

## FRU (Field Replaceable Unit) List

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This chapter gives you the FRU (Field Replaceable Unit) listing in global configurations of Ferrari 3000 series products. Refer to this chapter whenever ordering for parts to repair or for RMA (Return Merchandise Authorization).

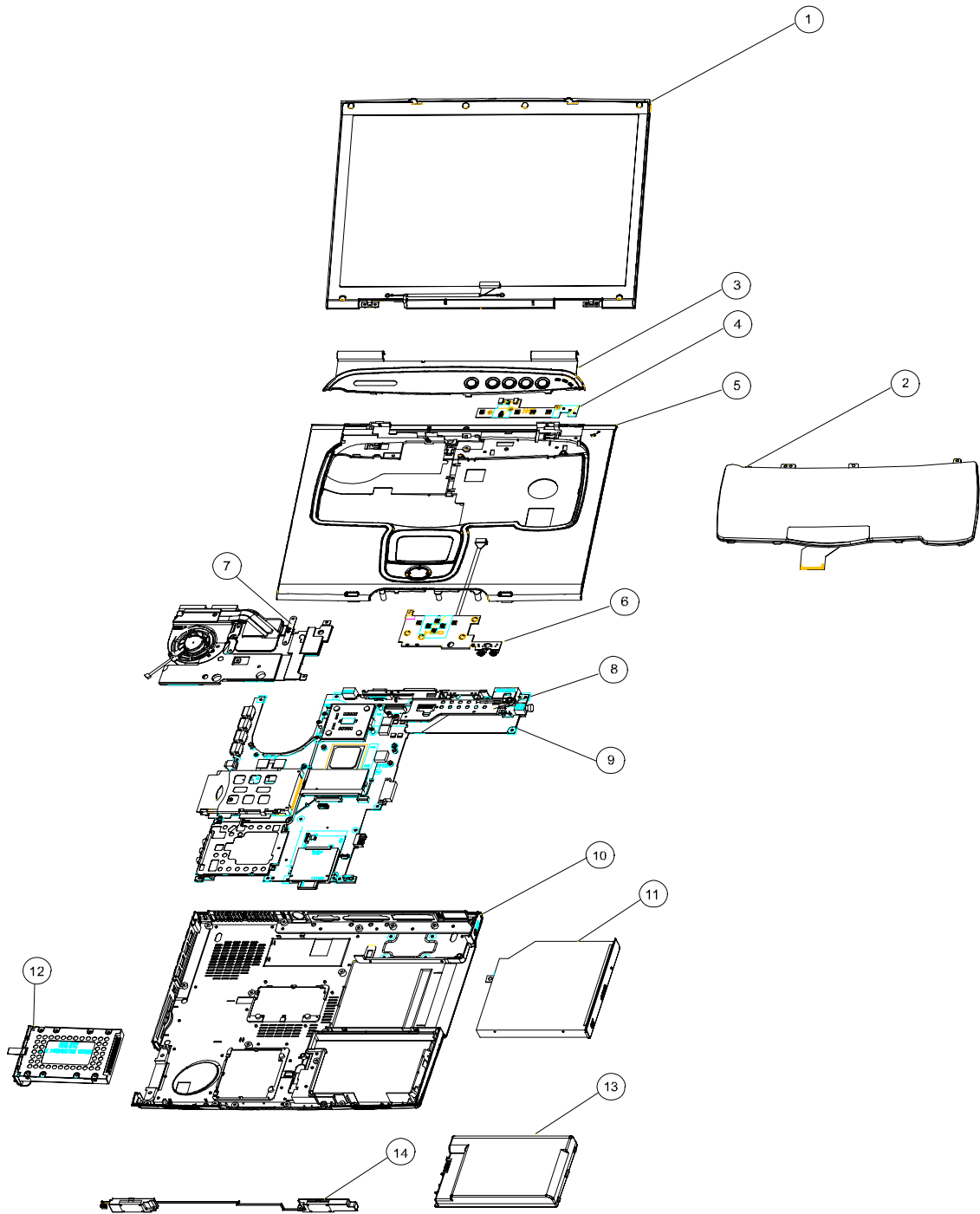
Please note that **WHEN ORDERING FRU PARTS**, you should check the most up-to-date information available on your regional web or channel. For whatever reasons a part number change is made, it will not be noted on the printed Service Guide. For **ACER AUTHORIZED SERVICE PROVIDERS**, your Acer office may have a **DIFFERENT** part number code from those given in the FRU list of this printed Service Guide. You **MUST** use the local FRU list provided by your regional Acer office to order FRU parts for repair and service of customer machines.


**NOTE:** To scrap or to return the defective parts, you should follow the local government ordinance or regulations on how to dispose it properly, or follow the rules set by your regional Acer office on how to return it.

**NOTE:** Exploded diagram is not ready as service CD released. We will update the service guide to CSD website, please download the exploded diagram from the website if you need the files

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# Exploded Diagram










Picture	No.	Partname And Description	Part Number
<b>Adapter</b>			
	NS	ADAPTER LITE- ON PA-1900-05QA 3PIN W/ LED 90W	AP.A1003.001
		ADAPTER LSE 0202C1990 3PIN W/LED 90W	AP.A1007.001
<b>Battery</b>			
	13	BATTERY SANYO LI-ION 8CELL (4UR18650F-2-QC-ZG1, 4400mAH)	BT.FR103.001
		BATTERY SIMPLO LI-ION 8CELL (LI-ION BATTERY PACK ZG14S2P, 4400mAH)	BT.FR107.001
<b>Boards</b>			
	NS	MODEM CARD (Ambit T60M283.10)	54.T29V7.001
	NS	MODEM /BLUETOOTH COMBO BOARD AMBIT T60M665.00	54.T23V7.002
	NS	WIRELESS LAN BOARD (802.11g) WNC KM8-1	54.A13V7.001
	4	LAUNCH BOARD	55.T23V7.001
	NS	TOUCH PAD BOARD W/CABLE	55.T23V7.002
<b>Cables</b>			




Picture	No.	Partname And Description	Part Number
	NS	TOUCHPAD CABLE	50.T23V7.001
	NS	MODEM CABLE	50.T23V7.002
	NS	COVER SWITCH CABLE	50.T23V7.003
	NS	POWER CORD US (3 pin)	27.A03V7.001
	NS	POWER CORD EU ( 3 Pin)	27.T23V7.002
	NS	POWER CORD PRC ( 3 Pin)	27.T23V7.003
	NS	POWER CORD UK (3 PIN)	27.A03V7.004
	NS	POWER CORD ITALIAN (3 PIN)	27.A03V7.005
	NS	POWER CORD DANISH (3 PIN)	27.A03V7.006
	NS	POWER CORD AU (3 PIN)	27.A03V7.008
<b>Case/Cover/Bracket Assembly</b>			
	3	MIDDLE COVER W/ NAME PLATE	42.FR1V7.001
	NS	DIMM DOOR W/SCREW	42.FR1V7.002
	10	LOWER CASE W/O SPEAKER	60.FR1V7.001
	5	UPPER CASE W/TOUCHPAD HOLDER	60.FR1V7.002
	8	I/O BRACKET W/MICROPHONE	33.FR1V7.001

Picture	No.	Partname And Description	Part Number
	NS	FRONT BEZEL FOR 4 IN 1 MODEL	42.T23V7.003
	NS	FRONT BEZEL FOR NON-4 IN 1 MODEL	42.T23V7.103
	NS	TOUCH PAD SHIELDING FOR TOUCH PAD BOARD	33.T23V7.001
	NS	TOUCH PAD BRACKET FOR TOUCH PAD	33.T23V7.002
	NS	WIRELESS BOARD COVER	42.FR1V7.003
<b>Communication Module</b>			
	NS	BLUETOOTH ANTENNA	50.T23V7.004
	NS	WIRELESS LAN ANTENNA Y CABLE	50.A13V7.001
	NS	WIRELESS LAN ANTENNA	50.A13V7.002
<b>CPU</b>			
	NS	AMD Athlon XP Barton 2500+(1.8GHz) 40W Low-Voltage OPGA	KC.A2502.40W
<b>HDD/ Hard Disk Drive</b>			
	12	HDD 2.5" 30G HGST MORAGA IC25N030ATMR04-0 08K0910 2.5"	KH.03007.002
		HDD 2.5" 30G TOSHIBA NEPTUNE MK3021GAS	KH.33004.001

Picture	No.	Partname And Description	Part Number
		HDD 2.5" 30G FUJITSU V-40 MHT2030AT 4.2KRPM F/W:009A	KH.03006.002
		HDD 2.5" 40G HGST MORAGA IC25N040ATMR04-0 08K0633	KH.04007.004
		HDD 2.5" 40G TOSHIBA NEPTUNE MK4025GAS F/W:KA100A	KH.04004.002
		HDD 2.5" 40G FUJITSU V40+ MHT2040AT 4.2KRPM F/W:0021	KH.04006.003
		HDD 2.5" 60G HGST MORAGA IC25N060ATMR04-0 08K0634	KH.06007.002
		HDD 2.5" 60G TOSHIBA NEPTUNE MK6021GAS	KH.36004.001
		HDD 2.5" 60G FUJITSU V40+ MHT2060AT 4.2KRPM F/W:0021	KH.06006.003
	NS	HDD COVER	42.FR1V7.005
	NS	HDD CASE	33.FR1V7.002
<b>Keyboard</b>			
	2	KEYBOARD DARFON US INTERNATIONAL ( 99.N3482.41D, 84 keys)	KB.T2307.001
		KEYBOARD DARFON SPANISH ( 99.N3482.40S, 85 keys)	KB.T2307.003
		KEYBOARD DARFON BRAZILIAN PROTUGESE ( 99.N3482.406, 85 Keys)	KB.T2307.005
		KEYBOARD DARFON UK NSK-A640U 85KEYS	KB.T2507.002
		KEYBOARD DARFON GERMAN NSK-A640G 85KEYS	KB.T2507.003
		KEYBOARD DARFON ITALIAN NSK-A640E 85KEYS	KB.T2507.004
		KEYBOARD DARFON FRENCH NSK-A640F 85KEYS	KB.T2507.006
		KEYBOARD DARFON SWISS/G NSK-A6400 85KEYS	KB.T2507.007
		KEYBOARD DARFON PORTUGUESE NSK-06 85KEYS	KB.T2507.009
		KEYBOARD DARFON ARABIC NSK-A640A 84KEYS	KB.T2507.010
		KEYBOARD DARFON BELGIUM NSK-A641A 85KEYS	KB.T2507.012
		KEYBOARD DARFON SWEDEN NSK-A640W 85KEYS	KB.T2507.013
		KEYBOARD DARFON CZECH NSK-A640C 85KEYS	KB.T2507.014
		KEYBOARD DARFON HUNGAIAN NSK-A640Q 85KEYS	KB.T2507.015

Picture	No.	Partname And Description	Part Number
		KEYBOARD DARFON NORWAY NSK-A640N 85KEYS	KB.T2507.016
		KEYBOARD DARFON DANISH NSK-A640D 85KEYS	KB.T2507.017
<b>LCD</b>			
	1	LCD MODULE 15" TFT SXGA+ HSD 150PK17 W/ANTENNA	6M.FR1V7.002
		LCD MODULE 15" TFT SXGA+ CMO IDT N150P3 W/ANTENNA	6M.FR1V7.003
	NS	LCD 15" TFT SXGA+ HSD 150PK17	LK.15007.007
		LCD 15" TFT SXGA+ CMO IDT N150P2-L04	LK.1500D.003
	NS	INVERTER BOARD W/MAYLAR E SUMIDA 53261-0590	19.T23V7.011
	NS	LCD BRACKET 15" RIGHT W/HINGE	33.T23V7.007
	NS	LCD BRACKET 15" LEFT W/HINGE	33.T23V7.008
	NS	LCD PANEL WITH LOGO-15"	60.FR1V7.003
	NS	LCD BEZEL 15"	42.FR1V7.006
	NS	LCD COAXIAL CABLE FOR 15" XGA spwg-B	50.T23V7.021

Picture	No.	Partname And Description	Part Number
<b>Main Board</b>			
	9	MAINBOARD 128MB VGA W/SMART CARD READER,PCMCIA SLOT,W/O CPU MEMORY	MB.FR106.001
	NS	PCMCIA SLOT	22.A13V7.001
<b>Memory</b>			
	NS	256MB DDR333 HYS64D32020GDL-6-B INFINEON	KN.25602.009
		256MB DDR333 NT256D64SH8BAGM-6K NANYA	KN.25603.009
		256MB DDR333 MT8VDDT3264HDG-335C3 MICRON	KN.25604.009
		256MB DDR333 M470L3224DT0-CB300 SAMSUNG	KN.2560B.005
		256MB DDR333 W30256AAEPI652A ELPIDA	KN.25609.002
		512MB DDR333 HYS64D64020GBDL-6-B INFINEON	KN.51202.007
		512MB DDR333 NT512D64S8HBAFM-6K NANYA	KN.51203.005
		512MB DDR333 EBD52UC8AARA-6B ELPIDA	KN.51209.002
<b>Optical Drive</b>			
	11	DVD DUAL MODULE 4X PIONEER DVR-K12RA	6M.FR1V7.001
	NS	DVD DUAL 4X PIONEER DVR-K12RA	KU.00405.005
	NS	DVD DUAL BEZEL FOR PIONEER	42.FR1V7.004
	NS	OPTICAL DEVICE BRACKET	33.A13V7.002
<b>Pointing Device</b>			
	NS	TOUCHPAD	56.FR1V7.001

Picture	No.	Partname And Description	Part Number
<b>Speaker</b>			
	14	SPEAKER SET	6K.T23V7.002
<b>Heatsink</b>			
	7	HEATSINK W/FAN	6K.T23V7.003
	NS	VGA HEATSINK	34.A13V7.001
	NS	VGA MEMORY HEATSINK	34.A13V7.002
<b>Reader</b>			
	NS	4 IN 1 READER	6K.T29V7.001
<b>Microphone</b>			
	NS	MICROPHONE	23.T23V7.001
<b>Others</b>			
	NS	LCD LATCH W/O SPRING	6K.FR1V7.001
	NS	LCD SCREW RUBBER UPPER	47.FR1V7.001
	NS	LCD SCREW RUBBER LOWER	47.FR1V7.002
<b>Screws</b>			
	NS	NUT-I/O	86.T23V7.001
	NS	SCREW M1.6X4.0-I-NI-NYLOK	86.T23V7.002
	NS	SCREW M2.0X2.5-I-NI-NYLOK	86.A03V7.007
	NS	SCREW M2.0X3.0-I-NI-NYLOK	86.A03V7.012
	NS	SCREW M2.0X3.5-I-NI-NYLOK	86.T23V7.005
	NS	SCREW M2.0X5-I-NI-NYLOK	86.T23V7.006
	NS	SCREW M2.5X3-I-NI-NYLOK	86.A03V7.010
	NS	SCREW M2.5X4.0-B-NI-NYLOK	86.T23V7.008
	NS	SCREW M2.5X4-I-NYLOK	86.T23V7.009
	NS	SCREW M2.5X5.0-I-NI-NYLOK	86.T23V7.010
	NS	SCREW M2.5X5.5-P-NI-NYLOK	86.T23V7.011
	NS	SCREW M2.5X0.45+7I-NYLOK	86.T23V7.012
	NS	SCREW M1.7X3.5-I-BZN	86.A03V7.009
	NS	SCREW M2X3-I-BNI-NYLOK	86.T23V7.014
	NS	SCREW M2.0X5.0-I-BNI-NYLOK	86.T23V7.015
	NS	SCREW M2.0X6.0-I-NI-NYLOK	86.T23V7.017
	NS	SCREW M2.5X2-I-NI-NYLOK	86.T23V7.018
	NS	SCREW M2.5X4-I-BNI	86.T23V7.019