

DEVELOPMENT SPRINT REVIEW CALENDAR WEEK 6.21

OVERALL PROJECT SVC3

Key Milestones overview:

Shakedown finish SVC2.1 'Salt' car: 12.04.21

Shakedown finish SVC2.2 'Pepper' car: 26.04.21

HIGHLIGHTS: Successful shakedown at Continental Regensburg. Shakedown plans for chassis getting more concrete (testing ground etc.)

LOWLIGHTS: None

RESTART

HIGHLIGHTS: Review ReStart Timing - done.

Recruiting - still ongoing.

New Frontend - Extension Package.

LOWLIGHTS: Review ReStart Timing & Recruiting more time consuming than expected.

SUPPLY CHAIN MANAGEMENT

HIGHLIGHTS: Restart: Hiring of New Logistics Manager - done.

SOP: Implementation ERP-System - overall progress on track, initial scoping workshops done.

LOWLIGHTS: None

LOGISTICS

HIGHLIGHTS: SOP: Logistics provider selection & evaluation criteria - done

LOWLIGHTS: None

PURCHASING

HIGHLIGHTS: SVC2: Seeing the vehicle driving after months of sourcing, developing, purchasing, logistics, engineering, assembly, troubleshooting.

Considering what has been achieved during COVID restrictions is quite unbelievable. A good example to other partners. (Not withstanding their own countries COVID restrictions).

LOWLIGHTS: None

QUALITY

HIGHLIGHTS: SVC2: Development of a channel for CIP-Inputs for the SVC2 vehicles and the following stages. Optimization of the procedure for the product audit for the SVC2.2

LOWLIGHTS: None

PRODUCTION

HIGHLIGHTS: Restart: Hiring - On Track.

Set up a workshop with NEVS for BIW in advance to the restart - Done.

Organisational Concept defined - Done.

Group Sion Budget Manufacturing will be finish end of this week.

LOWLIGHTS: None

BODY CLOSURE / EXTERIOR (1/2)

HIGHLIGHTS: SVC2: Planning of work packages SVC2.

RA planned solution for side door closing issues.

SVC3: HSL/lighting pre-development: meeting KO, agreed to resource ramp up/small styling changes.

Final confirmation front end extension 160mm.

RLE confirmed FE extension of 160mm has no additional development/design cost effect from 120 > PO can be kicked off.

Planning styling issue resolution for closures/exterior > better status for 2021 restart.

Hinge topic restart planning: solution in sight: requires budget.



BODY CLOSURE / EXTERIOR (2/2)

LOWLIGHTS: SVC2: Additional issues raised: directly series issues, hard to solve/investigate on SVC2.

INTERIOR (1/2)

HIGHLIGHTS: SVC2: Next Vehicle Inspection of Interior related issues at Roding will take place on 01.03.2021.

SVC3: Seat Concept Verification - Whiplash Assessment.

LOWLIGHTS: SVC3: Alignment with HR on Interior|Crash&Safety Positions- done, Personio entries to be done till the next Sprint. Engineering Scope of Work for RFQs - done. Pending remaining RFQs to be sent to suppliers. Cost Estimations were transferred to the Budget File.

BLOCKER: SVC3: Progress in getting all of the suppliers onboard till April that will be important for Interior and Crash&Safety development.

INTERIOR (2/2)

EUNCAP (info only) - Whiplash

1st Row Seats



EUNCAP Whiplash – 2.7/3 Points, Pass (Predicted Target – 2 Points)



BODYSTRUCTURE (1/2)

HIGHLIGHTS: SVC3: Decision Solving Strategy --> Hinge Issue.

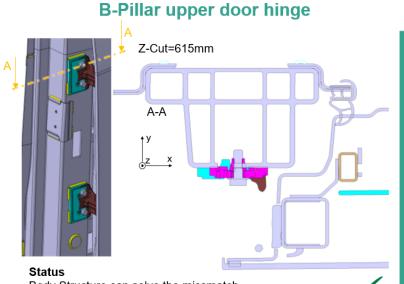
Contact re-start with part suppliers (profiles and sheet metals).

Sign of contract for Position Senior Manager Automotive Body.

ARRK Start: Working access to 3DX & First technical discussions.

LOWLIGHTS: SVC3: Rejection by an applicant.

BODYSTRUCTURE (2/2)



Body Structure can solve the missmatch

· Body Structure hinge bracket can move to hinge position

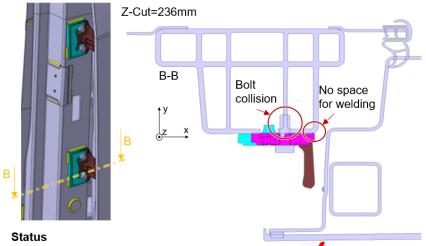


Body Structure Hinge Bracket

Current body structure position

Needed position for current hinge position

B-Pillar lower door hinge



Body Structure cannot solve the missmatch easy

- · Collision of hinge bolt with profil bar
- · No space for body structure hinge bracket welding

Next step

· Body Closrues have to check, if hinge position can move

INFOTAINMENT

HIGHLIGHTS: SVC3: Supplier for USB interfaces will deliver products according to our specs (USB-C with power delivery / up to 18watt charging output).

LOWLIGHTS: SVC2: vehicle still not mature enough to do reliable Infotainment testing (mainly OBC and HV activation topics).

BLOCKER: SVC2: Infotainment testing not possible due to unstable systems in the car (OBC and high voltage). System integration just requires more time and focus for SVC2.

HIGHLIGHTS: SVC2: Sim-Fuse Testing planned WK8 at Roding.

SVC3: Working Students joining. Engineer agreed to join.

Plan for external support on EDS topics making progress (1 Head).

STS for SCCM complete and sent.

LOWLIGHTS: SVC2: BreSono hindering A_CAN, causing HV-Battery from operating intermittently (DTCs).

SVC3: Need to rework BCM STS from Schematic findings.

Progress being made on schematics/electrical interface/topology/device transmittals but falling behind schedule.

BLOCKER: SVC3: Need all technology decisions made ASAP so we don't have to deviate later.

DESS

HIGHLIGHTS: SVC2: First solar charging with part of the roof panels was successfully witnessed on Vitesco's test track in low irradiance environment last week. SVC3: Working Student Joining.

LOWLIGHTS: None

BLOCKER: SVC2: OBC sample in SVC2.2 is defective (not charging anymore). Frequent travels to Roding could be avoided if vehicles could be maintained in our HQ.

CHASSIS

HIGHLIGHTS: SVC2: Steering static calibration finished.

LOWLIGHTS: SVC2: Access to test tracks due Corona restrictions.

DESIGN

HIGHLIGHTS: SVC3: Exterior CAS progressing. extended front design planned to be finished at the end of next week. + minor changes on rear bumper (styling). Lighting concept supplier briefed and kicked off.

Interior CAS progressing. IP, Center Console basic data almost finished, doors ongoing, upper lower trim / headliner is starting. Planned to be finished at the end of March.

LOWLIGHTS: None