



Ferrari North America

Technical Information

Date:	March 2017
Bulletin #:	2404
Campaign #:	
Supersedes:	
Section:	10

Subject: Updated Contents with reference to TI 2403

Please find attached the tables amended by the most recent Technical Documentation update (ModisCS and Pen-Drive) released on February 15th, 2017.

- IMPORTANT -

Please read the contents of these updates carefully to help ensure that all vehicle repair procedures are performed correctly to avoid time wastage and ensure rapid problem resolution.

Please note that any repair / replacement work not compliant with the procedures described in the paragraphs listed below will result in rejection of the warranty claim and, as a result, the relative costs incurred will not be reimbursed.

Thank you for your co-operation.



Ferrari North America

- LaFerrari Aperta:

04.02 _ Plates and labels

- Added procedure Plates and labels.

05.02 _ Dimensions and weight

- Added procedure Dimensions and weight.

B2.03 _ Engine overhaul - Disassembly

- Added procedure Removing timing system chains
- Added procedure Removing camshafts
- Added procedure Removing cylinder heads
- Added procedure Removing lower crankcase shell
- Added procedure Removing crankshaft
- Added procedure Removing and disassembling pistons-connecting rods.

B2.04 _ Engine overhaul - Checks

- Added main data for CYLINDER SLEEVES
- Added procedure Checking crankshaft dimensions and selecting half-bearings
- Added procedure Visual inspection of piston wear.

B2.05 _ Engine overhaul - Reassembly

- Added procedure Reassembling and refitting pistons-connecting rods
- Added procedure Refitting crankshaft
- Added procedure Refitting lower crankcase shell
- Added procedure Refitting cylinder heads
- Added procedure Refitting camshafts
- Added procedure Refitting timing system chains



Ferrari North America

- Added procedure Setting engine timing.

E5.10 _ Release mechanisms and systems for lids, fuel filler flap and battery charger socket cover

- Updated procedure Opening engine compartment lid
- Updated procedure Closing engine compartment lid
- Updated procedure Opening luggage compartment lid
- Updated procedure Opening luggage compartment lid in an emergency
- Updated procedure Closing luggage compartment lid.

F5.02 _ AC system control panel

- Added procedure AC SYSTEM CONTROLS.

04.02 _ Plates and labels

- GTC4Lusso:

- Added procedure Plates and labels
- Added procedure Plates and labels.

05.02 _ Dimensions and weight

- Added procedure Dimensions and weight.

B2.01 _ Operations

- Updated procedure for removing complete engine.

B2.02 _ Operations

- Updated procedure for refitting complete engine.

B4.04 _ Engine air intake system

- Added procedure for removing and refitting engine air intake manifold.



B5.05 _ Engine lubrication system

- Added procedure for REMOVING and REFITTING ENGINE OIL TANK.

B7.02 _ Exhaust manifolds

- Added procedure for EXHAUST MANIFOLD DISASSEMBLY and REASSEMBLY.

B7.04 _ Exhaust extensions

- Added procedure for removing and refitting rear exhaust extensions.

D3.06 _ EPB parking brake

- Added procedure for removing and refitting EPB electric park brake shoes
- Added procedure for EPB electric parking brake Bowden cables.

D5.05 _ Power steering fluid coil

- Added procedure for removing and refitting power steering fluid coil.

D5.07 _ Steering column

- Added procedure for removing and refitting steering column.

E5.03 _ TFT display messages and notifications and warning lamps

- Added procedure for indicator lamps.

E5.05 _ Switches and buttons

- Added procedure Replacing external rear view mirror adjustment control.

E5.13 _ Infotainment system

- Added overview of infotainment system components.

F2.05 _ Starter motor

- Added procedure for removing and refitting starter motor.



F2.10 _ ECUs

- Added procedure Replacing USB ECU.

F2.13 _ Engine services cable

- Added procedure for removing and refitting engine services cable.

F4.03 _ Seat belts

- Added procedure Fastening seat belts
- Added procedure Releasing seat belts
- Added procedure Pretensioners
- Added procedure Care of seat belts and pretensioners
- Added procedure Safety devices
- Added procedure Diagnosing seat belt extender faults
- Added procedure Replacing front seat belts
- Added procedure Replacing front seat belt extenders
- Added procedure Replacing rear seat belts.

F5.07 _ Complete A.C. unit

- Added procedure for removing and refitting complete air conditioning unit.

F5.10 _ AC system sensors

- Added procedure for REPLACING PASSENGER COMPARTMENT TEMPERATURE SENSOR.



Ferrari North America

- California T:	D4.04 _ Shock absorbers - Updated procedure for adjusting shock absorber length.
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- F12tdf:	A3.36 _ Checking engine valve clearance - Added procedure checking engine valve clearance - Added procedure adjusting engine valve clearance. B5.03 _ Engine oil pump - Added procedure removing engine oil pump - Added procedure refitting engine oil pump.
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- LaFerrari:	B2.03 _ Engine overhaul - Disassembly - Added procedure Removing timing system chains - Added procedure Removing camshafts - Added procedure Removing cylinder heads - Added procedure Removing lower crankcase shell - Added procedure Removing crankshaft - Added procedure Removing and disassembling pistons-connecting rods. B2.04 _ Engine overhaul - Checks - Added Main data for cylinder sleeves - Added procedure Checking crankshaft dimensions and selecting half-bearings - Added procedure Visual inspection of piston wear.
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Ferrari North America

B2.05 _ Engine overhaul - Reassembly

- Added procedure Reassembling and refitting pistons-connecting rods
- Added procedure Refitting crankshaft
- Added procedure Refitting lower crankcase shell
- Added procedure Refitting cylinder heads
- Added procedure Refitting camshafts
- Added procedure Refitting timing system chains
- Added procedure Setting engine timing.



Ferrari North America

Spare Parts Catalog

This update includes all changes to the Spare Parts Catalogue concerning the models included in the Technical Documentation, up to **January 16th, 2017**.

Some of the most significant updates are indicated below:

- LaFerrari Aperta:

Tab.2

- Updated table

Tab.41

- Updated temperature sensor

Tab.44

- Updated repair kit refill bottle

Tab.128

- Added wiring harness mounting bracket

- GTC4Lusso:

Tab.13

- Updated air filter

Tab.14

- Updated rear oxygen sensor

Tab.19

- Updated table

Tab.20

- Added fastener

Tab.24

- Updated compl. parking lock release mechanism.



Ferrari North America

Tab.31

- Updated fastener

Tab.32

- Updated compl. steering wheel

Tab.33

- Updated table

Tab.34

- Updated cable guide ring

Tab.38

- Updated table

Tab.46

- Updated passenger compartment trolley case kit in leather

Tab.105

- Updated LH front fender trellis

Tab.106

- Updated complete front flat undertray-bumper connection

Tab.108

- Updated table

Tab.114

- Updated compl. LH seat button panel

Tab.115

- Updated compl. RH door opener handle

Tab.117

- Added fasteners



Ferrari North America

Tab.119

- Update compl. internal rear view mirror

Tab.120

- Updated table

Tab.122

- Updated table

Tab.123

- Updated table

Tab.124

- Updated table

Tab.125

- Updated table

Tab.127

- Updated table

Tab.128

- Added fastener

Tab.129

- Updated table

Tab.131

- Updated table

Tab.132

- Updated lined bracket



Ferrari North America

Tab.134

- Updated table

Tab.136

- Updated table

- F12tdf:

Tab.2

- Updated table

Tab.8

- Updated fastener

Tab.12

- Added rubber cable grommet

Tab.42

- Updated temperature sensor

Tab.45

- Updated luggage compartment trolley case-rucksack kit

Tab.105

- Updated table

Tab.108

- Updated table

Tab.110

- Updated fastener

Tab.118

- Updated active aero shaft control lever



Ferrari North America

Tab.123

- Updated fastener

Tab.124

- Added adhesive foam

Tab.129

- Updated table

Tab.130

- Updated lined bracket

Tab.134

- Updated inode ECU

- 488 Spider:

Tab.1

- Updated table

Tab.3

- Updated table

Tab.4

- Updated table

Tab.7

- Updated table

Tab.10

- Added clip

Tab.15

- Added gasket



Ferrari North America

Tab.16

- Updated fastener

Tab.37

- Updated table

Tab.39

- Updated table

Tab.106

- Added fastener

Tab.107

- Updated riser bracket connection

Tab.109

- Added upper pillar block

Tab.114

- Added adhesive cap

Tab.120

- Updated table

Tab.122

- Updated LH racing seat complete with guide rails

Tab.123

- Updated table

Tab.124

- Updated table



Ferrari North America

Tab.130

- Added type A plate for pin

Tab.135

- Updated table

Tab.137

- Updated table

Tab.138

- Updated 8 channel base audio amplifier

- 488 GTB:**Tab.1**

- Updated table

Tab.3

- Updated table

Tab.4

- Updated table

Tab.7

- Updated table

Tab.10

- Added clip

Tab.15

- Added gasket



Ferrari North America

Tab.16

- Updated fastener

Tab.37

- Updated front shock absorber spring

Tab.39

- Updated table

Tab.105

- Updated rear underbody shield

Tab.106

- Added fastener

Tab.107

- Added details

Tab.109

- Added gasket

Tab.119

- Updated table

Tab.122

- Updated table

Tab.123

- Updated table

Tab.129

- Added type A plate for pin



Ferrari North America

Tab.134

- Updated table

Tab.136

- Updated table

Tab.137

- Updated 8 channel base audio amplifier

- 458 Speciale A:

Tab.1

- Added pump drive link

Tab.36

- Added gaiter replacement kit

Tab.113

- Updated clip

Tab.122

- Updated temperature sensor

- 458 Speciale:

Tab.1

- Added pump drive link

Tab.36

- Added gaiter replacement kit

Tab.121

- Updated temperature sensor



Ferrari North America

- 458 Spider:

Tab.1

- Added pump drive link

Tab.124

- Updated temperature sensor

- 458 Italia:

Tab.1

- Added pump drive link

Tab.49

- Updated complete tire repair kit

Tab.123

- Updated temperature sensor

Tab.130

- Updated rear cable

- California T:

Tab.1

- Updated table

Tab.3

- Updated table

Tab.4

- Updated table

Tab.5

- Updated table



Ferrari North America

Tab.9

- Updated table

Tab.10

- Updated table

Tab.18

- Updated air filter

Tab.24

- Updated O-ring

Tab.32

- Updated transmission shaft

Tab.40

- Updated compl. F1 control set

Tab.44

- Updated table

Tab.45

- Updated table

Tab.50

- Updated air conditioning compressor

Tab.51

- Updated table

Tab.116

- Added light



Ferrari North America

Tab.127

- Updated table

Tab.128

- Updated table

Tab.135

- Added engine ground braid - chassis ground braid

Tab.136

- Added cable fastener brackets

Tab.138

- Updated inode ECU

Tab.142

- Updated table

- LaFerrari:

Tab.2

- Updated table

Tab.41

- Updated temperature sensor

Tab.128

- Added wiring harness mounting bracket



Ferrari North America

- F12berlinetta:

Tab.1

- Updated table

Tab.2

- Updated table

Tab.36

- Updated adjuster spacer

Tab.39

- Updated tires

Tab.45

- Updated temperature sensor

Tab.105

- Updated table

Tab.108

- Updated table

Tab.124

- Updated table

Tab.125

- Updated table

Tab.126

- Updated compl. door hinge

Tab.131

- Added fastener



Ferrari North America

Tab.132

- Updated lvds nit vp4 cable

Tab.133

- Updated lined bracket

- FF:

Tab.6

- Updated fastener

Tab.13

- Updated air filter

Tab.19

- Added metal water recirculation connector pipe

Tab.24

- Updated compl. parking lock release mechanism

Tab.40

- Updated table

Tab.44

- Updated table

Tab.105

- Updated table

Tab.108

- Updated compl. LH exterior hatch bracket



Ferrari North America

Tab.120

- Added brackets

Tab.125

- Added details

Tab.137

- Updated USB ECU fastener bracket

- California:

Tab.14

- Updated table

Tab.48

- Updated table

Tab.143

- Updated temperature sensor

Tab.154

- Updated navigator head unit

- 599 GTB Fiorano:

Tab.41

- Modified description

Tab.112

- Modified description



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- 599 GTO:	Tab.37 - Updated wheel hub cap
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- SA APERTA:	Tab.37 - Updated wheel hub cap
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S.T. Schedule

The S.T. Schedule has been updated in consideration of the changes to the Spare Parts Catalog.

Electrical System

- | | |
|----------------------|--|
| - GTC4Lusso: | - Amended content of Electrical System Section |
| - 488 GTB: | - Amended content of Electrical System Section |
| - 488 Spider: | - Amended content of Electrical System Section |