

AAHN 0050 F01 dt. 12.02.2014

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by Rashmi H Urdhwarshet
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TATA

MOTORS LIMITED

Brief Technical Specifications : Table 7 of

07

Manufacturer's name and address	Tata Motors Ltd. Mumbai,Pune,Jamshedpur,Luc	Dharwad,Pantnagar.
Country of Origin, if imported	NA	
Vehicle Data		
Basic Model	TATA SUMO GRANDE DICOR G	Seater BS-IV
Type/Description	MUV	
Category of the vehicle (as per AIS 053)	M1	
Variant(s)	Refer Annexure I	
Type/Description	MUV	
Category of Variant(s), (as per AIS053)	M1	
Make and Country of origin, if imported	NA	
Model	Opt I:- TATA 2.2L DICOR 10 ; Op	ATA VARICOR 05
Type	Compression Ignition	
Bore x Stroke, mm	85X96	
No. Of cylinders	4	
Displacement	2179	
Compression Ratio	For TATA 2.2L DICOR 10 engine	(+/-):1 & For TATA
Max. Engine Output, kW @ rpm	Opt.II:89.4KW @ 4000rpm ; Opt.II	KW @ 4000rpm As per
Max. Torque, Nm@rpm	Doc.No.MOST/CMVR/TAP-115/1	
Air Cleaner type	250 Nm @ 1500 to 3000RPM As	
Type	Doc.No.MOST/CMVR/TAP-115/1	
Make & Model	Dry type	
Type	Dry Single Plate	
No. of Gears	G76-5/4.1	
Gear Ratio	Synchromesh	
	5 Forward + 1 Reverse	

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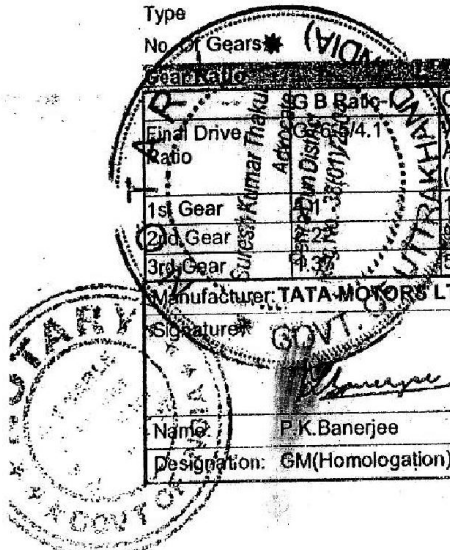
Final Drive Ratio	G.B Ratio-I	Overall Ratio-I	G.B Ratio-II	Overall Ratio
1st Gear	4.1	WITH REAR AXLE RATIO (1.1)		
2nd Gear	2.8	5.810		
3rd Gear	2.1	1.102		
		5.617		

B Ratio-III	Overall Ratio-III

Manufacturer: TATA MOTORS LTD.	Document No.: STN01077, R	Test Agency: Signature
Signature: P.K. Banerjee	Sheet No. 1 of 4	Name: Rashmi Urdh.
Designation: GM(Homologation)ERC	Date: 19.11.2014	Designation: Deputy Direc



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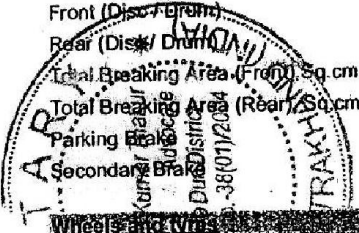
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Brief Technical Specifications : Table 7 of AIS007

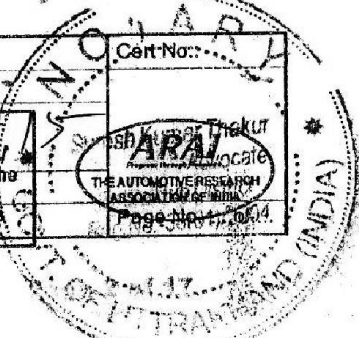
4th Gear	1.00	4.100		
5th Gear	0.73	2.993		
6th gear	Not Applicable	Not Applicable		
Over Drive	Not Applicable	Not Applicable		
Reverse	3.751	15.375		

Drive Axle (Front/ Rear/ All)	Rear
Front axle ratio	Not Applicable
Rear axle ratio	4.1
Type/ Description	Opt.I :-Worm & Roller, Power Assisted- Hydraulic ; Opt.II :-RCBT, Power Assisted-Hydraulic; Opt.III :-R&P Power Assisted- Hydraulic.
Steering wheel diameter, mm	Option I :380 , Option II:400 & Option III:360
Ratio	Opt.I:- 18.2:1 ; Opt.II:-18.1:1 ; Opt.III:- 44.2:1
Long member size, mm	110x60x3.15 Thk.
Number of cross members	9
Type/ Description (Front)	Double Wishbone with Coil Spring
Type/ Description (Rear)	Parabolic Leaf Spring
Spring	Front- Coil Spring; Rear- Leaf Spring
Anti-roll bar (Front)	Antiroll bar
Anti-roll bar (Rear)	Antiroll bar
Shock absorbers (Front)	Double Acting Hydraulic Telescopic, 2 Nos
Shock absorbers (Rear)	Double Acting Hydraulic Telescopic, 2 Nos
Service Brake (Brief Description)	Dual circuit with Tandem Master Cylinder acting on all wheels.
Auto slack adjuster fitted (Yes/No/Optional)	Automatic wear adjusters at front and rear (Optional Manual Adjuster on Rear Wheels)
ABS Fitted (Yes/ No/ Optional)	No
Front (Disc/ Drum)	Disc Brake
Rear (Disc/ Drum)	Drum Brake
Total Braking Area (Front) Sq. cm.	Opt.II:-236 ; Opt.III:-240 & Opt.III :-220
Total Braking Area (Rear) Sq. cm.	574
Parking Brake	Cable operated; Mechanical
Secondary Brake	Two front brake in case of rear brake failure / Two rear brake in case of front brake failure.
Wheel rim Size, Front	Opt.1:- 6.5J x 16" ; Opt.2:- 5.5J x 15"

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Manufacturer: TATA MOTORS LTD.	Document No.: STN01077, R	Test Agency: Signature	Cert No.:
Name: P.K. Banerjee	Sheet No. 2 of 4	Designation: Notary Public	
Designation: GM (Homologation) ERC	Date: 19/11/2014	Place: Dehradun (Uttarakhand) INDIA	Page No.: 02/14



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Brief Technical Specifications : Table 7 of AIS007

Wheel rim size, Rear	Opt.1:- 6.5J x 16" ; Opt.2:- 5.5J x 15"
Wheel rim size, Front	Opt.1 :- 235/70 R16 105 S Radial Tubeless tyres (Optional Radial With Tube) ; Opt.2 :- 215/75 R15 LT 115/113S Radial Tubeless tyres (Optional Radial With Tube)
Wheel rim size, Rear	Opt.1 :- 235/70 R16 105 S Radial Tubeless tyres (Optional Radial With Tube) ; Opt.2 :- 215/75 R15 LT 115/113S Radial Tubeless tyres (Optional Radial With Tube)
Speed Index	NA
Load Index/Load Rating	S
Tyre Type (Radial/ Cross/ Tube/ Tubeless)	Opt.1 :- 105 ; Opt.2 :- 115/113
Tyre Size (Other)	Radial Tubeless (Optional Radial With Tube)
Laden tyre pressure, kg/sq.cm, Front	NA
Laden Tyre pressure, kg/sq.cm, Rear	Opt.1 :- 2.2+/-0.3 kg/cm2 ; Opt.2 :- 2.2+/-0.3 kg/cm2
	Opt.1 :- 2.2+/-0.3 kg/cm2 ; Opt.2 :- 2.4+/-0.3 kg/cm2
	NA
System Voltage, V	12 V
Battery Rating, Ah	Opt.1 :- 12 V,80 Ah ; Opt.2 :- 12 V,75 Ah ; Opt.3 :- 12 V,65 Ah
Wiper Motor	2 Speed with intermittent Wiping
Wiping System(Brief Description)	Power Operated
Material	Metallic
Capacity, ltr	65
Wheel base, mm	2550
Overall Width, mm	Option I : 1780mm & Option II : 1853mm with side foot step
Overall Length, mm	Option I : 4421mm & Option II : 4500mm with Rear foot step
Overall Height, mm	1940
Front Track, mm	1496
Rear Track, mm	1490
Min. ground clearance, mm	Opt.1:160;Opt.2:129(As per IS 9435:2004)
Cargo box dimensions, mm	NA
Load body platform area	NA
Maximum GVW, kg (for rigid vehicles)	Refer Annexure-I
Maximum GCW, kg (for articulated / combination vehicles)	NA

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Manufacturer: TATA MOTORS LTD.
 Signature: *P.K. Banerjee*
 Name: P.K. Banerjee
 Designation: GM(Homologation)ERC

Document No.: STN01077, R
 Sheet No. 3 of 4
 Date: 19.11.2013

Test Agency: Rashmi Urware
 Signature: *Rashmi Urware*
 Name: Rashmi Urware
 Designation: Deputy Director
 Department: REGULATION



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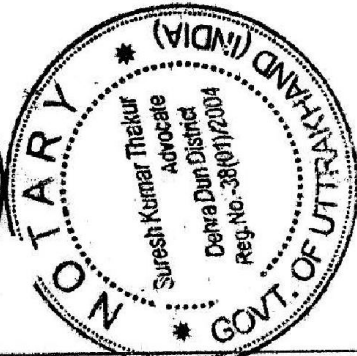
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Brief Technical Specifications : Table 7 of AIS007

Maximum FAW, kg	Refer Annexure-I
Maximum RAW, kg	Refer Annexure-I
Kerb weight with 90% fuel (with spare wheel, tools, etc.), kg	Refer Annexure-I
Maximum gradeability in 1st gear	15
Maximum gradeability in 2nd gear	
Seating Capacity	Refer Annexure - I
Sketch showing seating layout with dimensions	Refer Doc No: 2895 9970 00 14

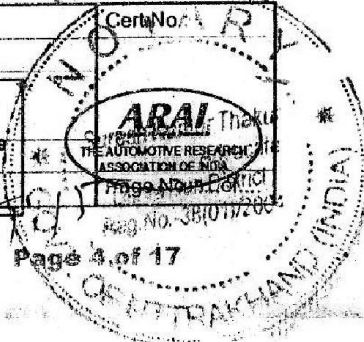
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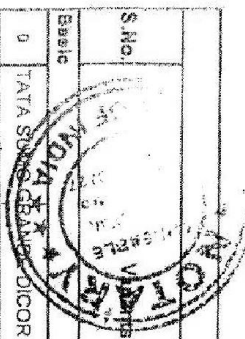
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Manufacturer: TATA MOTORS LTD.	Document No.: STN01077, R	Test Agency: Signature	Cert No. ARAI
Signature: <i>P.K. Banerjee</i>		Name: <i>P.K. Banerjee</i>	
Name: P.K. Banerjee	Sheet No. 4 of 4	Signature: <i>S.K. Thakur</i>	
Designation: GM(Homologation) ERT	Date: 19.11.2010	Signature: <i>S.K. Thakur</i>	

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STN 01077.0 - ANNEXURE - I

S.No.	Kerb Weight in Kg.	Referrance e Mass	Max Permissible FAW (kg)	Max Permissible RAW (kg)	Upladen F/R	GVM (kg)	Engine			
							TATA 2.2L DICOR 10	TATA VARICOR 05		
F	R	Total								
0	1000	950	1950	2100	1100	1525	1.05	2625	S	
Variants:										
1	1000	925	1925	2075	1100	1525	1.08	2625	S	
2	1000	950	1950	2100	1100	1525	1.05	2625	S	
3	1000	916	1916	2066	1100	1525	1.09	2625	S	
4	1000	940	1940	2090	1100	1525	1.06	2625	S	
5	1000	940	1940	2090	1100	1525	1.06	2625	S	
6	1000	932	1932	2082	1100	1525	1.07	2625	S	
7	1000	925	1925	2075	1100	1525	1.08	2625	S	
8	1000	950	1950	2100	1100	1525	1.05	2625	S	
9	1000	950	1950	2100	1100	1525	1.05	2625	S	
10	1000	942	1942	2092	1100	1525	1.06	2625	S	
11	1000	916	1916	2066	1100	1525	1.09	2625	S	
12	1000	940	1940	2090	1100	1525	1.06	2625	S	
13	1000	940	1940	2090	1100	1525	1.06	2625	S	
14	1000	932	1932	2082	1100	1525	1.07	2625	S	
15	995	945	1940	2090	1095	1470	1.05	2565		S
16	995	945	1940	2090	1095	1470	1.05	2565		S
17	975	871	1846	1996	1075	1460	1.12	2535		S
18	975	875	1850	2000	1075	1460	1.11	2535		S
19	975	871	1846	1996	1075	1460	1.12	2535		S
20	975	875	1850	2000	1075	1460	1.11	2535		S

P. K. BANERJEE
Head (Homologation & PE)
ERC, TATA MOTORS LTD

S - Standard Fitment

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Table 11 of AIS:007 (Rev. 3)

Details of location of Chassis number and code for month and year of Manufacture as per rule 122 of CMVR

Name of the Vehicle Manufacturer & Address	TATA Motors Limited, Mumbai, Jamshedpur, Pune, Lucknow, Dharwad Pantnagar.
Name of the Basic model	TATA SUMO GRANDE DICOR GX, 8 Seater BS-IV
Name of Variants, if any	Refer Annexure I
Place of Embossing or etching the Chassis Number (Vehicle Identification Number). Supporting details by drawing or pictures may be provided if necessary.	In belly portion of long member

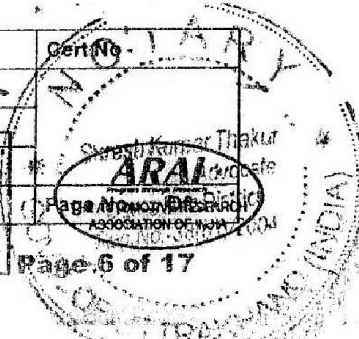
Code for month and year of production:

Code for month of production		Code for year of production			
Month	Code	Year	Code	Year	Code
January	A	1.1.2013 to 31.12.2013	D	1.1.2027 to 31.12.2027	V
February	B	1.1.2014 to 31.12.2014	E	1.1.2028 to 31.12.2028	W
March	C	1.1.2015 to 31.12.2015	F	1.1.2029 to 31.12.2029	X
April	D	1.1.2016 to 31.12.2016	G	1.1.2030 to 31.12.2030	Y
May	E	1.1.2017 to 31.12.2017	H	1.1.2031 to 31.12.2031	1
June	F	1.1.2018 to 31.12.2018	J	1.1.2032 to 31.12.2032	2
July	G	1.1.2019 to 31.12.2019	K	1.1.2033 to 31.12.2033	3
August	H	1.1.2020 to 31.12.2020	L	1.1.2034 to 31.12.2034	4
September	J	1.1.2021 to 31.12.2021	M	1.1.2035 to 31.12.2035	5
October	K	1.1.2022 to 31.12.2022	N	1.1.2036 to 31.12.2036	6
November	N	1.1.2023 to 31.12.2023	P	1.1.2037 to 31.12.2037	7
December	P	1.1.2024 to 31.12.2024	R	1.1.2038 to 31.12.2038	8
		1.1.2025 to 31.12.2025	S	1.1.2039 to 31.12.2039	9
		1.1.2026 to 31.12.2026	T	1.1.2040 to 31.12.2040	A

Position of the code for month of production in the Chassis number:	MAT465XXXXXX
Position of the code for year of production in the Chassis number:	MAT465XXXXXX
Height of the Chassis No. (Vehicle Identification Number):	7 mm (Minimum)
Example of Engine No.	Opt.01 :- 2.2 L DICOR 10 J RK 30361 Opt.02 :- TATA VARICOR 05 J RK 30361
Example of Chassis No (Vehicle Identification Number) With Month & Year of Manufacture:-	MAT46501289K23722

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Signature: <i>[Signature]</i>	Sheet No 1 of 1	Sign -	
Name: K. Banerjee	Date: 12.02.2014	Name: <i>[Signature]</i>	
Designation: GM (Homologation) ERG		Designation: <i>[Signature]</i>	



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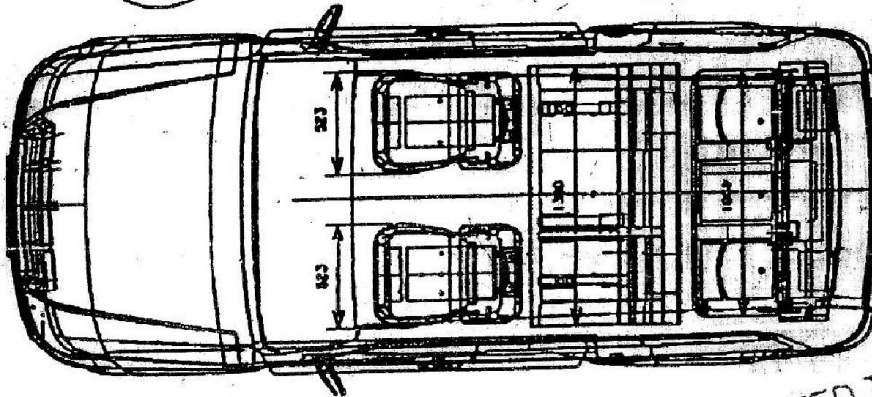
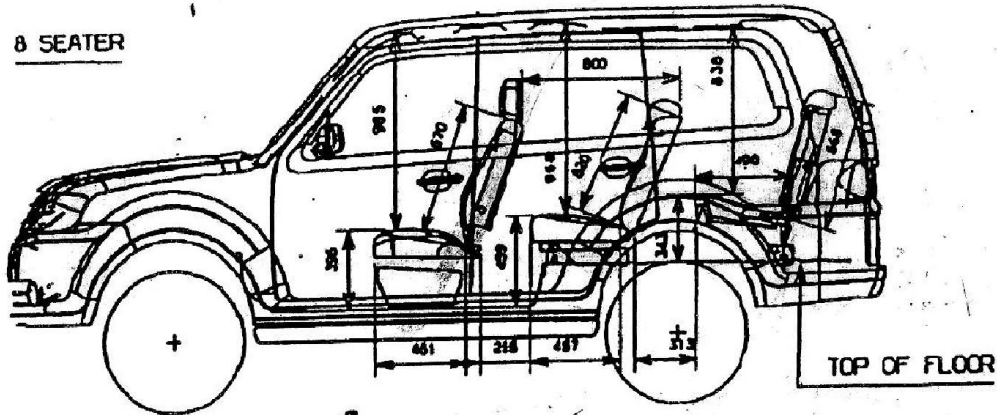
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TATA SUMO GRANDE



SEATING LAYOUT 8 SEATER

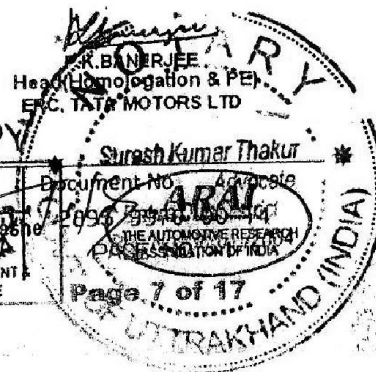
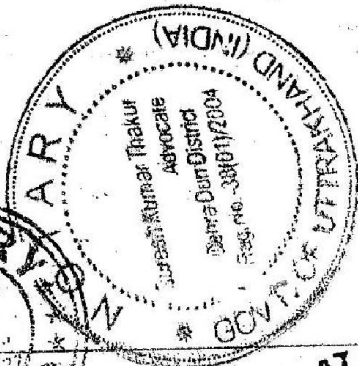
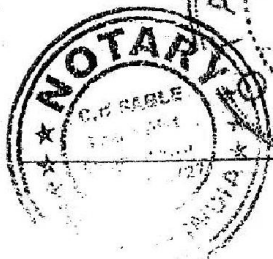
8 SEATER



All part facing
Seat, 8 seater
approved for All
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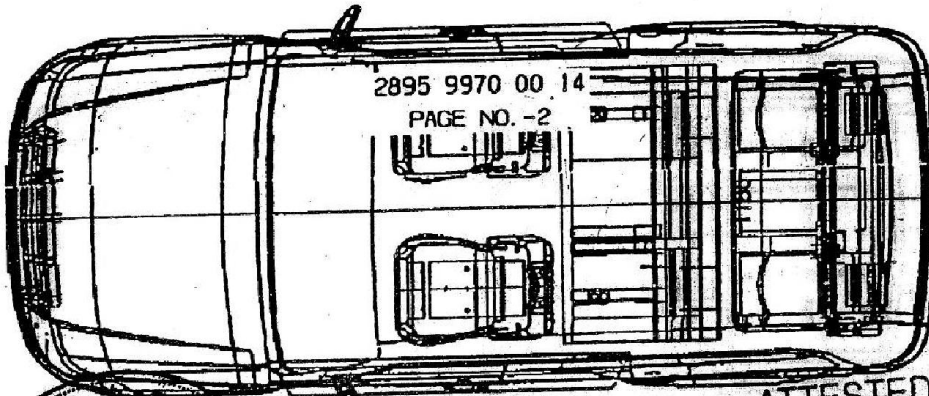
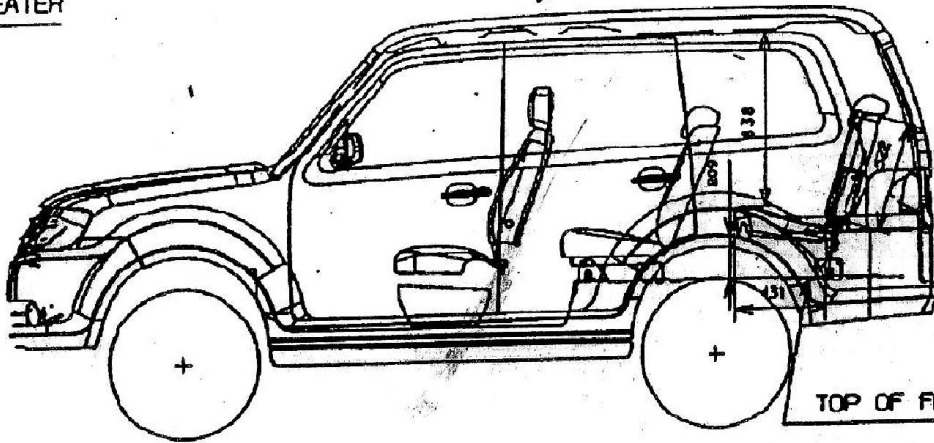
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TATA SUMO GRANDE
SEATING LAYOUT 7 SEATER

7 SEATER



*Appd for
All India
Permit*

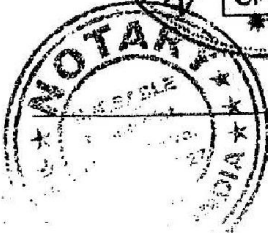
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P.K.BANERJEE
Head (Homologation & PE)
ERC TATA MOTORS LTD

OPTION WITH FRONT FACING 3RD ROW
SEATING OF DRIVER, CO-DRIVER SEAT & SECOND ROW SEAT
AS SHOWN IN SHEET NO 1 OF 2895 9970 00 14



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