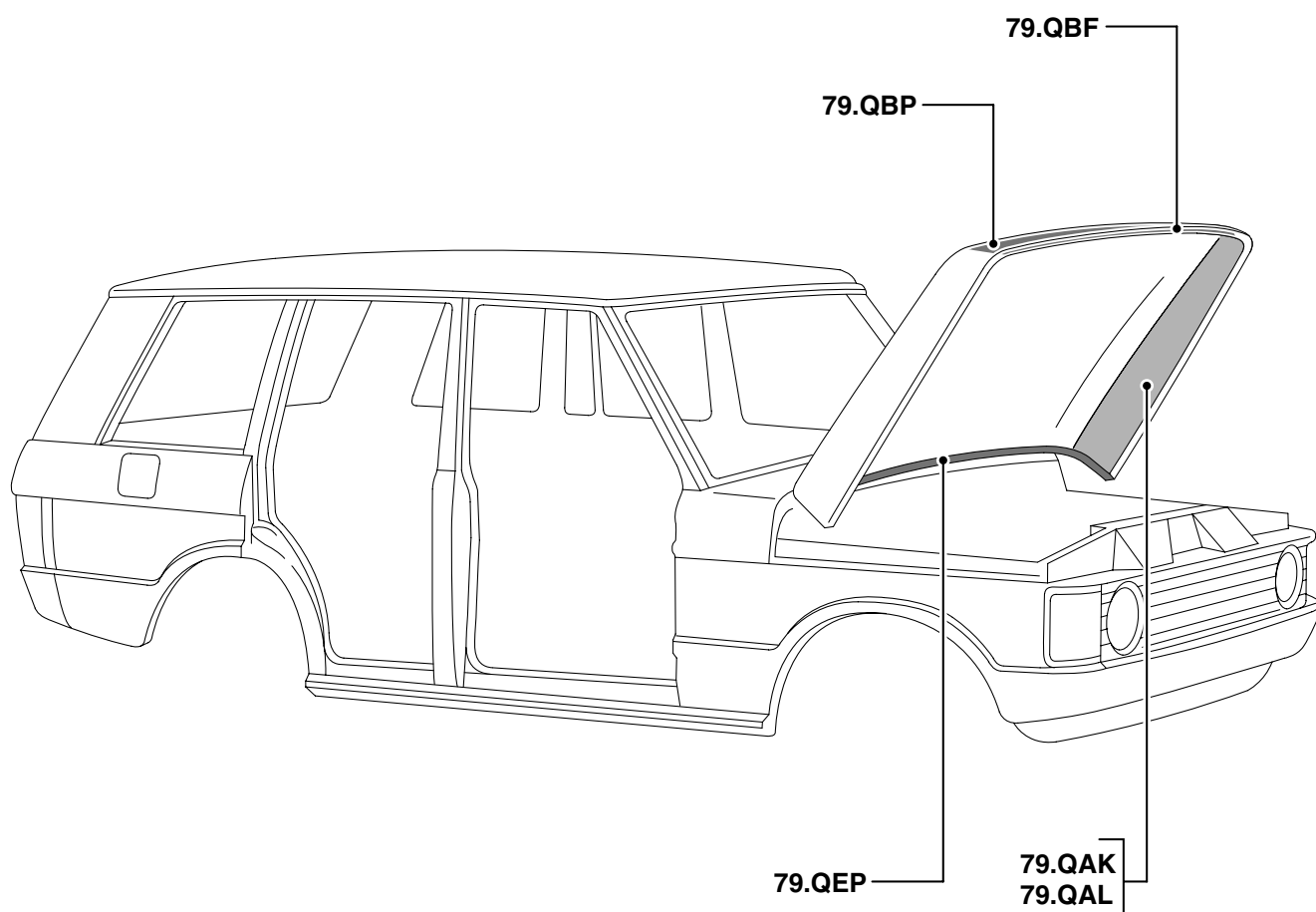
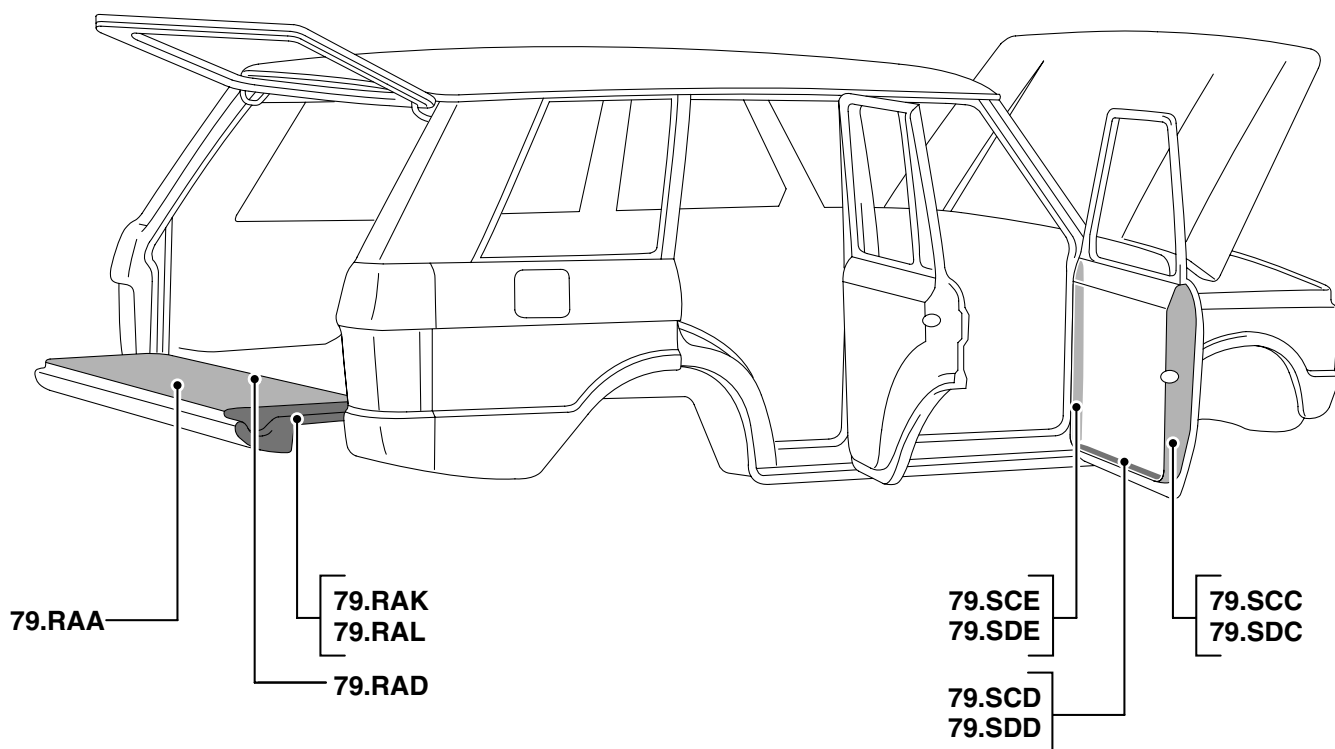
Process description _____	Strip and repaint	Flat and repaint	Flat compound and polish	Compound and polish	Local colour, full laquer
Process number _____	1	2	4	5	9
Constant allowance _____	2.30	0.90	0.40	0.35	0.80
Material allowance code _____	y				

Operation Number and Description

79.N APERTURES

79.NFA	Aperture - door - rear - LH - complete	4 door B	1.40 0.35	0.60 0.30	0.15	0.05	0.60 0.30
79.NFM	Hinge post - rear - LH - complete	A	0.55	0.25	0.05	0.05	0.25
79.NFN	D post - rear - LH - exterior	A	0.75	0.25	0.10	0.05	0.25
79.NFP	Aperture - door - rear - LH - top	A	0.30	0.25	0.05	0.05	0.25
79.NGA	Aperture - door - rear - RH - complete	4 door B	1.40 0.35	0.60 0.30	0.15	0.05	0.60 0.30
79.NGM	Hinge post - rear - RH - complete	A	0.55	0.25	0.05	0.05	0.25
79.NGN	D post - rear - RH - exterior	A	0.75	0.25	0.10	0.05	0.25
79.NGP	Aperture - door - rear - RH - top	A	0.30	0.25	0.05	0.05	0.25
79.NHA	Aperture - tailgate or taildoor - complete	A	1.80 0.95	1.20 0.95	0.10	0.05	1.20 0.95
79.NHK	Aperture - tailgate or taildoor - LH - section	A	0.50	0.25	0.05	0.05	0.25
79.NHL	Aperture - tailgate or taildoor - RH - section	A	0.50	0.25	0.05	0.05	0.25
79.NHP	Aperture - tailgate or taildoor - top - section	A	0.60	0.25	0.05	0.05	0.25

Process description _____	Local respray	Local compound and polish	Touch-up (Brush)	Local strip
Process number _____	3	6	7	8
Constant allowance _____	0.70	0.35	0.20	0.00
Allowance per repair _____	0.35	0.05	0.05	0.35



PAINT REFINISHING

RANGE ROVER CLASSIC

Process description _____	Strip and repaint	Flat and repaint	Flat compound and polish	Compound and polish	Local colour, full laquer
Process number _____	1	2	4	5	9
Constant allowance _____	2.30	0.90	0.40	0.35	0.80
Material allowance code _____	y				

Operation Number and Description

79.Q INTERIOR BONNET PANEL

79.QAK	Bonnet panel - inner - LH - side section	A	-	-	-	-
79.QAL	Bonnet panel - inner - RH - side section	A	-	-	-	-
79.QBF	Bonnet panel - inner - front lip - section	A	-	-	-	-
79.QBP	Bonnet panel - inner - front section	A	-	-	-	-
79.QEP	Bonnet panel - inner - rear section	A	-	-	-	-

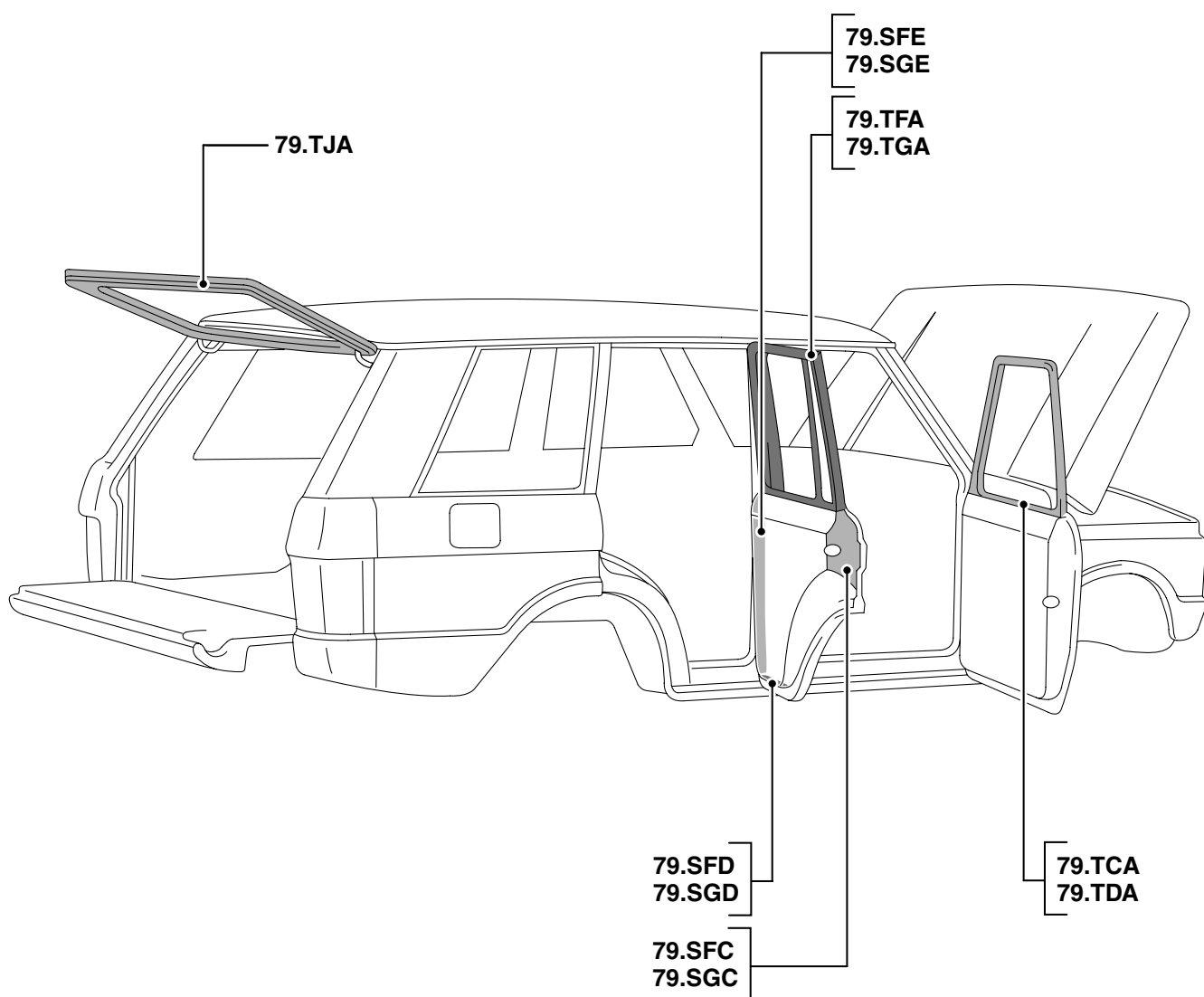
79.R INTERIOR BOOT LID/TAIL DOOR/TAILGATE

79.RAA	Tailgate, taildoor - inner - complete	C	1.40	0.70	0.30	0.10	0.45
79.RAD	Tailgate, taildoor - inner - lower/bottom	A	0.60	0.25	0.05	0.05	0.25
79.RAK	Tailgate, taildoor - inner - LH - side section	A	0.30	0.25	0.05	0.05	0.25
79.RAL	Tailgate, taildoor - inner - RH - side section	A	0.30	0.25	0.05	0.05	0.25

79.S INTERIOR DOORS

79.SCC	Door - front - inner - LH - lock face	A	0.40	0.25	0.05	0.05	0.25
79.SCD	Door - front - inner - LH - lower/bottom	A	0.50	0.25	0.05	0.05	0.25
79.SCE	Door - front - inner - LH - hinge face	A	0.40	0.25	0.05	0.05	0.25
79.SDC	Door - front - inner - RH - lock face	A	0.40	0.25	0.05	0.05	0.25
79.SDD	Door - front - inner - RH - lower/bottom	A	0.50	0.25	0.05	0.05	0.25
79.SDE	Door - front - inner - RH - hinge face	A	0.40	0.25	0.05	0.05	0.25

Process description _____	Local respray	Local compound and polish	Touch-up (Brush)	Local strip
Process number _____	3	6	7	8
Constant allowance _____	0.70	0.35	0.20	0.00
Allowance per repair _____	0.35	0.05	0.05	0.35



PAINT REFINISHING

RANGE ROVER CLASSIC

Process description _____	Strip and repaint	Flat and repaint	Flat compound and polish	Compound and polish	Local colour, full laquer
Process number _____	1	2	4	5	9
Constant allowance _____	2.30	0.90	0.40	0.35	0.80
Material allowance code _____	y				

Operation Number and Description

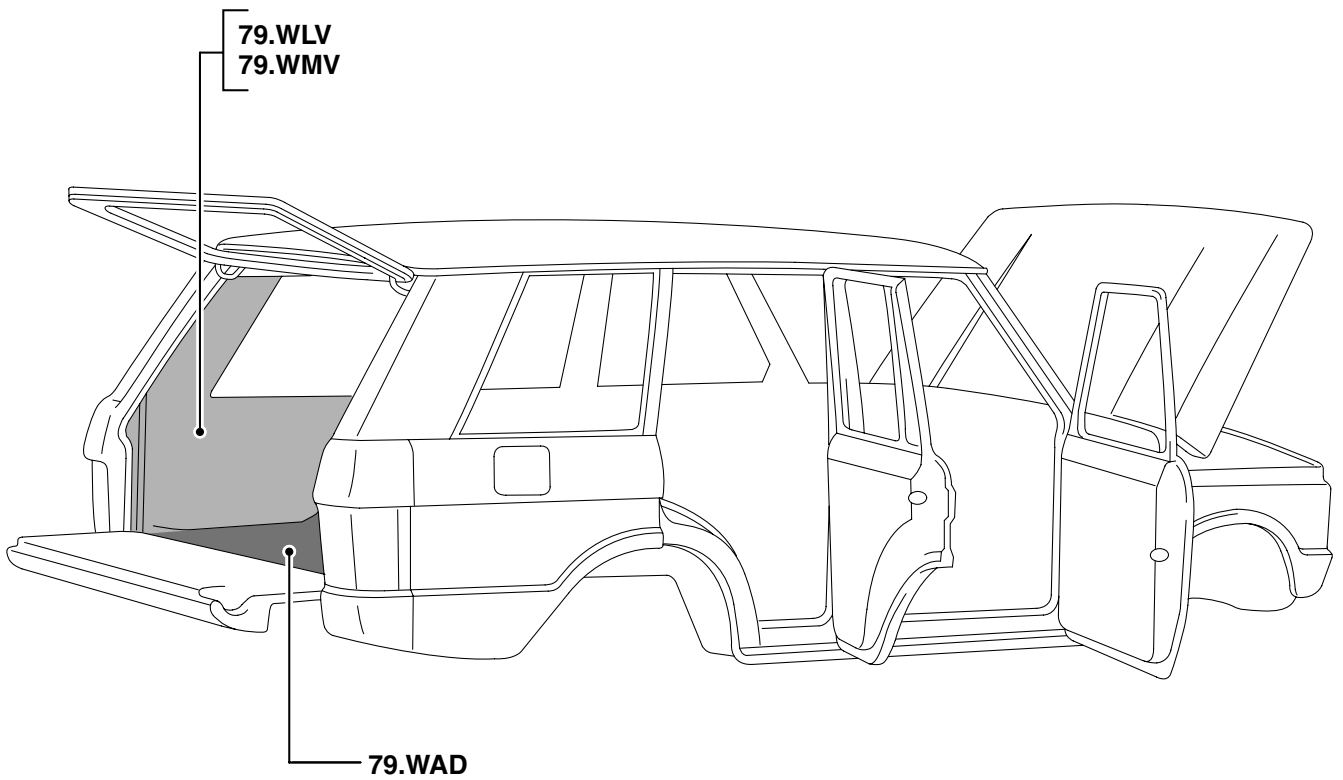
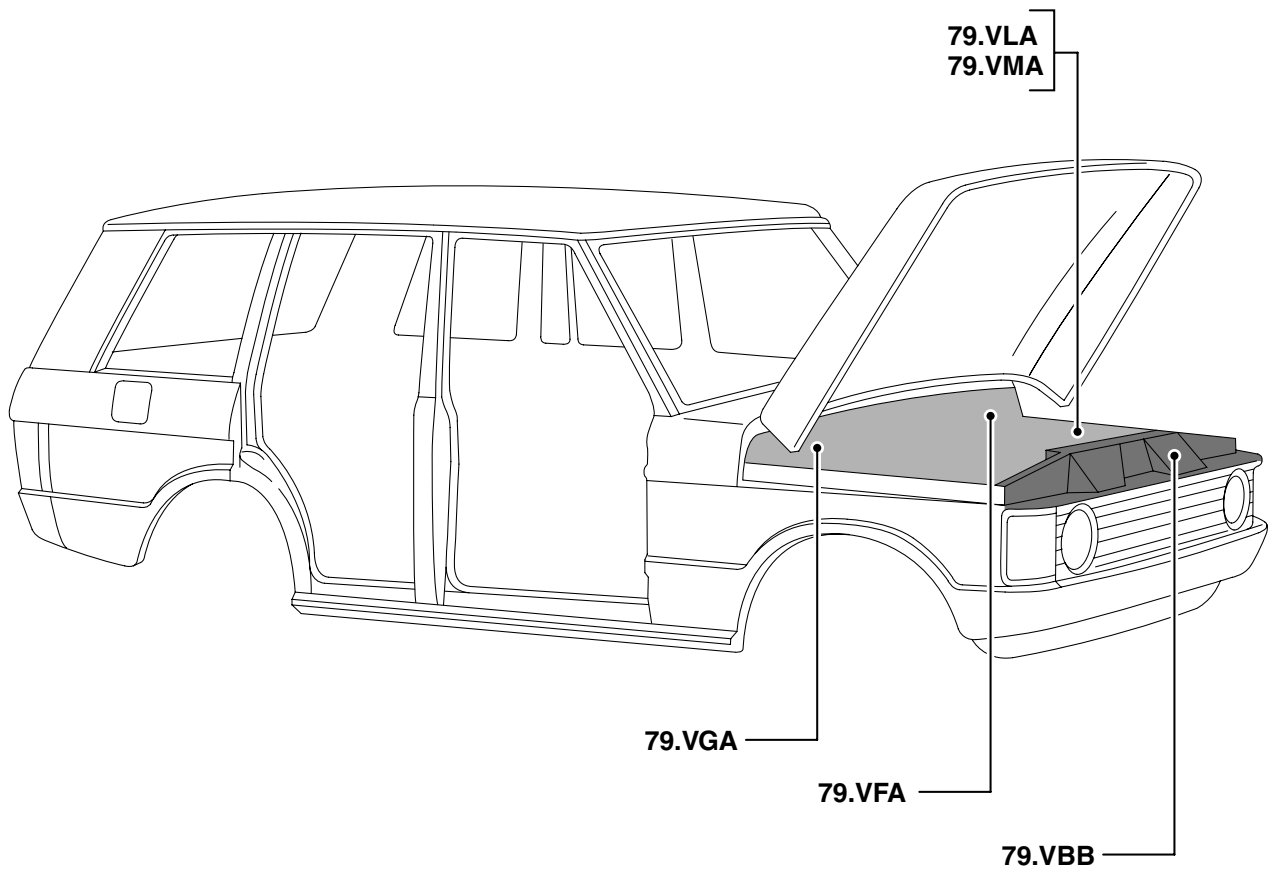
79.S INTERIOR DOORS

79.SFC	Door - rear - inner - LH - lock face	A	0.60	0.25	0.05	0.05	0.25
79.SFD	Door - rear - inner - LH - lower/bottom	A	0.30	0.25	0.05	0.05	0.25
	108" A	A	0.35	0.30	0.10	0.10	0.30
79.SFE	Door - rear - inner - LH - hinge face	A	0.40	0.25	0.05	0.05	0.25
79.SGC	Door - rear - inner - RH - lock face	A	0.60	0.25	0.05	0.05	0.25
79.SGD	Door - rear - inner - RH - lower/bottom	A	0.30	0.25	0.05	0.05	0.25
	108" A	A	0.35	0.30	0.10	0.10	0.30
79.SGE	Door - rear - inner - RH - hinge face	A	0.40	0.25	0.05	0.05	0.25

79.T INTERIOR WINDOW FRAMES

79.TCA	Window frame - door - front - inner - LH - complete	A	0.35	0.25	0.05	0.05	0.25
79.TDA	Window frame - door - front - inner - RH - complete	A	0.35	0.25	0.05	0.05	0.25
79.TFA	Window frame - door - rear - inner - LH - complete	A	0.35	0.25	0.05	0.05	0.25
	108" A	A	0.40	0.30	0.10	0.10	0.30
79.TGA	Window frame - door - rear - inner - RH - complete	A	0.35	0.25	0.05	0.05	0.25
	108" A	A	0.40	0.30	0.10	0.10	0.30
79.TJA	Window frame - tail door/tailgate - inner - complete	B	1.00	0.35	0.15	0.05	0.35

Process description _____	Local respray	Local compound and polish	Touch-up (Brush)	Local strip
Process number _____	3	6	7	8
Constant allowance _____	0.70	0.35	0.20	0.00
Allowance per repair _____	0.35	0.05	0.05	0.35



PAINT REFINISHING

RANGE ROVER CLASSIC

Process description _____	Strip and repaint	Flat and repaint	Flat compound and polish	Compound and polish	Local colour, full laquer
Process number _____	1	2	4	5	9
Constant allowance _____	2.30	0.90	0.40	0.35	0.80
Material allowance code _____	y				

Operation Number and Description

79.V INTERIOR ENGINE COMPARTMENT

79.VBB	Platform - bonnet lock - complete	B	1.05	0.40	0.15	0.05	0.40
79.VFA	Bulkhead - engine compartment - LH - section	A	-	-	-	-	-
79.VGA	Bulkhead - engine compartment - RH - section	A	-	-	-	-	-
79.VLA	Inner flitch panel - engine compartment - LH - complete	A	-	-	-	-	-
79.VMA	Inner flitch panel - engine compartment - RH - complete	A	-	-	-	-	-

79-W INTERIOR LOAD SPACE

79.WAD	Floor - freight - complete	C	1.80	0.80	0.25	0.10	0.45
79.WLV	Interior freight side - LH - complete	B	0.90	0.40	0.15	0.05	0.40
79.WMV	Interior freight side - RH - complete	B	0.90	0.40	0.15	0.05	0.40

Process description _____	Local respray	Local compound and polish	Touch-up (Brush)	Local strip
Process number _____	3	6	7	8
Constant allowance _____	0.70	0.35	0.20	0.00
Allowance per repair _____	0.35	0.05	0.05	0.35

MATERIALS ALLOWANCE

Materials allowance code letters are shown alongside each refinishing operation. DO NOT QUOTE THESE ON WARRANTY CLAIMS (see Warranty Policy Procedures Manual). For your convenience when costing repairs, allowances can be calculated by adding the constant points to the points allocated to each letter and multiplying the sum by the monetary value. Use the points allowances given in the charts for your calculation. Monetary values will be issued and updated by policy letters as circumstances dictate.

CALCULATING MATERIAL ALLOWANCES (Note examples given refer to DEFENDER)

Note: The value of materials used in refinishing more than one sub area of a panel must not exceed the allowances given for the complete panel.

Complete Panels - Single Panel Only

Identify the panel, refinish process and materials code letter e.g.

79ECA1C Door, Front - LH - Panel - Complete - Strip and Repaint = 148 points

Strip and Repaint - Constant 1 = 200 points

Total materials allowance points 79ECA1 = 348 points

Material cost allowance = 348 x Monetary value

Complete panels - Two or More

Identify the panel and refinish process and materials code letter e.g.

79ECA1C Door, Front - LH - Panel - Complete - Strip and Repaint = 148 points

79AAA2H Roof panel - Flat and Repaint = 549 points

79BAA5D Bonnet - Compound and polish = 18 points

Add the highest constant for the process undertaken, i.e., Strip and Repaint = 200 points

Total materials allowance points 79ECA1C, 79AAA2H and 79BAA5D = 915 points

MATERIAL COST ALLOWANCE = 915 x Monetary value

Local Repairs - Single panel

Identify the panel and refinish process and materials code letter e.g.

79ECA3A Door, Front - LH - Local Repaint = 21 points

Local Repaint - Constant 3 = 100 points

Total materials allowance points 79ECA3A = 121 points

Material cost allowance = 121 x Monetary Value

Local repairs - Two or More

Identify panels, refinish processes and materials code letter e.g.

79ECA3A Door, Front - LH - Local Repaint = 21 points

79AAA6A Roof panel - Local compound and polish = 3 points

79BAA7A Bonnet - Touch-up (brush) = 1 point

Add the highest constant for the processes undertaken, i.e., Local Repaint = 100 points

Total materials allowance points 79ECA3A, 79AAA6A and 79BAA7A = 125 points

Material cost allowance = 125 x Monetary Value

If it is necessary to complete two or more of the same processes on a panel, the following examples should be followed:

Identify panel, refinish process and materials code letter e.g.

79AAA6A Roof Panel - Local Compound and polish = 3 points

Number of repairs (3) = 3 x 3 points = 9 points

Local compound and polish - Constant 6 = 20 points

Total materials allowance points 79AAA6A x 3 = 29 points

Local Strip Repair - One or More

This process will normally be accompanied by a Flat and Repaint of the complete panel e.g.

Roof Panel - Local Strip 79AAA8A = 39 points

Roof Panel - Flat and Repaint 79AAA2H = 549 points

Flat and Repaint constant - Constant 2 = 100 points

Total material allowance points 79AAA2H and 79AAA8A = 688 points

If more than one local strip is completed on the same panel, add the Local strip materials allowance points (79AAA8A = 39 points) for each repair completed.

COMPLETE PANEL CHART

PROCESS NUMBER >>	1	2	4	5
CONSTANT >>	200	100	20	20
MATERIAL CODE				
A	39	21	3	3
B	86	46	7	7
C	148	80	11	11
D	234	126	18	18
E	395	313	30	30
F	559	301	43	43
G	764	412	59	59
H	1019	549	78	78
I	1326	714	102	102
J	1682	906	129	129
K	2088	1124	161	161
L	2535	1365	195	195
M	3013	1623	232	232
N	3510	1890	270	270
O	4001	2155	308	308
P	4472	2408	344	344
Q	4896	2636	377	377
R	5255	2829	404	404
S	5525	2975	425	425
T	5694	3066	438	438
U	5811	3129	447	447
V	5928	3192	456	456
W	6050	3258	465	465
X	6172	3324	475	475
Y	6297	3391	484	484
Z	6427	3461	494	494

LOCAL REPAIR CHART

PROCESS NUMBER >>	3	6	7	8
CONSTANT >>	100	20	-	-
MATERIAL CODE				
A	21	3	1	3

Return to:
 Technical communication
 Rover Group Commercial Division
 PO Box 29
 Cowley
 Oxford
 OX4 5NL
 FAX 01865 746695

Dealers Address

PROCEDURE FOR REVIEW OF MECHANICAL REPAIR OPERATION TIME

Extensive research is carried out to ensure the accuracy of these times but should you have any queries the review form printed below must be reproduced and completed in full.
 Time allowances are set using the methods as describes within the repair operations manuals and/or technical bulletins

Operation Number Model
 Scheduled Publication Part No. Variant.....
 Published Time Model Year.....
 Description

Details of time Taken

Please provide this data in as much detail as possible. No action will be taken unless this information is provided.

Diagnosis	Remove	Clean & Inspect	Dismantle & Overhaul	Refit	Adjust	Vehicle movement	Collect Parts	Collect Service tools	Total time taken

Please state specific areas of concern or difficulty

Additional comments.....

It is confirmed that the above details are a realistic assessment of the times taken when adhering to the procedures detailed in the Repair Operation Manual.

Service Manager Date.....

(DEALER RETAIN COPY FOR REFERENCE)

