SERVICE BULLETIN

Bulletin Type.....: C

Bulletin No.....: TS-C116

Bulletin Name.....: Alignment Specifications of TS45

Bulletin Ref No.....: 700002915

NHTSA.....:

Release Date.....:

Expiry Date.....:

Vehicle Model.....: TS 45

Fiat Rate Code.....: TSC116

Flat Rate Time.....:

Subject: Alignment Specifications of TS45

Summary : This bulletin defines alignment specifications of the TS45 vehicle.

Bulletin Responsible: Mert SALMAN

Published by&Approved by: Mert SALMAN

Welding on the Chassis

• Always disconnect the batteries (starting with the negative lead).

• Disconnect the connectors of electrical and electronic equipment (electronic control units, sensors and actuators) if they are less than 2 meters away from the chassis part to be welded or the earth terminal of the welding equipment.

• The earth terminal should never be attached to vehicle components such as engine, axles and springs. Arcing on these
parts is not permitted, because of the risk of damage to bearings, springs, etc.

• The earth terminal must make good contact and be placed as close as possible to the part to be welded.

• Plastic pipes, rubber parts and parabolic springs should be well protected against welding spatter and temperatures
higher than 70°.

SERVICE BULLETIN

Service bulletin expiry dates differ according to service bulletin type.

Definitions

Release Date: As of this date the bulletin is released and available on E-Doc. Modification parts can be ordered. The time period between the release date and the effective date may vary according to the procurement lead time.

Effective Date: As of this date specified amount of the total modification parts will be available on Spare Parts Stock. Modification parts can be ordered and the application can be performed. (except non-compliance and safety related campaigns, i.e. S-Type Bulletin)

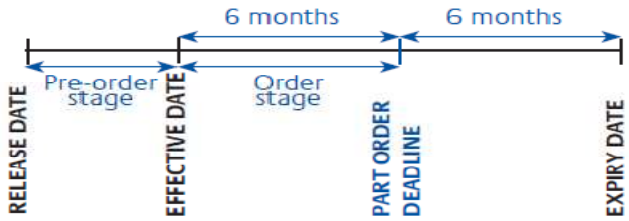
Part Order Deadline: Last order date for modification parts. The part orders which will be placed after this date should be approved by Regional Coordinator.

Expiry Date: Expiration date for the application.

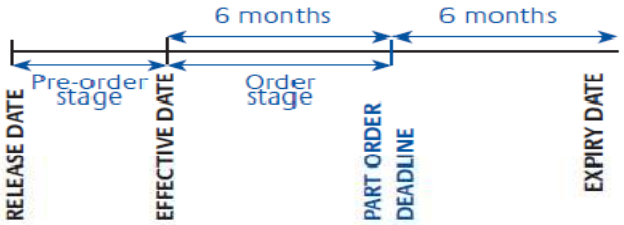
Bulletin Types

• **S- Type:** Application period of this bulletin is 18 months after the date of issue. S type bulletin is used for Recall Campaigns.

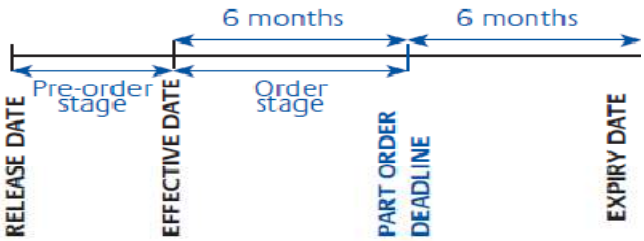
U-Type : Application period of this bulletin is 12 months after the date of issue.U type bulletin is used for updates that need to be performed upon customer complaints.



• **C-Type:** Application period of this bulletin is 12 months after the date of issue. C type bulletin is generally used for supplying technical instructions or other type of information to service network.



• **M-Type:** Application period of this bulletin is 12 months after the date of issue. M type bulletin is used for updates that should be implemented without waiting for customer complaints.



GENERAL PRECAUTIONS

1. Suggested Dress Code:

WARNING
Dress correctly to avoid injury and damage to the vehicle.

2. Before Starting the Work:

Always wear protective clothing. Do not wear any damaged or loose-fitting clothing and remove jewelry before starting the work. In case of long hair use hairnet.
The illustration above shows some of the correct and incorrect clothing that should be worn during work. Sharp edges should be avoided e.g belts, watches, necklaces etc.

3. Interior materials protection:

Seats, trimming, upholstery stuff and carpeting should be protected with appropriate coverings.

Application:

Please use following alignment specifications, when you need to have your vehicle aligned.

ALIGNMENT SPECIFICATIONS

TS45	Left			Total			Right		
	Nominal	Tolerance		Nominal	Tolerance		Nominal	Tolerance	
Front Axle									
King Pin Angle (degrees)	8	±	0,5				8	±	0,5
Camber (degrees)	0	±	0,5				0	±	0,5
Caster (degrees)	2,5	±	0				2,5	±	0
Individual Toe (in) in	0,019	±	0				0,019	±	0
Total Toe (in) in				0,039	±	0			
Tag Axle									
King Pin Angle (degrees)	8	±	40'				8	±	40'
Camber (degrees)	0	±	40'				0	±	40'
Caster (degrees)	3,5	±	10'				3,5	±	10'
Individual Toe (in) in	0,019	±	0				0,019	±	0
Total Toe (in) in				0,039	±	0			