INFORMATION REDACTED PURSUANT TOTHE FREEDOM
OF INFORMATION ACT (FOIA), 5 U.S.C.552(B)(6)

This file represents a consolidation of multiple files sent by the manufacturer. Please use the bookmarks to navigate to each file. (Each bookmark label is the name of the original file.)

| | | Source segment | Target segment |
|---|---|---|---|
| | | Page 1 | Page 1 |
| | | Messprotokoll | Measurement log |
| | | Seite | Page |
| | | Auswerte Intervall | Evaluation interval |
| | | Diva - Digitale Versuchsauswertung | Diva - Digital test evaluation |
| | | Volkswagen AG – ISDATA GmbH | Volkswagen AG – ISDATA GmbH |
| | | EKSE – DIVA | EKSE – DIVA |
| | | Versuch | Test |
| | | Versuchsart | Test type |
| | | Frontalsimulation | Frontal simulation |
| | | Datum | Date |
| | | Versuchsingenieur | Test engineer |
| | | EA-Nr. | EA no. |
| | | V-Nr. | Test no. |
| | | VW-V-Nr. | VW test no. |
| | | Kennwort | Password |
| | | Absicherungsversuche | Validation tests |
| | | Versuchsobjekt | Test object |
| | | Typ | Type |
| | | Ident.-Nr. | ID no. |
| | | Masse | Mass |
| | | V-Null | V-Null |
| | | Delta-v obj-winkel | Delta-v object angle |
| | | Grad | Degree |
| | | Versuchsbeschreibung | Test description |
| | | Sollkurven-File | Target curve file |
| | | Pos1 | Position1 |
| | | Dummy | Dummy |
| | | ZZPA | ZZPA |
| | | ZZPG | ZZPG |
| | | ZZP-KB | ZZP-KB |
| | | ZZP-EBSS | ZZP-EBSS |
| | | Kommentar zum Versuch | Comment on test |
| | | Kommentar zur Messung | Comment on measurement |
| | | Bemerkungen zum Versuch | Notes on test |
| | | Bemerkungen zum Versuchsobjekt 1 | Notes on test object 1 |
| | | Auswerteintervall | Evaluation interval |

| | | | |
|---|---|---|---|
| | | Einh. | Unit |
| | | CFC | CFC |
| | | Min | Min |
| | | t(min) | t(min) |
| | | Max | Max |
| | | 3-ms-Wert | 3-ms value |
| | | (kontinuierlich/kumuliert) | (continual/cumulative) |
| | | Messstellen für S: | Measurement points for S: |
| | | Schlitten vorn | Slide forward |
| | | T-Null | T-Null |
| | | Kopf | Head |
| | | Resultierende: | Results: |
| | | Head Injury Criterion: | Head Injury Criterion: |
| | | Hic | HIC |
| | | BrIC | BrIC |
| | | Page 2 | Page 2 |
| | | Hals oben | Neck up |
| | | EuroNCAP-Punkte (Scherung, positiv) | EuroNCAP points (shearing, positive) |
| | | Nackenkriterium (Nkm) | Neck criterion (Nkm) |
| | | Nfa=xxx bei xxx ms; Fint; Mint; Hebelarm | Nfa=xxx at xxx ms; Fint; Mint; Lever |
| | | Nea | Nea |
| | | Nfp | Nfp |
| | | Nep | Nep |
| | | NIC (front impact EuroNcap) für negative Scherkräfte | NIC (front impact EuroNcap) for negative shearing forces |
| | | NIC (front impact EuroNcap) für positive Scherkräfte | NIC (front impact EuroNcap) for positive shearing forces |
| | | NIC (front impact ECE) für negative Scherkräfte | NIC (front impact ECE) for negative shearing forces |
| | | NIC (front impact IIHS) für negative Scherkräfte | NIC (front impact IIHS) for negative shearing forces |
| | | Stauchung, positiv | Compression, positive |
| | | NIC (front impact EuroNcap) für Zugkräfte | NIC (front impact EuroNcap) for tensile forces |
| | | NIC (front impact ECE) für Druckkräfte | NIC (front impact ECE) for compressive forces |
| | | NIC (front impact ECE) für Zugkräfte | NIC (front impact ECE) for tensile forces |
| | | NIC (front impact IIHS) für Druckkräfte | NIC (front impact IIHS) for compressive forces |
| | | NIC (front impact IIHS) für Zugkräfte | NIC (front impact IIHS) for tensile forces |
| | | NIC (FMVSS) für Druckkräfte | NIC (FMVSS) for tensile forces |
| | | NIC (FMVSS) für Zugkräfte | NIC (FMVSS) for compressive forces |
| | | Normalized Neck Injury Criterion (Nij); NFC=xxx bei xxx ms; NTE; NCF; NCE | Normalized Neck Injury Criterion (Nij); NFC=xxx at xxx ms; NTE; NCF; NCE |
| | | mit den Kennwerten: | with parameters: |

| | | | |
|---|---|---|---|
| | | Fzc, Myc, Hebelarm, Intervall | Fzc, Myc, Lever, Interval |
| | | effektive Momente | Effective torques |
| | | Brust | Chest |
| | | Severity Index | Severity Index |
| | | SAE | SAE |
| | | ECE | ECE |
| | | VC {ext, max, min} | VC {ext, max, min} |
| | | Eindruckgeschwindigkeit {ext} | Velocity of compression {ext} |
| | | IIHS Deflection Rate | IIHS Deflection Rate |
| | | Page 3 | Page 3 |
| | | Brustpolynomkalibrierung | Chest polynomial calibration |
| | | Brustbein Mitte | Sternum center |
| | | Becken | Pelvis |
| | | Oberschenkel links | Femur left |
| | | Druck, negativ | Pressure, negative |
| | | Oberschenkel rechts | Femur right |
| | | Gurt Schulter außen | Seatbelt shoulder outside |
| | | Seatbelt Force Smooth | Seatbelt Force Smooth |
| | | Gurt Becken außen | Seatbelt pelvis outside |
| | | Gurtretraktor (Timer) | Belt retractor (timer) |
| | | Gurtretraktor Kraftbegrenzer (Timer) | Belt retractor force limiter (timer) |
| | | Endbeschlagsstraffer Beckengurt (Timer) | End fitting tightener lap belt (timer) |
| | | Airbag 1. Stufe (Timer) | Airbag - first stage (timer) |
| | | Ende. | End. |
| | | Page 4 | Page 4 |
| | | Kopfbeschleunigung SP 1 als Funktion der Zeit | Head acceleration SP 1 as a function of time |
| | | Versuchstermin | Test date |
| | | Kopfbeschleunigung [g] | Head acceleration [g] |
| | | Resultierende [g] | Results [g] |
| | | Zeit seit Aufprall [ms] | Time from impact [ms] |
| | | HIC | HIC |
| | | Kum | Cumulative |
| | | Kon | Continual |
| | | EXT | EXT |
| | | CFC | CFC |
| | | Page 5 | Page 5 |
| | | Kopf-X SP 1: | Head-X SP 1: |
| | | Beschleunigung Geschwindigkeit und Weg als Funktion der Zeit | Acceleration, velocity and path as a function of time |

| | | | |
|---|---|---|---|
| | | Beschleunigung [g] | Acceleration [g] |
| | | Geschwindigkeit [m/s] | Velocity [m/s] |
| | | Page 6 | Page 6 |
| | | Kopfbeschleunigung SP 1 über Kopfvorverlagerung | Head acceleration SP 1 over forward head displacement |
| | | Weg aus (xxx - yyy) [mm] | Path from (xxx - yyy) [mm] |
| | | Page 7 | Page 7 |
| | | Kopfvorverlagerung: | Forward head displacement: |
| | | Beschleunigung, Geschwindigkeit und Weg | Acceleration, velocity and path |
| | | Beschleunigung der Kopfvorverlagerung | Acceleration of the forward head displacement |
| | | Weg [mm] | Path [mm] |
| | | Page 8 | Page 8 |
| | | Halskraft SP 1 R als Funktion der Zeit | Neck force SP 1 R as a function of time |
| | | Hals oben Res(X;Y;Z) | Neck up Res(X;Y;Z) |
| | | Kraft [kN] | Force [kN] |
| | | Page 9 | Page 9 |
| | | Halskraft SP 1 *<716>*X*</716>* als Funktion der Zeit | Neck force SP 1 X as a function of time |
| | | Page 10 | Page 10 |
| | | Halskraft SP 1 *<728>*Y*</728>* als Funktion der Zeit | Neck force SP 1 Y as a function of time |
| | | Page 11 | Page 11 |
| | | Halskraft SP 1 *<740>*Z*</740>* als Funktion der Zeit | Neck force SP 1 Z as a function of time |
| | | Page 12 | Page 12 |
| | | Halsmoment SP 1 R über der Zeit | Neck torque SP 1 R over time |
| | | Moment [Nm] | Torque [Nm] |
| | | Page 16 | Page 16 |
| | | NIC-Berechnung SP 1 Frontalaufprall nach EuroNCAP | NIC calculation SP 1 frontal impact in acc. with EuroNCAP |
| | | Scherkraft [kN] | Shearing force [kN] |
| | | Zugkraft [kN] | Tensile force [kN] |
| | | Belastungsdauer [ms] | Duration of load [ms] |
| | | Page 17 | Page 17 |
| | | Effektives Halsmoment SP 1 als Funktion der Zeit | Effective neck torque SP 1 as a function of time |
| | | Halskraft X [kN] | Neck force X [kN] |
| | | Effekt. Moment [Nm] | Effective torque [Nm] |
| | | Page 18 | Page 18 |
| | | Nij Berechnung SP 1 | Nij calculation SP 1 |
| | | Ntf | Ntf |
| | | Nte | Nte |
| | | Ncf | Ncf |
| | | Nce | Nce |

| | | | |
|---|---|---|---|
| | | Page 19 | Page 19 |
| | | (Anteile) | (portions) |
| | | Dummytyp | Dummy type |
| | | Nij-Verlauf | Nij progression |
| | | Anteil am Nij-Wert | Portion of Nij value |
| | | Totales Moment Y [Nm] | Total torque Y [Nm] |
| | | Nackenkraft Z [kN] | Neck force Z [kN] |
| | | Page 20 | Page 20 |
| | | Brustbeschleunigung SP 1 als Funktion der Zeit | Chest acceleration SP 1 as a function of time |
| | | Brust | Chest |
| | | Brustbeschleunigung [g] | Chest acceleration [g] |
| | | Page 21 | Page 21 |
| | | Brusteindrückung SP 1 als Funktion der Zeit | Chest compression SP 1 as a function of time |
| | | Brusteindrückung [mm] | Chest compression [mm] |
| | | Page 22 | Page 22 |
| | | Brustbeschleunigung SP 1 über Brustvorverlagerung | Chest acceleration SP 1 over forward chest displacement |
| | | Page 23 | Page 23 |
| | | Brustvorverlagerung SP 1: | Forward chest displacement SP 1: |
| | | Beschleunigung, Geschwindigkeit und Weg | Acceleration, velocity and path |
| | | Beschleunigung der Brustvorverlagerung | Acceleration of the forward chest displacement |
| | | Weg [mm] | Path [mm] |
| | | Page 25 | Page 25 |
| | | Viskosität SP 1 frontal (ECE) | Viscosity SP 1 frontal (ECE) |
| | | Brusteindrückgeschwindigkeit [m/s] | Chest compression velocity [m/s] |
| | | Brustkompression [1] | Chest compression [1] |
| | | Viskosität [m/s] | Viscosity [m/s] |
| | | Page 27 | Page 27 |
| | | Beckenbeschleunigung SP 1 als Funktion der Zeit | Pelvis acceleration SP 1 as a function of time |
| | | Beckenbeschleunigung [g] | Pelvis acceleration [g] |
| | | Page 28 | Page 28 |
| | | Beckenbeschleunigung SP 1 über Beckenvorverlagerung | Pelvis acceleration SP 1 over forward pelvis displacement |
| | | Becken | Pelvis |
| | | Page 29 | Page 29 |
| | | Beckenvorverlagerung: | Forward pelvis displacement: |
| | | Beschleunigung, Geschwindigkeit und Weg | Acceleration, velocity and path |
| | | Beschleunigung der Beckenvorverlagerung | Acceleration of forward pelvis displacement |
| | | Page 30 | Page 30 |
| | | Oberschenkelkräfte SP 1 als Funktion der Zeit | Femur forces SP 1 as a function of time |

| | | | |
|---|---|---|---|
| | | Oberschenkel links | Femur left |
| | | Oberschenkelkraft links [kN] | Femur left [kN] |
| | | Oberschenkelkraft rechts [kN] | Femur right [kN] |
| | | Page 31 | Page 31 |
| | | Gurtkraft SP 1 als Funktion der Zeit | Seatbelt force SP 1 as a function of time |
| | | Gurtkräfte Schulter [kN] | Seatbelt forces - shoulder [kN] |
| | | Gurtkräfte Becken [kN] | Seatbelt forces - pelvis [kN] |
| | | Page 32 | Page 32 |
| | | Schlittenbeschleunigung, Geschwindigkeit und Weg aus Funktion der Zeit (ohne Anfangsgeschwindigkeit) | Slide acceleration, velocity and path as a function of time (without initial velocity) |
| | | Page 33 | Page 33 |
| | | (mit V-Null) | (with V-Null) |
| | | Page 34 | Page 34 |
| | | (mit Delta-V) | (with Delta-V) |
| | | Page 35 | Page 35 |
| | | Kontaktzustand | Contact condition |
| | | Page 39 | Page 39 |
| | | Beschleunigung als Funktion der Zeit | Acceleration as a function of time |
| | | Page 40 | Page 40 |
| | | Sonstige Messstelle über der Zeit | Other measurement point over time |
| | | elektr. Stromstärke [mA] | Strength of electrical current [mA] |
| | | Page 41 | Page 41 |
| | | Ereignis [1] | Event [1] |
| | | Page 42 | Page 42 |
| | | Brust Res(X;Y;Z) | Chest Res(X;Y;Z) |
| | | Winkelgeschwindigkeit [Grad/s] | Angular velocity [degree/s] |
| | | Page 47 | Page 47 |
| | | Kopf Res(X;Y;Z) | Head Res(X;Y;Z) |

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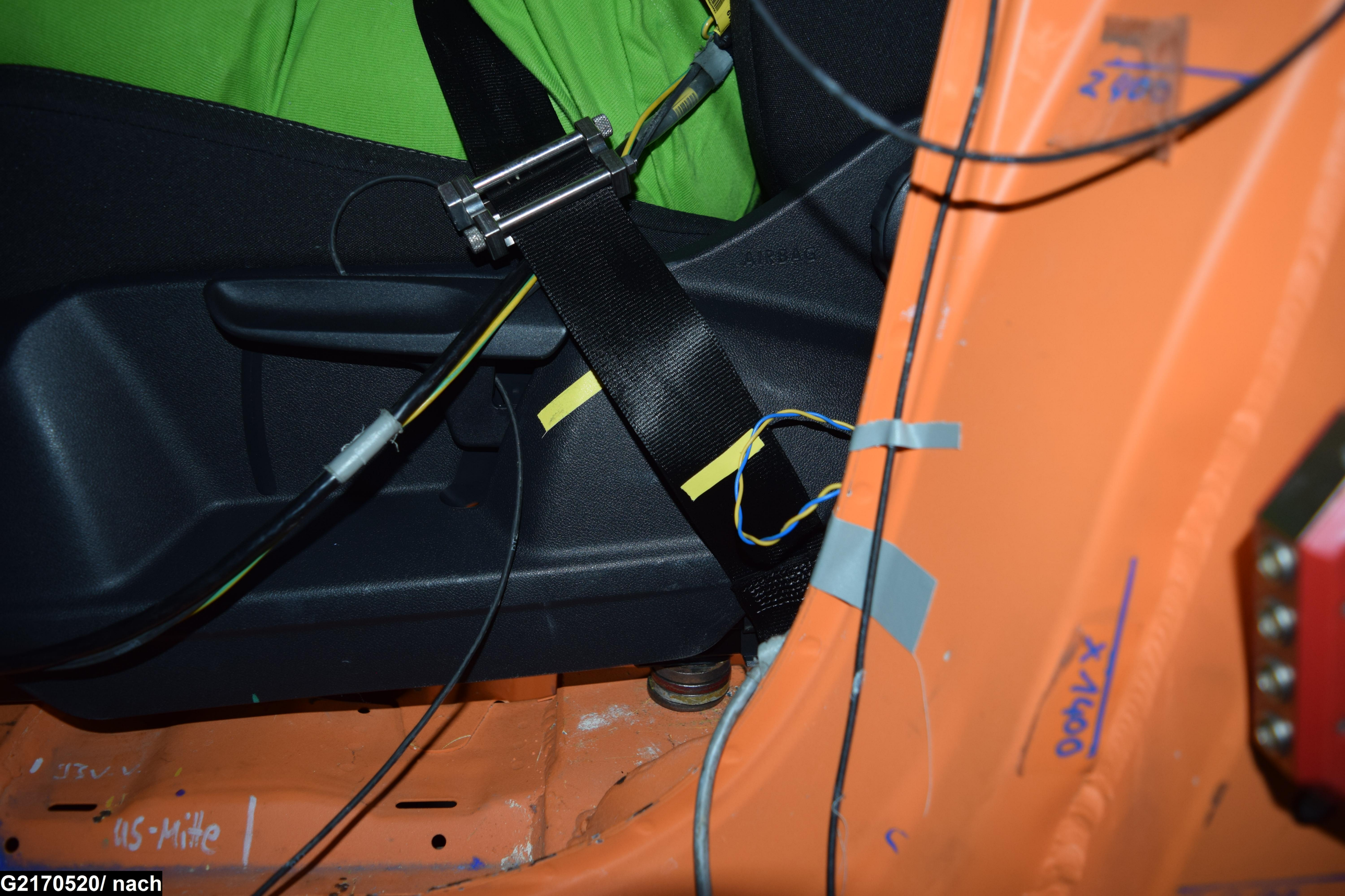


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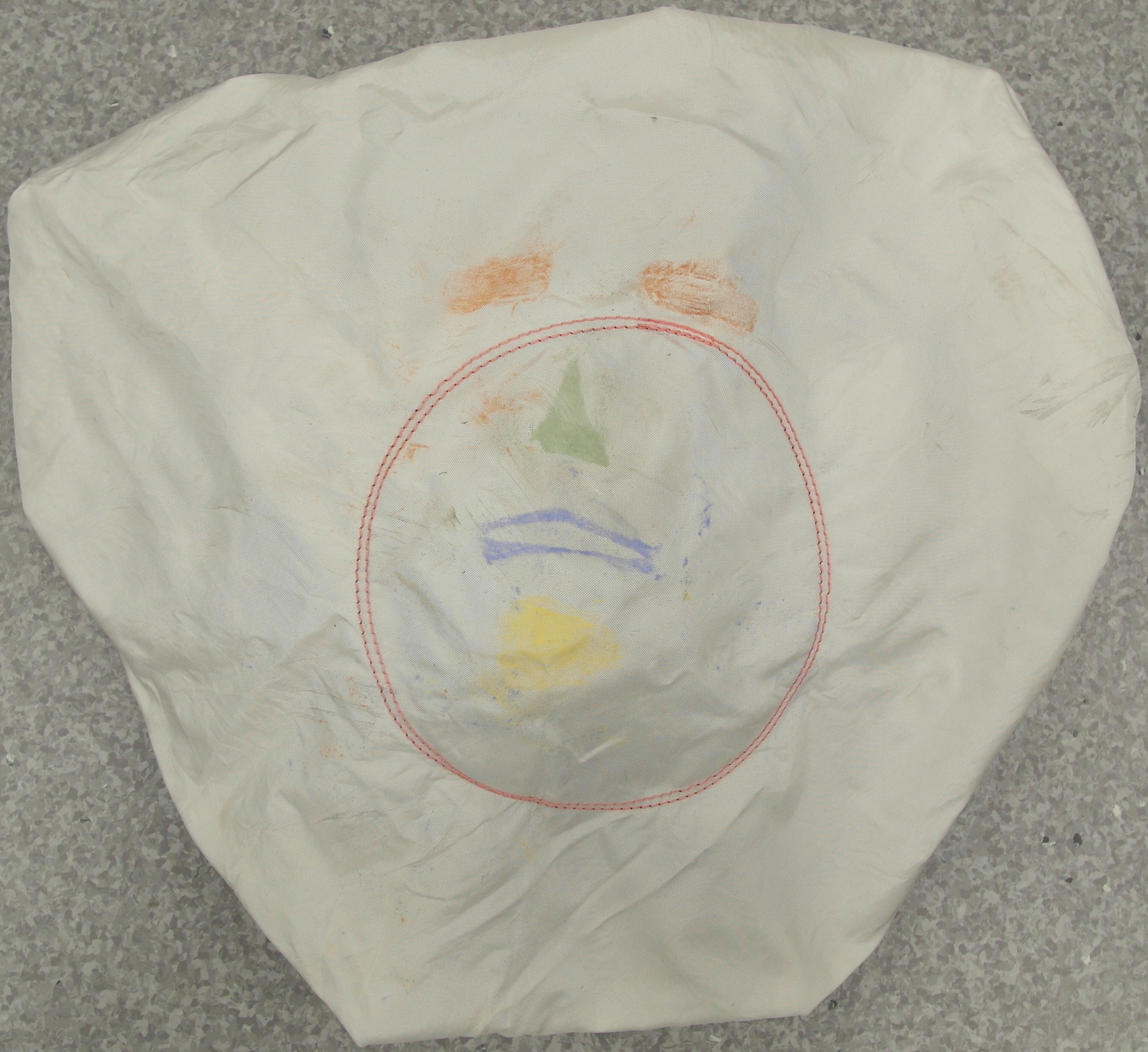

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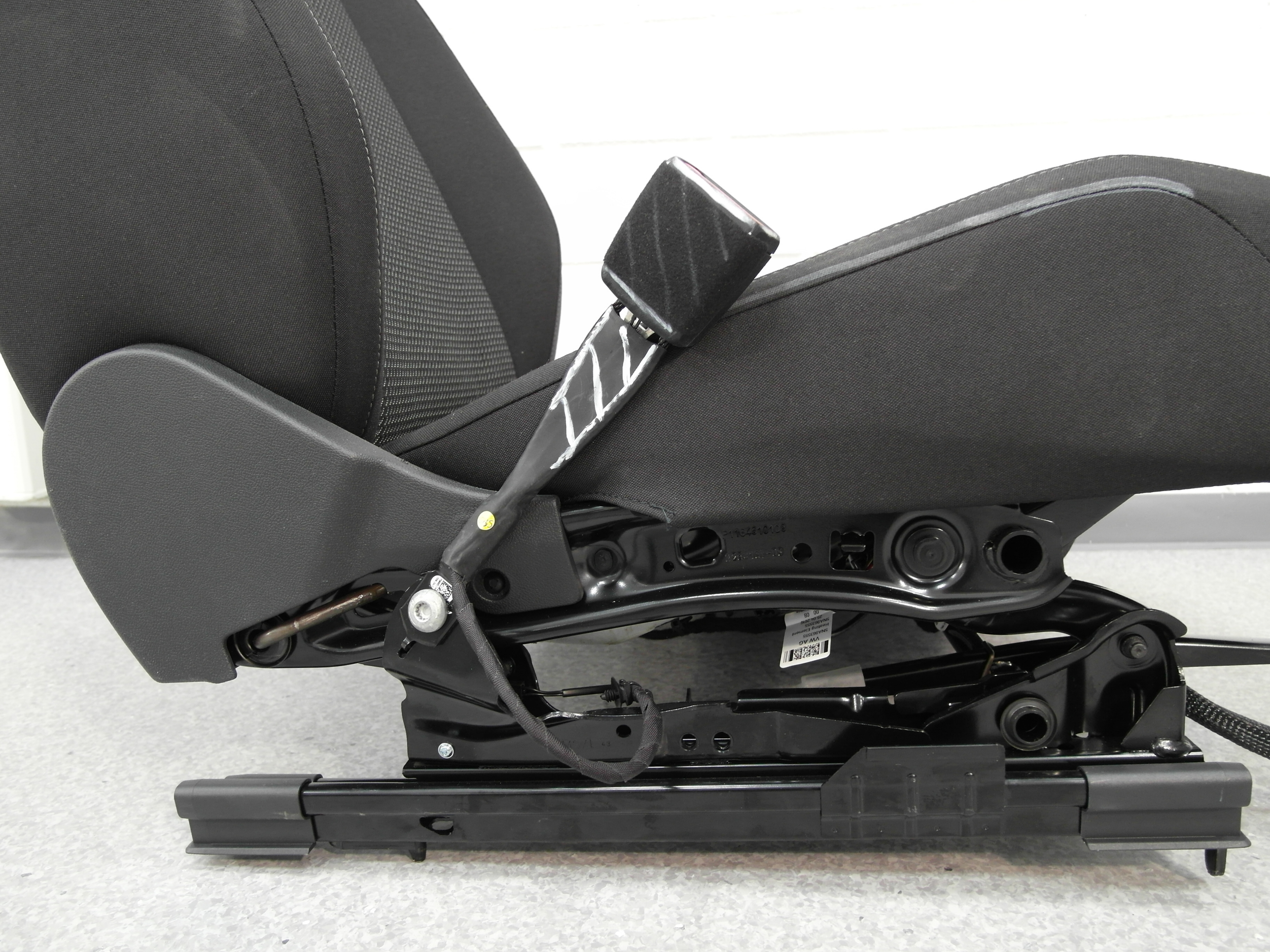
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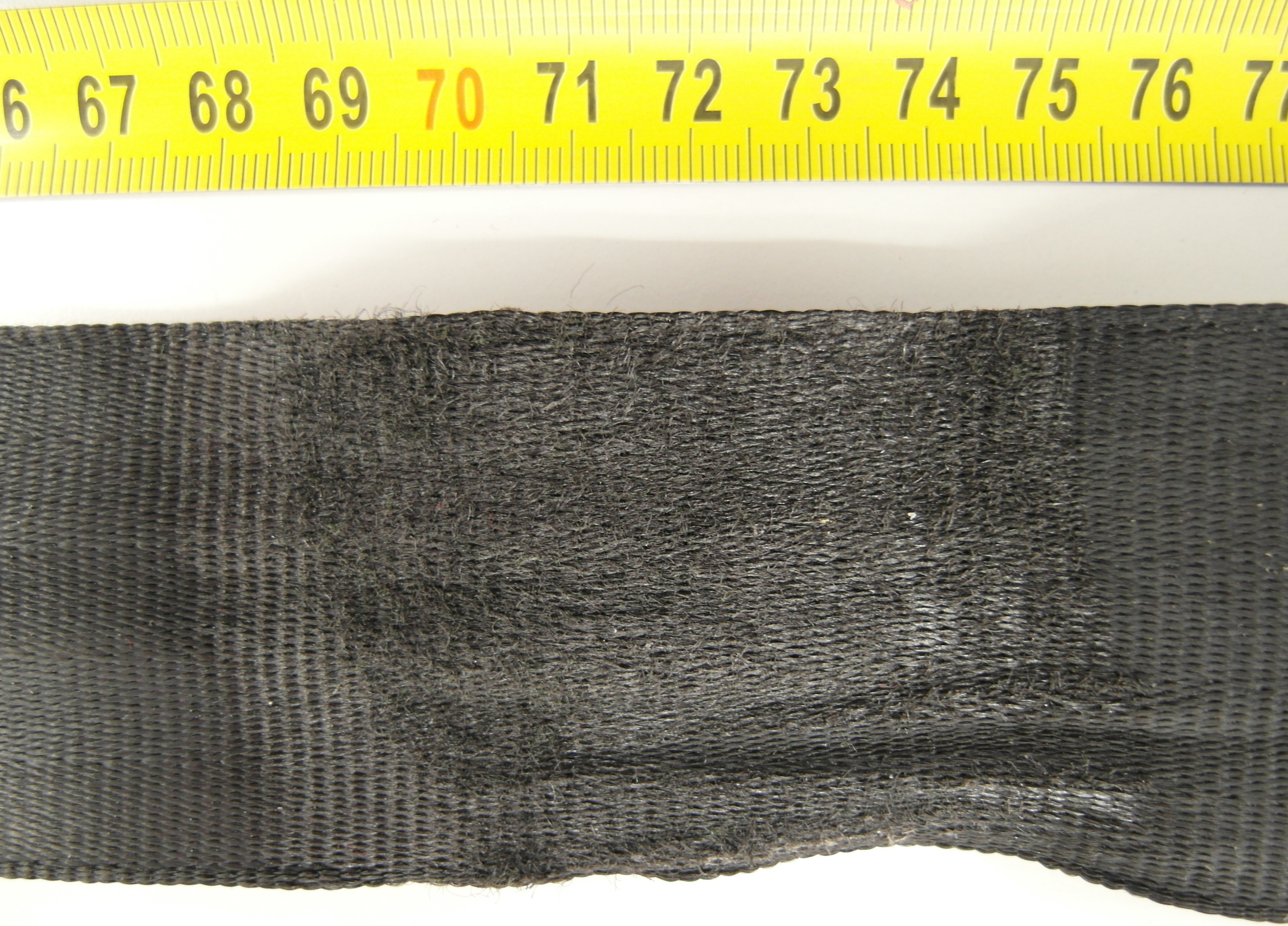
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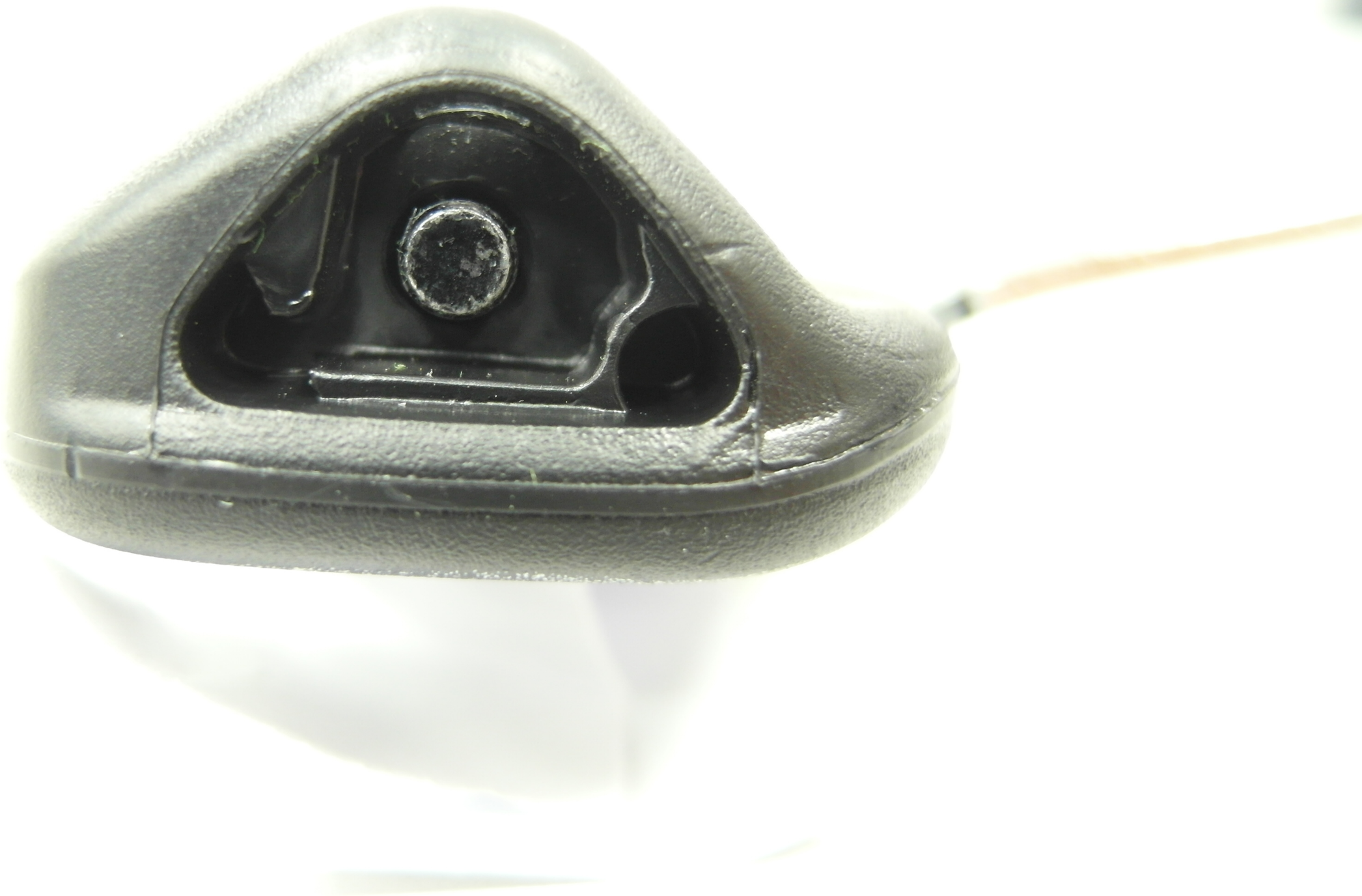

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