

TECHNICAL BULLETIN

Document: TB_T318_004

Date: 09/04/2019

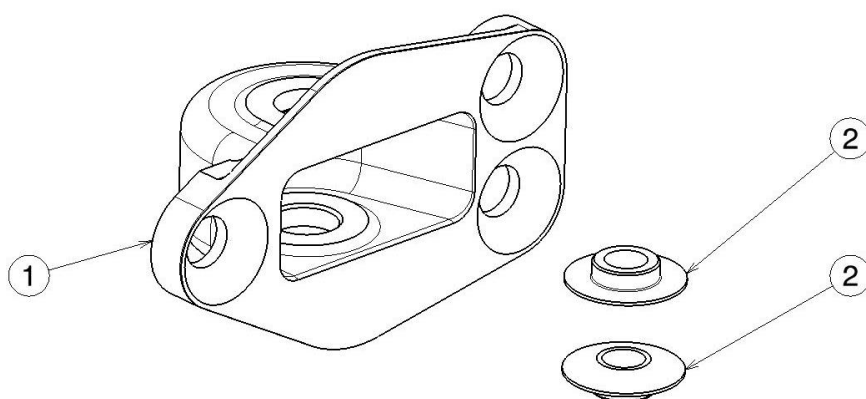
Subject: Front suspension bracket

Reference:	Table	Item	Code
	10C	4	24 10 031

Accomplishment: R1/2019

Tatuus is providing a replacement for the front bottom suspension brackets 24 10 031.
The new item engraved with pn. 24 10 043 (or 24 10 044) must replace the existing pn. 24 10 016.

Part will be supplied as replacement for old items before Race #1 event.



We remind you that the tightening torque of the fixing bolts (UNI5933-M8x20) must be set at 35Nm:

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Document: TB_T318_005

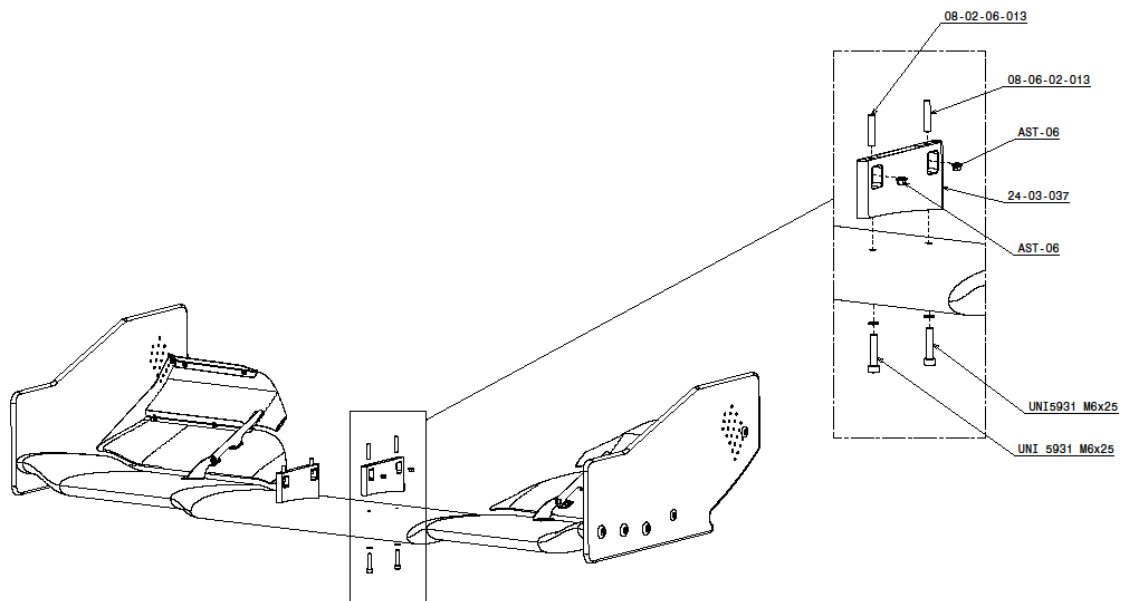
Date: 09/04/2019

Subject: Front wing hangers

Reference:	Table	Item	Code
	03A	5/6	24 03 009/010
	03A	5	24 03 037

Accomplishment: R1/2019

Tatuus is providing a replacement for the front wing hangers.
The new item (24 03 037) must replace the existing pn. 24 03 009 and 24 03 010.



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Document: TB_T318_006

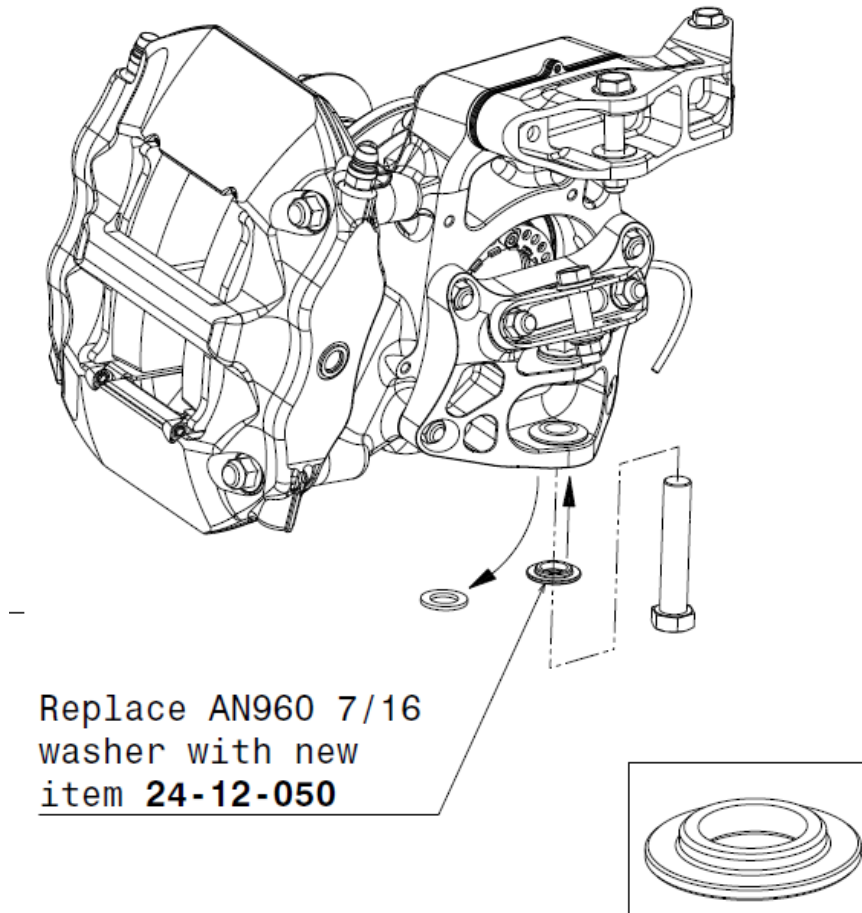
Date: 29/05/2019

Subject: Front upright lower arm bracket bush

Reference:	Table	Item	Code
	12A	37	AN960716

Accomplishment: 31/05/2019

Tatuus is providing a replacement for the AN960 7/16 washer.
The new item (24 12 050) must replace the existing washer.



TECHNICAL BULLETIN

Document: TB_T318_011

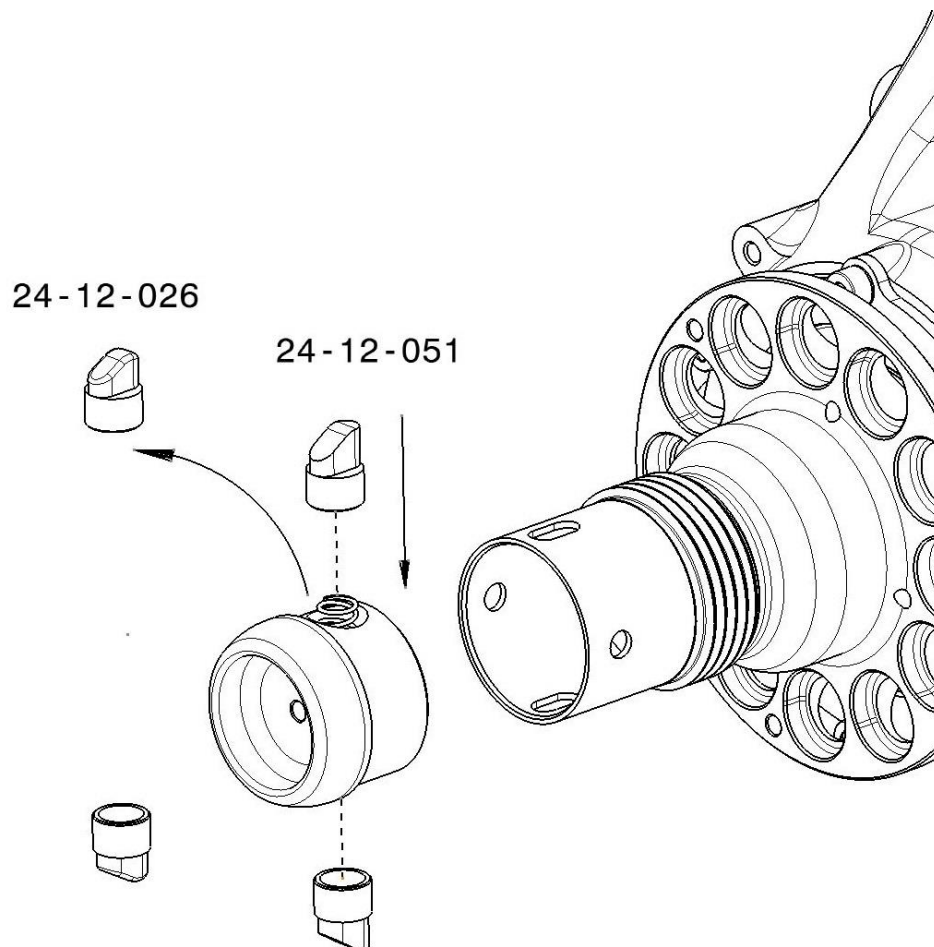
Date: 10/07/2019

Subject: Wheel retaining locking pin

Reference:	Table	Item	Code
	12A	7	24 12 026
	16A	2	24 12 026

Accomplishment: 11/07/2019

Tatuus is providing a replacement for the 24 12 026 wheel retaining locking pin. The new item (24 12 051) must replace the existing spec.



TECHNICAL BULLETIN

Document: TB_T318_014_FRegional
Date: 07/08/2019
Subject: LH threaded Hub and Wheel Nut

Reference:	Table	Item	Code
	12B	3	24 12 008
	12A	10	24 12 025
	16C	3	24 16 008
	16A	1	24 12 025
	12A	5	24 12 028
	16B	1	24 12 028

Accomplishment: 29/08/2019

Tatuus will supply a replacement for the Right-Hand Threaded Hubs and Wheel Nuts installed on the RIGHT side of the T318 chassis.

The new hub installed on the right side of the car (Front: 24 12 004 / Rear: 24 16 004).

The new Wheel Left Threaded Nut (24 12 28) will replace the existing one (24 12 027) installed on the right corners.

Installation	Description	Q.ty	OLD SPEC (to be returned)	NEW SPEC (supplied by Tatuus)
Front RIGHT corner	Front Hub	1	24 12 008	24 12 052
Rear RIGHT corner	Rear Hub	1	24 16 008	24 16 052
Right side of the car	Wheel Nut	2	24 12 027	24 12 028
All corners	Wheel Retaining plug	4	24 12 025	24 12 025 (updated)

Teams are invited to return two old spec hub and wheel nuts for each car together with the four Wheel Retaining plug (24 12 025).

Tatuus is available to service the complete upright in its workshop on the following dates:

Formula Regional Europe: August 26, 27, 28.

TECHNICAL BULLETIN

Document: TB_T318_015_FARB_Blade

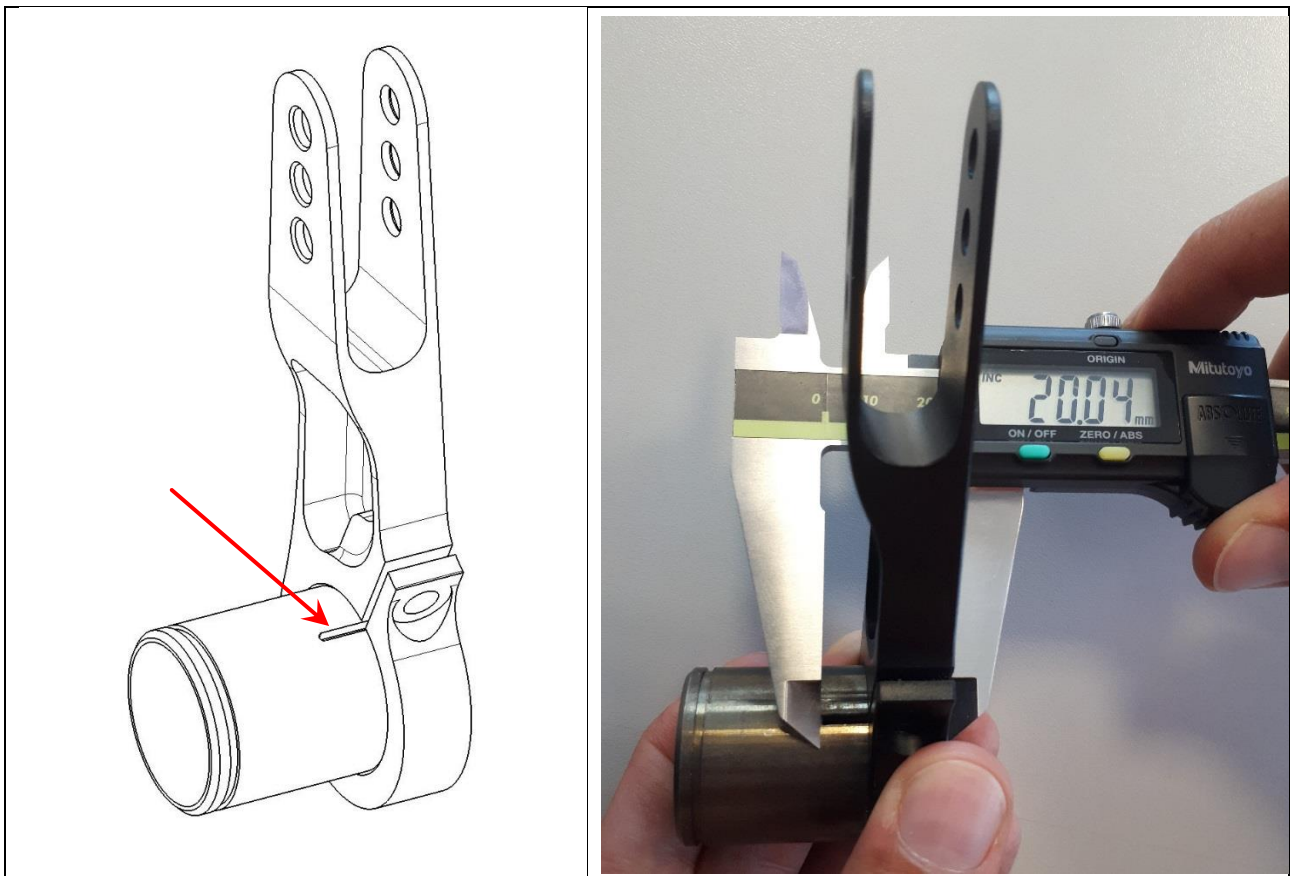
Date: 26/08/2019

Subject: Front anti rollbar blade modification

Reference:	Table	Item	Code
	11C	1	24 11 002
	11C	2	24 11 003

Accomplishment: 29/08/2019

Teams are invited to check the length of the cut on the front anti rollbar blade.



The length should be 20mm (+/-1mm) from the side end of the blade.
If it is less than 20mm, teams are allowed to modify the cut to bring it to the correct dimension.

Tatuus is available to service the modification in its workshop.

TECHNICAL BULLETIN

Document: TB_T318_016_DIFF_BELLEVILLE

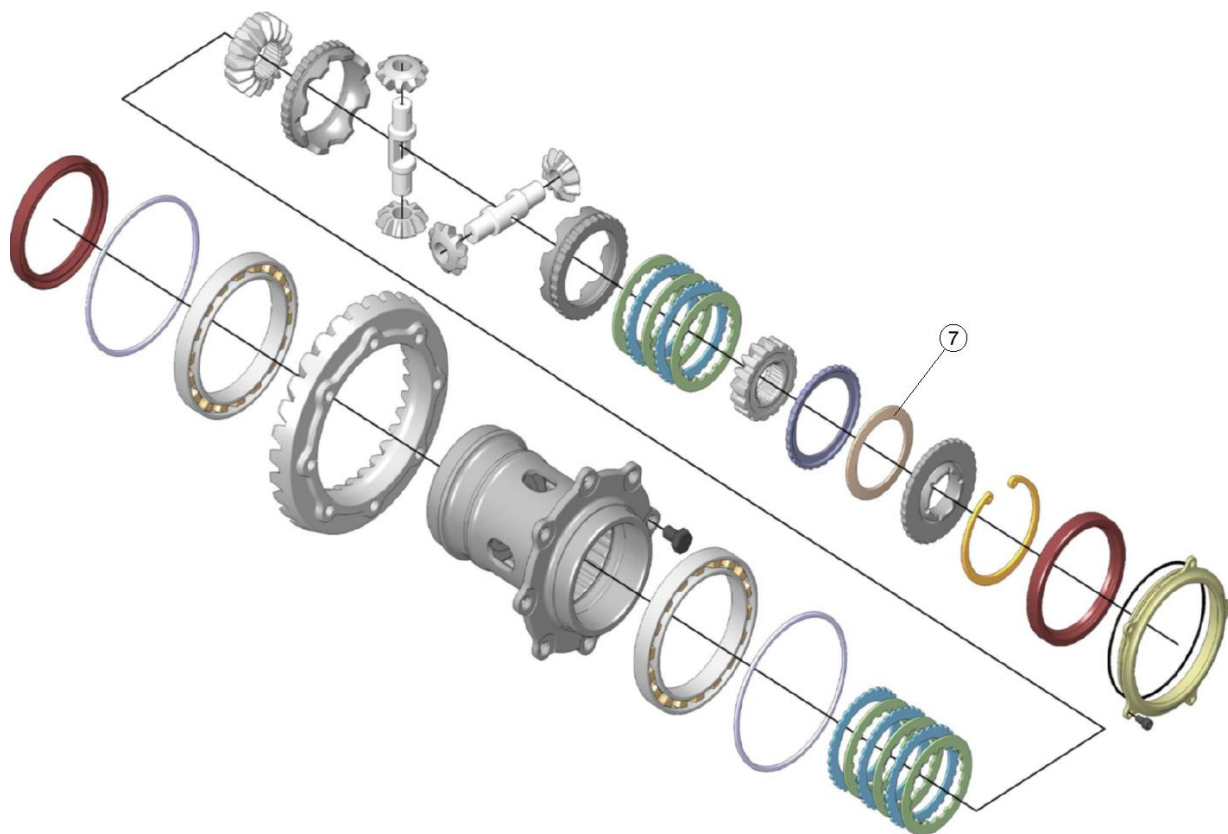
Date: 03/09/2019

Subject: Belleville for differential preload setup

Reference:	Table	Item	Code
	30H	7	F1910313

Accomplishment: Immediate

A list of allowed alternatives for the differential Belleville washer is authorized.



For the item 7 in the picture above it is allowed the alternative use of the parts listed below

Part number	Description
F1910313	Belleville 0.8 mm
F1910314	Belleville 1.0 mm
F9046326	Belleville 1.2 mm

TECHNICAL BULLETIN

Document: TB_T318_017_Oil_swirl_upgrade

Date: 03/09/2019

Subject: Oil swirl upgrade

Reference:	Table	Item	Code
	42A-ENGINE LUBRICATION A.R	3	21 16 20 001
	42A-ENGINE LUBRICATION RENAULT	4	21 16 20 001

Accomplishment: Immediate

Teams are allowed to apply two rivets in order to strengthen the bonding between the swirl pot parts. Please refer to the figure below, the relevant rivets are shown.

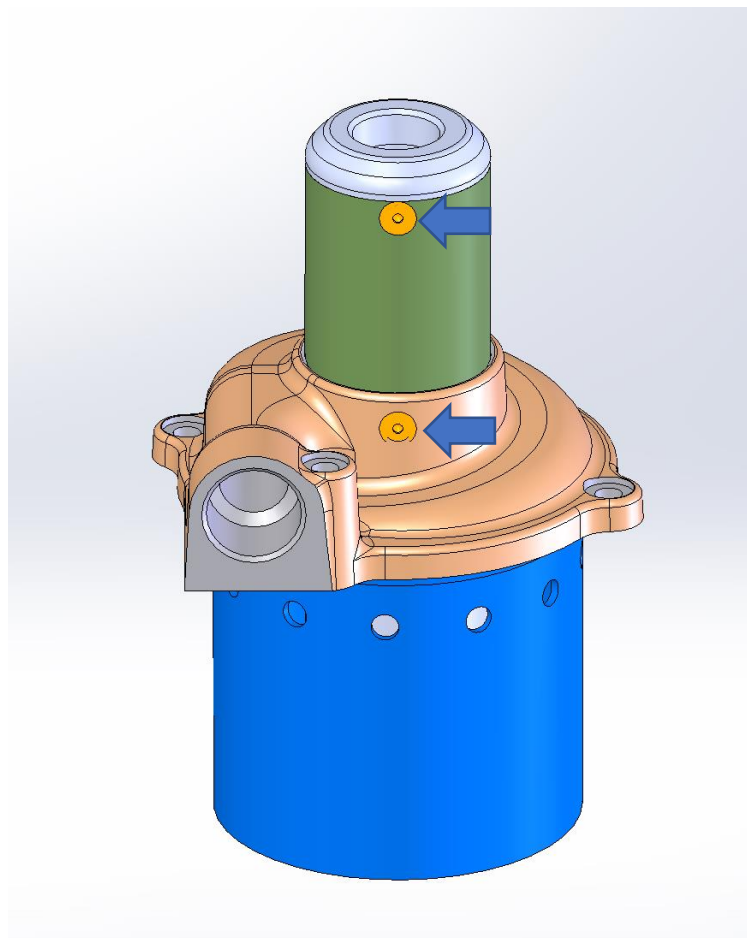


Figure 1

Necessary parts:

- rivets: blind, 120° countersunk head, sleeve \varnothing 4.0 mm, shank 11.0 mm. Sleeve material Aluminium
- glue: 3M DP 460.

Procedure:

In order to apply the rivets, the oil swirl pot assembly must be drilled. Please find in the drawings below dimensions in order to place the rivets in the correct position.

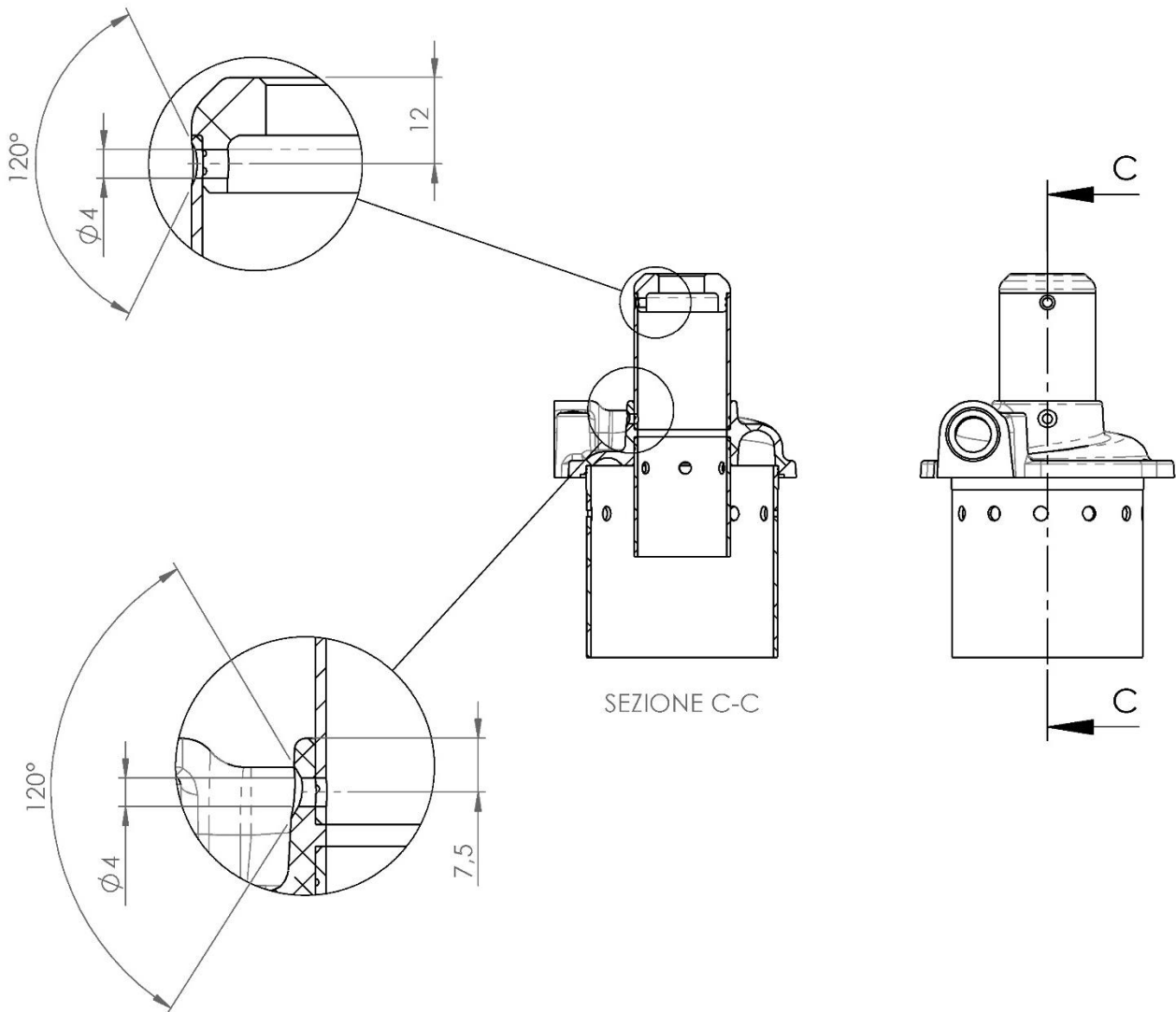
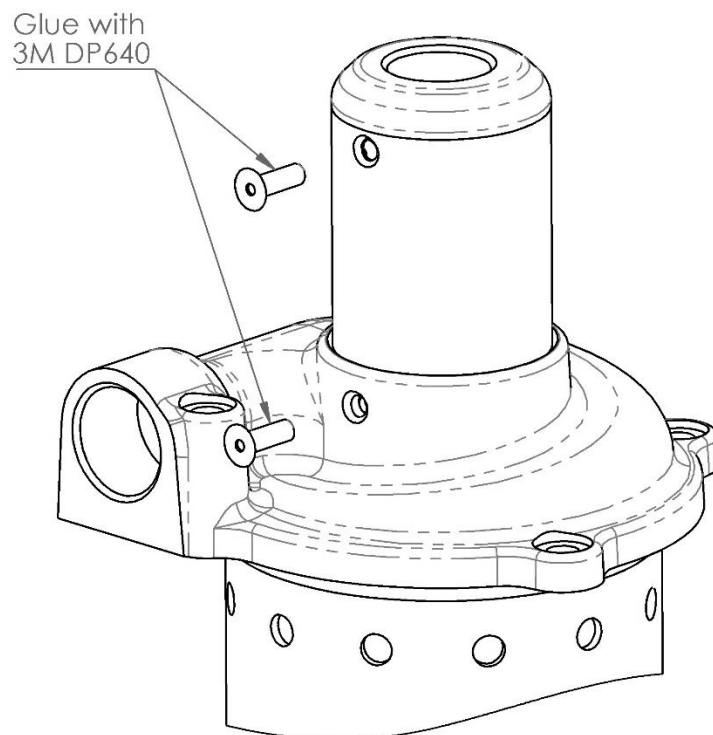


Figure 2: position of the countersunk holes on the oil swirl pot assy for blind rivet nut application

Please pay attention to the depth of the countersink. It should be deep enough to assure that the head of the rivet is tangent to the surface. Please refer to the picture below



Please find below exploded view of the resulting assembly



In order to properly seal the rivet, it is recommended to apply DP460 glue onto the rivet surface and tip before installing it.

TECHNICAL BULLETIN

Document: TB_TW18_018
Date: 16/09/2019
Subject: Diffuser cut-out for Pirelli tires

Reference:	Table	Item	Code
	02C	18	2402017 → 2402083

Accomplishment: Immediate (Compulsory by Barcelona 2019 WSK race meeting).

Due to tires rubbing on the diffuser noted after Imola 2019 WSK races, for all the Championships using Pirelli tires the diffuser's tires cut-out will be modified into a deeper one.

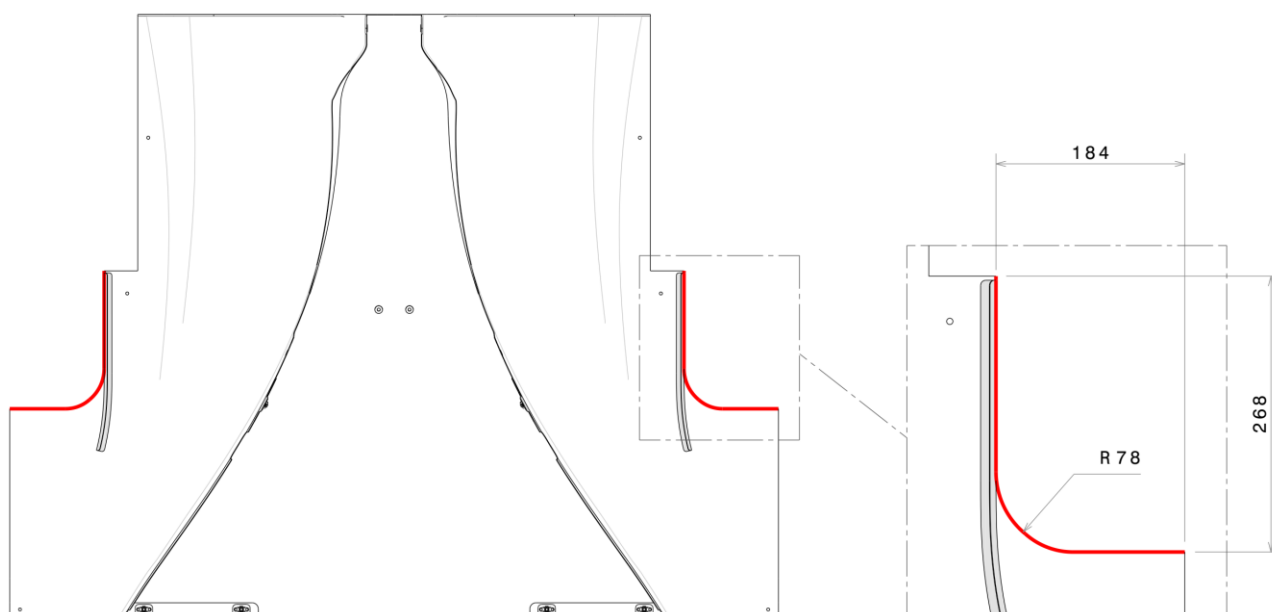
Teams have to update their cutting profile using the jig (code: 2493069) that will be available at the Tatuus' and Championship Organizer's truck.

The use of *Elan-tech® ADH 891.892* Epoxy adhesive (black) to seal the cutting profile is suggested.

The diffuser for Pirelli tires can be ordered with the code:

- 2402083 Diffuser (for Pirelli Tires)

Tatuus reminds that is team own responsibility to check the legality of all the parts of the car before the race.



TECHNICAL BULLETIN

Document: TB_TW18_019
Date: 26/09/2019
Subject: Brake disc minimum thickness

Reference:	Table	Item	Code
		5	XB21521
	12C	6	XB21531

Accomplishment: Immediate.

For the brake discs with p/n XB21521 and XB21531, the minimum thickness allowed is **24.5 mm**

TECHNICAL INFORMATION

Document: TI_T318_009_SmartyCam_updates

Date: 12/06/2019

Subject: AiM Tech S.r.l SmartyCam GP HD 2.2 Updates

Reference:	Table	Item	Code
	26D	07	2426006

Accomplishment:

AiM Tech Srl has released some updates for SmartyCam GP HD 2.2. Updates solve tech problem linked, especially, with video recording interruptions, camera freezing and data saving in limit condition.

It is strongly suggest updating to 01.04.16 version using Race Studio 3.

Please find here the updating instructions and detail about the updated functions:

https://www.aim-sportline.com/download/firmware/rel_histories/SmartyCam_FirmwareUpdate_101_eng.pdf

https://www.aim-sportline.com/download/firmware/rel_histories/SmartyCam_HD_release_history.pdf

Technical Support is provided to support@aim-sportline.com

TECHNICAL INFORMATION

Document: TI_T318_010

Date: 25/06/2019

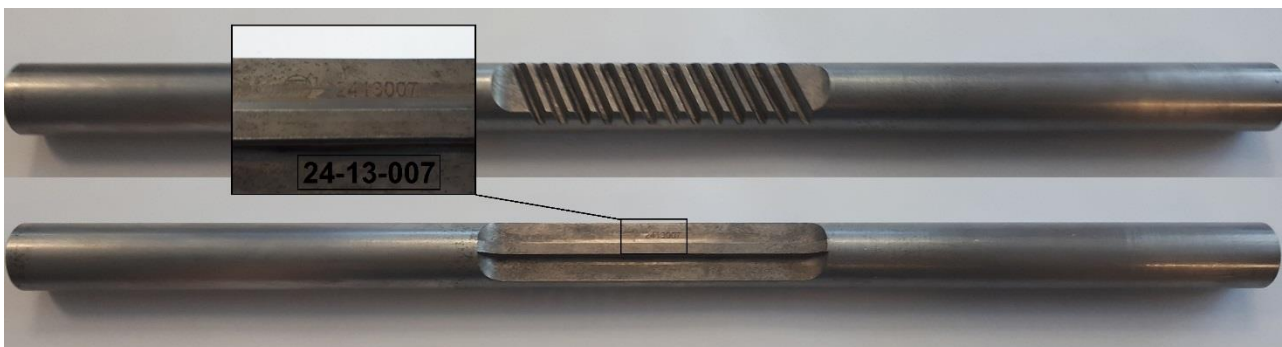
Subject: Steering rack and pinion

Reference:	Table	Item	Code
	13B	1	2413007
	13B	6	090909019

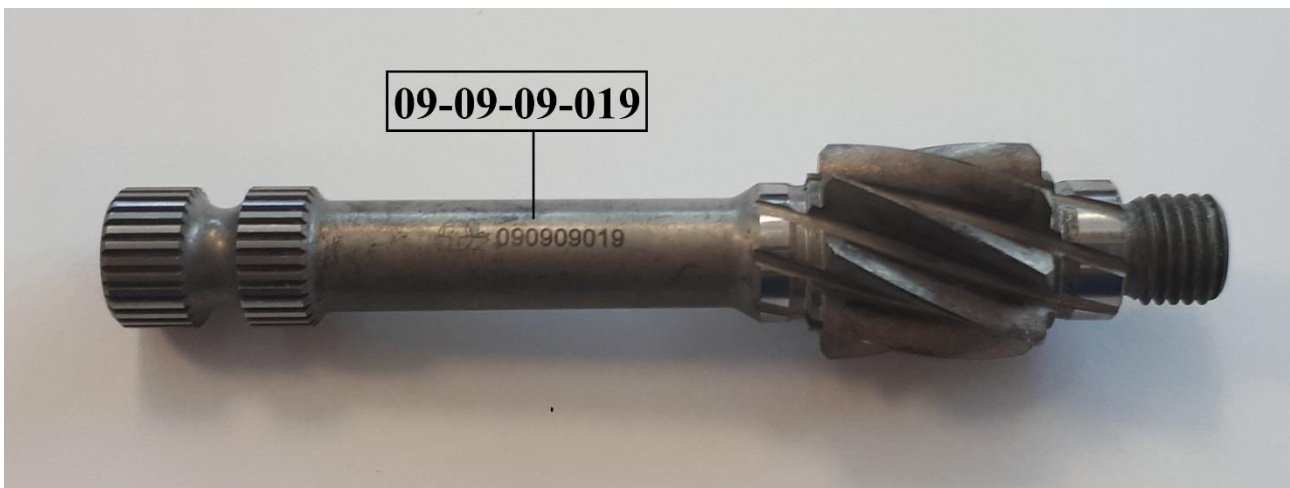
Accomplishment: immediate

The following components had a laser marking variant:

- 24-13-007: standard steering rack

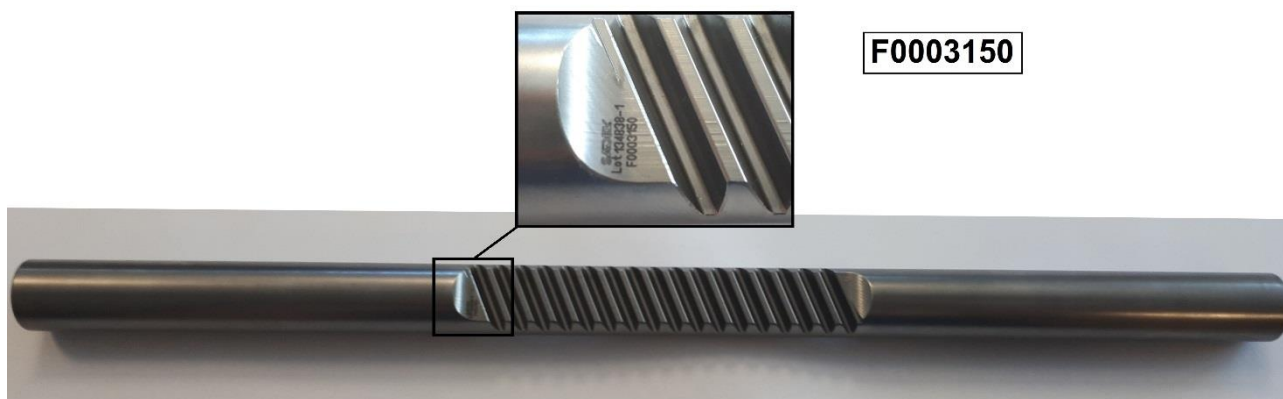


- 09-09-09-019: standard pinion



The alternative marking codes are:

- F0003150: standard steering rack



- F0003022: standard pinion



Tatuus recommends to pairing laser marked 24-13-007 only with 09-09-09-019 and F0003150 only with F0003022.

TECHNICAL INFORMATION

Document: TI_T318_20

Date: 09/10/2019

Subject: ESA AV Mounts

Reference:	Table	Item	Code
	22	14	ORN4036

Accomplishment: immediate

The shifter actuator (ESA) is installed on AV mounts. The AV installation is realized with specific rubber rings, please refer to the elements with #1 in the picture below.

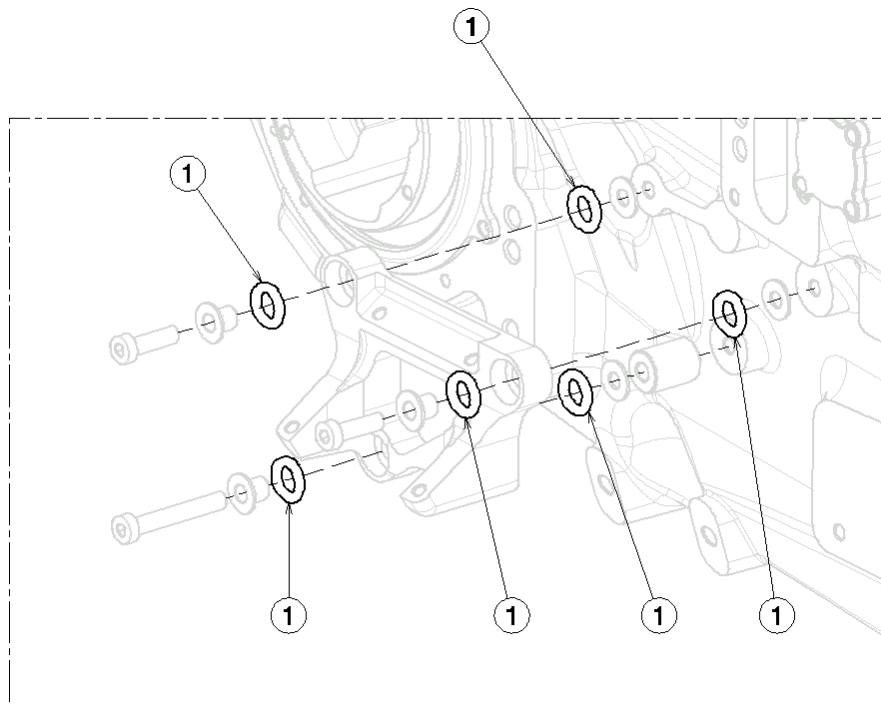


Figure 1

The rubber ring (p/n ORN4036) should be inspected each 1000 km and must be replaced before 3000 km.