

picture only from the left side of the video

General Mainlocations

? ? AIRB	???? ??	Airbag
? ? ABSE	???? ??	Airbag Sensor

Frontal Airbags

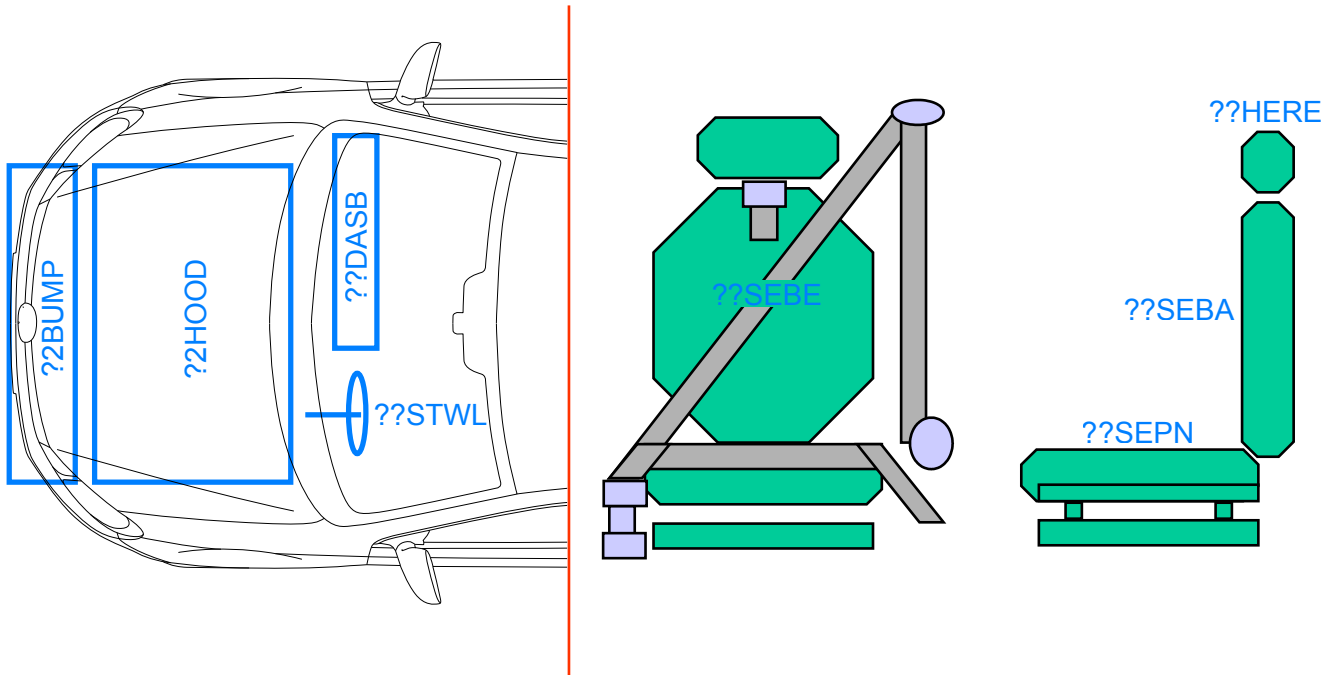
? ? KNBO	???? AF	Knee Bolster Airbag
? ? KNBO	???? GF	Knee Bolster Generator
? ? SEBA	???? AF	Seat Back Knee Airbag
? ? SEBA	???? GF	Seat Back Knee Generator
? ? FOWE	???? AF	Footwell Airbag
? ? FOWE	???? GF	Footwell Generator

Side Airbags

? ? DOOR	???? AS	Door Side Airbag
? ? DOOR	???? GS	Door Side Generator

Head Airbags

? ? DOOR	???? AH	Door Head Airbag
? ? DOOR	???? GH	Door Head Generator
? ? ROFR	???? AH	Roof Frame Head Airbag
? ? ROFR	???? GH	Roof Frame Head Generator



Frontal Airbags

- ? ? STWL ???? AF Steering Wheel Airbag
- ? ? STWL ???? GF Steering Wheel Gen.
- ? ? DASB ???? AF Dashboard Airbag
- ? ? DASB ???? GF Dashboard Generator

Pedestrian Airbags

- ? 2 BUMP ???? AP Bumper Airbag
- ? 2 BUMP ???? GP Bumper Generator
- ? 2 HOOD ???? AP Hood Airbag
- ? 2 HOOD ???? GP Hood Generator

Frontal Airbags

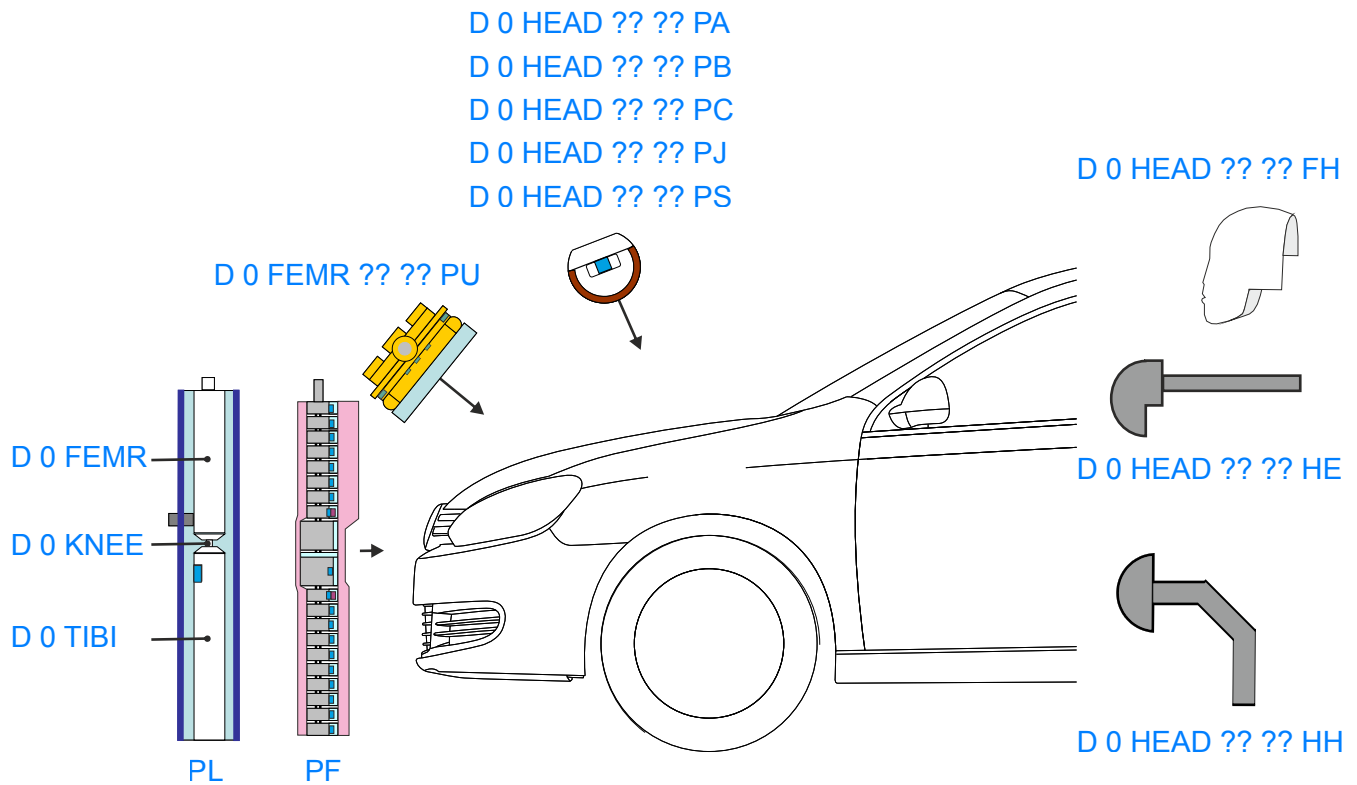
- ? ? SEBE ???? AF Seat Belt Airbag
- ? ? SEBE ???? GF Seat Belt Generator

Side Airbags

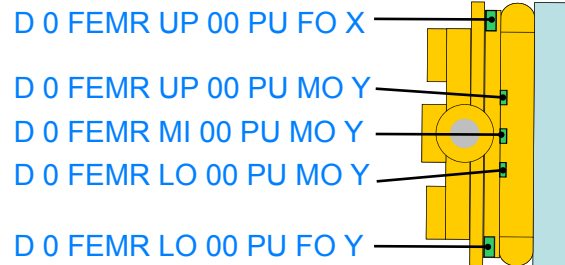
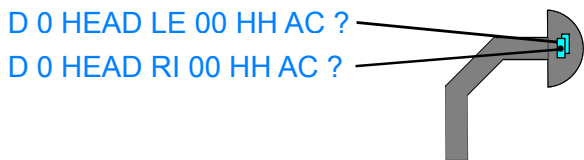
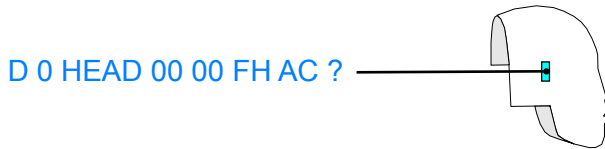
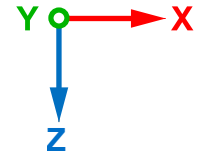
- ? ? SEPN ???? AS Seat Pan Airbag
- ? ? SEPN ???? GS Seat Pan Generator
- ? ? SEBA ???? AS Seat Back Airbag
- ? ? SEBA ???? GS Seat Back Generator

Rear Airbags

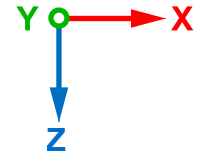
- ? ? HERE ???? AR Head Restraint Airbag
- ? ? HERE ???? GR Head Restraint Gen.



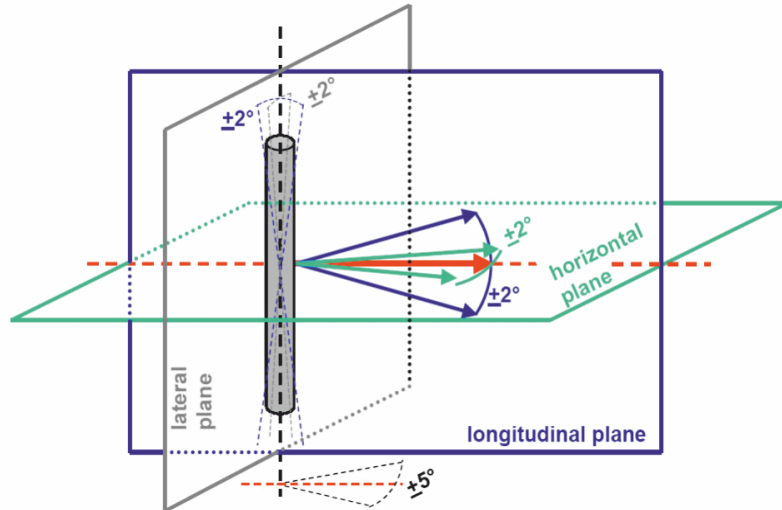
D 0 HEAD ?? ?? FH	Free Motion Headform
D 0 HEAD ?? ?? HE	Headform (e.g. Ejection Mitigation)
D 0 HEAD ?? ?? HH	Hemisphere Headform (e.g. FMVSS201, FMVSS202a, ECE-R17, ECE-R21, GTR7)
D 0 HEAD ?? ?? PA	Adult Headform
D 0 HEAD ?? ?? PB	ACEA Headform
D 0 HEAD ?? ?? PC	Child Headform
D 0 HEAD ?? ?? PJ	JARI Headform
D 0 HEAD ?? ?? PS	JARI Child Headform
D 0 FEMR ?? ?? PU	Upper Legform Pedestrian Impactor
D 0 FEMR ?? ?? PL	Legform Pedestrian Impactor (upper leg)
D 0 KNEE ?? ?? PL	Legform Pedestrian Impactor (knee region)
D 0 TIBI ?? ?? PL	Legform Pedestrian Impactor (lower leg)
D 0 FEMR ?? ?? PF	Flexible Legform Impactor (upper leg)
D 0 KNEE ?? ?? PF	Flexible Legform Impactor (knee region)
D 0 TIBI ?? ?? PF	Flexible Legform Impactor (lower leg)



D 0 HEAD 00 00 FH AC X ?	Free Motion Headform Acceleration X	transducer
D 0 HEAD 00 00 FH AC Y ?	Free Motion Headform Acceleration Y	transducer
D 0 HEAD 00 00 FH AC Z ?	Free Motion Headform Acceleration Z	transducer
D 0 HEAD ?? 00 H? AC X ?	(Hemisphere) Headform Acceleration X	transducer
D 0 HEAD ?? 00 H? AC Y ?	(Hemisphere) Headform Acceleration Y	transducer
D 0 HEAD ?? 00 H? AC Z ?	(Hemisphere) Headform Acceleration Z	transducer
D 0 HEAD 00 00 P? AC X ?	Headimpactor Acceleration X	transducer
D 0 HEAD 00 00 P? AC Y ?	Headimpactor Acceleration Y	transducer
D 0 HEAD 00 00 P? AC Z ?	Headimpactor Acceleration Z	transducer
D 0 HEAD 00 ?? ?? DS X V	Position X	filmanalysis
D 0 HEAD 00 ?? ?? DS Y V	Position Y	filmanalysis
D 0 HEAD 00 ?? ?? DS Z V	Position Z	filmanalysis
D 0 HEAD 00 ?? ?? AN X V	Rotation around X Axis	filmanalysis
D 0 HEAD 00 ?? ?? AN Y V	Rotation around Y Axis	filmanalysis
D 0 HEAD 00 ?? ?? AN Z V	Rotation around Z Axis	filmanalysis
D 0 FEMR UP 00 PU FO X ?	Upper Shear Force X	transducer
D 0 FEMR LO 00 PU FO X ?	Lower Shear Force X	transducer
D 0 FEMR UP 00 PU MO Y ?	Upper Bending Moment Y	transducer
D 0 FEMR MI 00 PU MO Y ?	Middle Bending Moment Y	transducer
D 0 FEMR LO 00 PU MO Y ?	Lower Bending MomentY	transducer

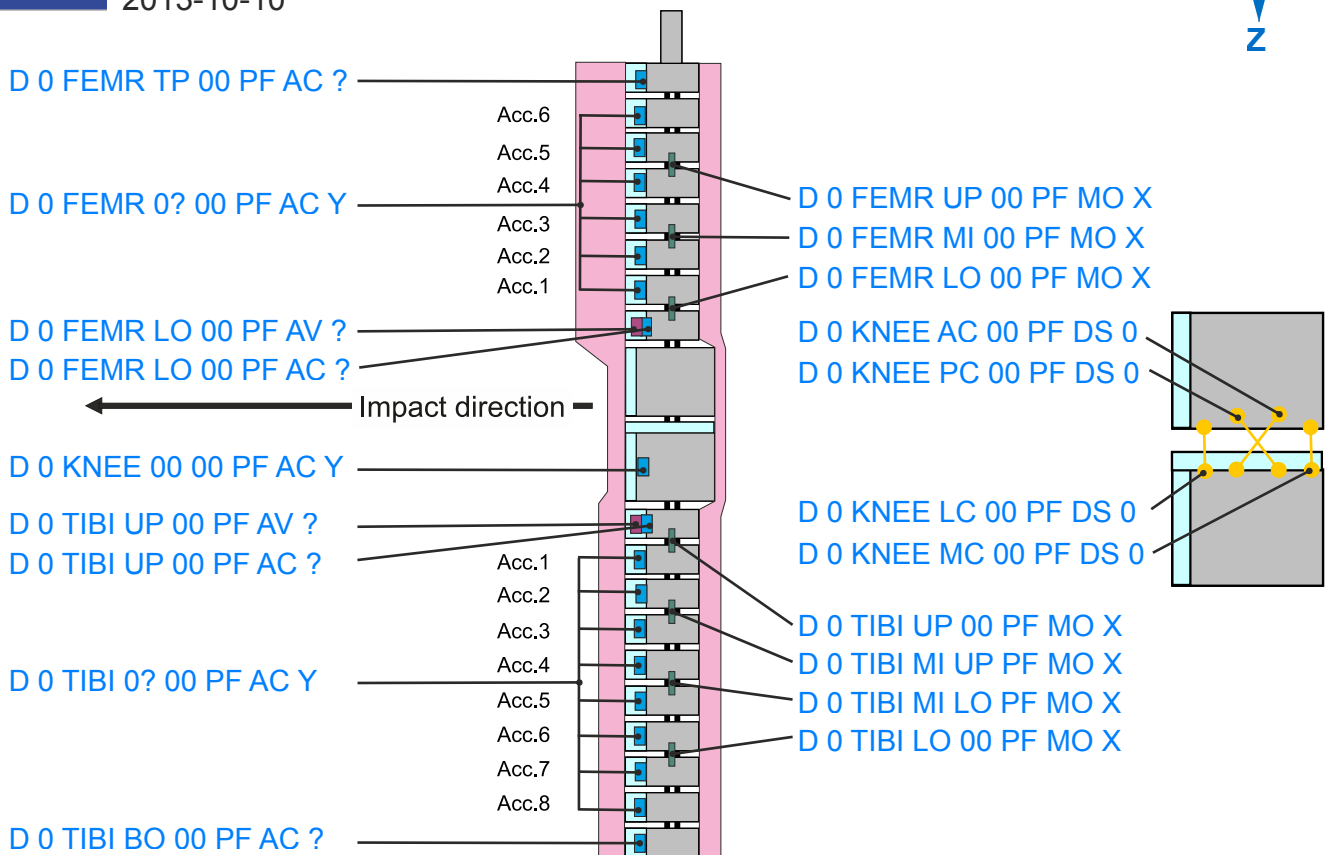
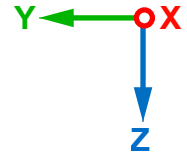


D 0 FEMR 00 00 PLAN Y
D 0 TIBI UP 00 PLAN Y
D 0 TIBI UP 00 PLAC X

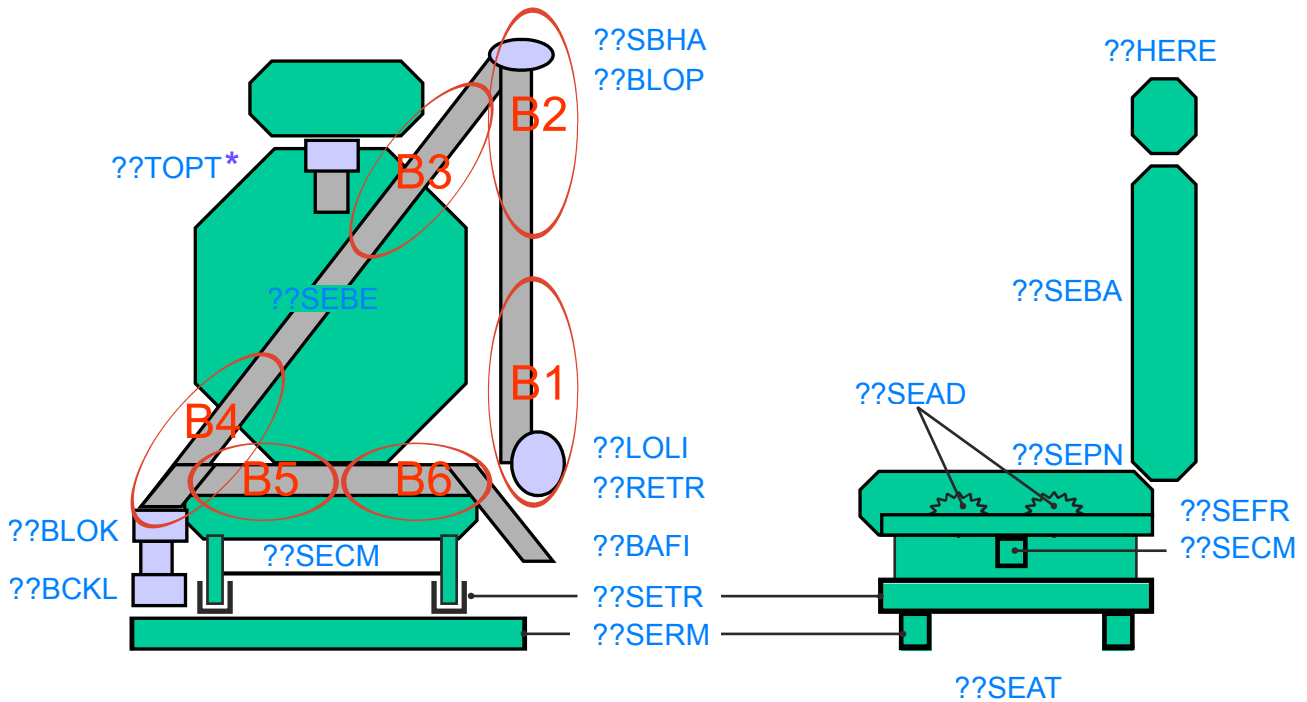


Impact direction →

D 0 TIBI UP 00 PL AC X ?	Tibia Acceleration X	transducer
D 0 TIBI UP 00 PL AN Y ?	Bending Angle Tibia Y	transducer
D 0 FEMR 00 00 PL AN Y ?	Bending Angle Femur Y	transducer
D 0 KNEE 00 00 PL AN Y ?	Bending Angle effective Y	calculation
D 0 KNEE 00 00 PL DS X ?	Shear Displacement X	calculation
negative shear displacement values if tibia is retained against femur		
D 0 FEMR 00 OR PL DS X V	Position X	filmanalysis
D 0 FEMR 00 OR PL DS Y V	Position Y	filmanalysis
D 0 FEMR 00 OR PL DS Z V	Position Z	filmanalysis
D 0 FEMR 00 OR PL AN X V	Orientation in lateral Plane	filmanalysis
D 0 FEMR 00 OR PL AN Y V	Orientation in longitudinal Plane	filmanalysis
D 0 FEMR 00 OR PL AN Z V	Orientation in horizontal Plane	filmanalysis
D 0 TIBI UP 00 PL DS X ?	Indentation at Hit Point X	calculation



D0FEMRUP00PFMOX	Femur Up Moment X	D0FEMRLO00PFACX	Femur Lo Acc X
D0FEMRMI00PFMOX	Femur Mi Moment X	D0FEMRLO00PFACY	Femur Lo Acc Y
D0FEMRLO00PFMOX	Femur Lo Moment X	D0FEMRLO00PFACZ	Femur Lo Acc Z
		D0FEMRLO00PFAVX	Femur Lo Ang Vel X
D0KNEELC00PFDS0	Knee LCL Elongation	D0FEMRLO00PFAVY	Femur Lo Ang Vel Y
D0KNEEAC00PFDS0	Knee ACL Elongation	D0FEMRLO00PFAVZ	Femur Lo Ang Vel Z
D0KNEEPC00PFDS0	Knee PCL Elongation		
D0KNEEMC00PFDS0	Knee MCL Elongation	D0TIBIUP00PFACX	Tibia Up Acc X
		D0TIBIUP00PFACY	Tibia Up Acc Y
D0TIBIUP00PFMOX	Tibia Up Moment X	D0TIBIUP00PFACZ	Tibia Up Acc Z
D0TIBIMIUPPFMOX	Tibia Mi Up Mom X	D0TIBIUP00PFAVX	Tibia Up Ang Vel X
D0TIBIMILOPFMOX	Tibia Mi Lo Mom X	D0TIBIUP00PFAVY	Tibia Up Ang Vel Y
D0TIBILO00PFMOX	Tibia Lo Moment X	D0TIBIUP00PFAVZ	Tibia Up Ang Vel Z
D0FEMRTP00PFACX	Femur Top Acc X	D0TIBI0100PFACY	Tibia Seg 1 Acc Y
D0FEMRTP00PFACY	Femur Top Acc Y	D0TIBI0200PFACY	Tibia Seg 2 Acc Y
D0FEMRTP00PFACZ	Femur Top Acc Z	D0TIBI0300PFACY	Tibia Seg 3 Acc Y
		D0TIBI0400PFACY	Tibia Seg 4 Acc Y
D0FEMR0600PFACY	Femur Seg 6 Acc Y	D0TIBI0500PFACY	Tibia Seg 5 Acc Y
D0FEMR0500PFACY	Femur Seg 5 Acc Y	D0TIBI0600PFACY	Tibia Seg 6 Acc Y
D0FEMR0400PFACY	Femur Seg 4 Acc Y	D0TIBI0700PFACY	Tibia Seg 7 Acc Y
D0FEMR0300PFACY	Femur Seg 3 Acc Y	D0TIBI0800PFACY	Tibia Seg 8 Acc Y
D0FEMR0200PFACY	Femur Seg 2 Acc Y		
D0FEMR0100PFACY	Femur Seg 1 Acc Y	D0TIBIBO00PFACX	Tibia Bo Acc X
		D0TIBIBO00PFACY	Tibia Bo Acc Y
		D0TIBIBO00PFACZ	Tibia Bo Acc Z



? ? SEBE ???? B1 Seat Belt at Retractor
 ? ? SEBE ???? B2 Seat Belt below Belt Loop
 ? ? SEBE ???? B3 Seat Belt at upper Diag. Belt
 ? ? SEBE ???? B4 Seat Belt at lower Diag. Belt
 ? ? SEBE ???? B5 Seat Belt at Lap Belt inside
 ? ? SEBE ???? B6 Seat Belt at Lap Belt outside

? ? PRET ???? B1 Pretensioner at Retractor
 ? ? PRET ???? B2 Pretensioner below Belt Loop
 ? ? PRET ???? B4 Pretensioner at lower Diag. Belt
 ? ? PRET ???? B6 Pretensioner at Lap Belt outside

? ? LOLI Load Limiter
 ? ? RETR Retractor

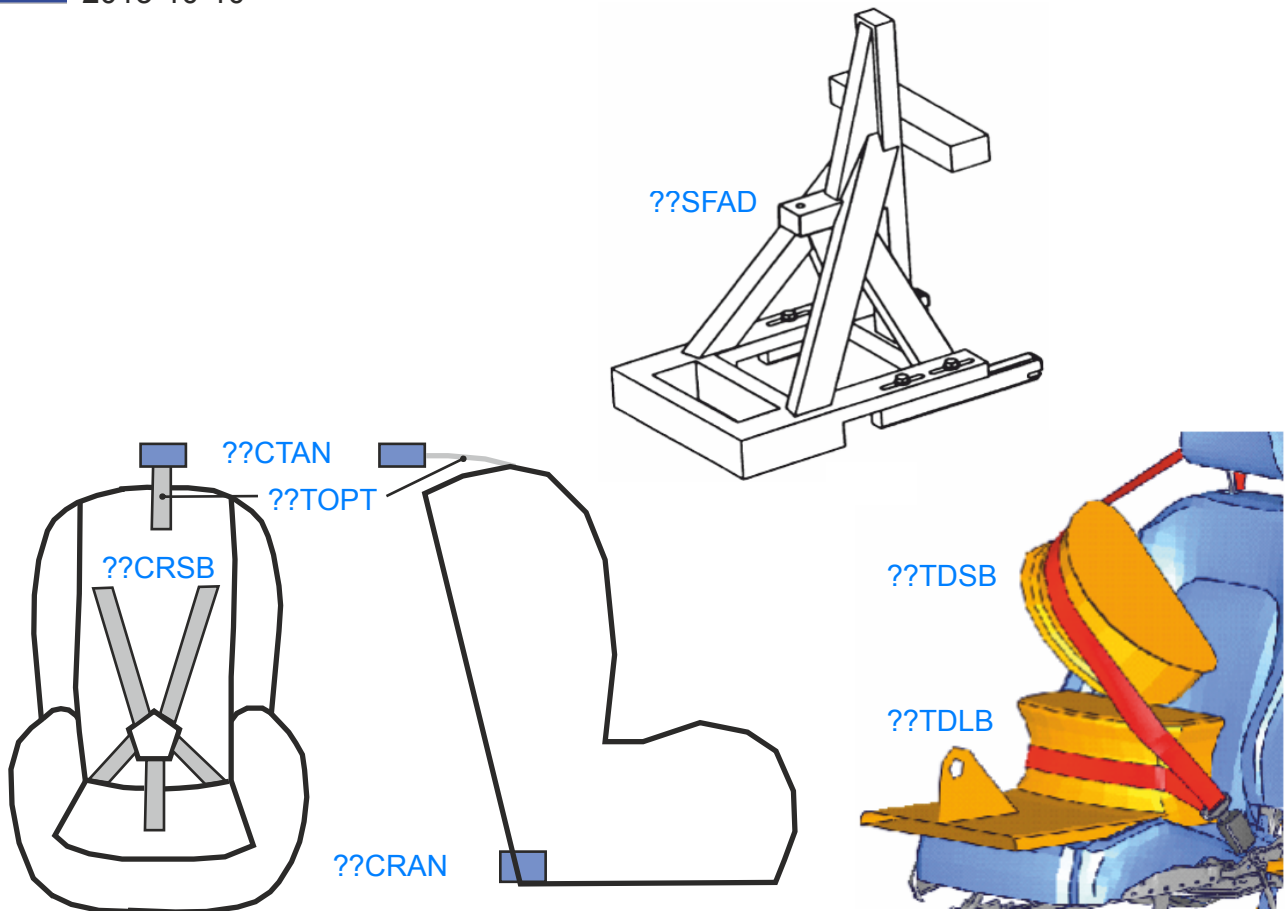
? ? SBHA Seat Belt Height Adjuster
 ? ? BLOP Belt Loop

? ? BLOK Belt Lock
 ? ? BCKL Buckle

? ? BAFI Belt Anchor Fitting

* Only at the rear seats
 ? ? TOPT Top Tether

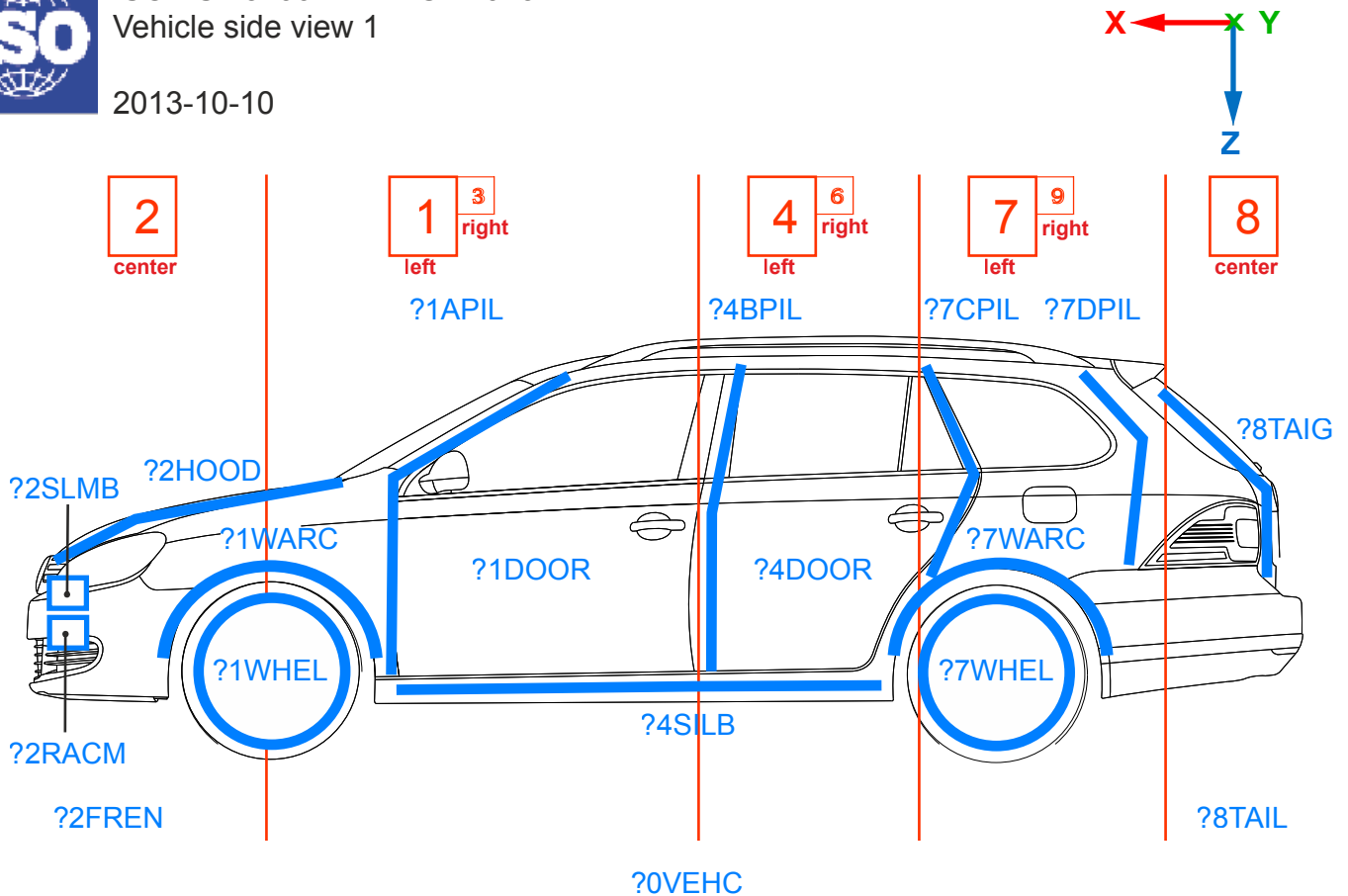
? ? SEAT Seat
 ? ? SEBA Seat Back
 ? ? SEFR Seat Frame
 ? ? SETR Seat Track
 ? ? SEAD Seat Adjuster
 ? ? SEPN Seat Pan
 ? ? HERE Head Restraint
 ? ? SECM Seat Cross Member
 ? ? SERM Seat Rail Mount



? ? TDSB Traction Device Shoulder Belt
? ? TDLB Traction Device Lap Belt

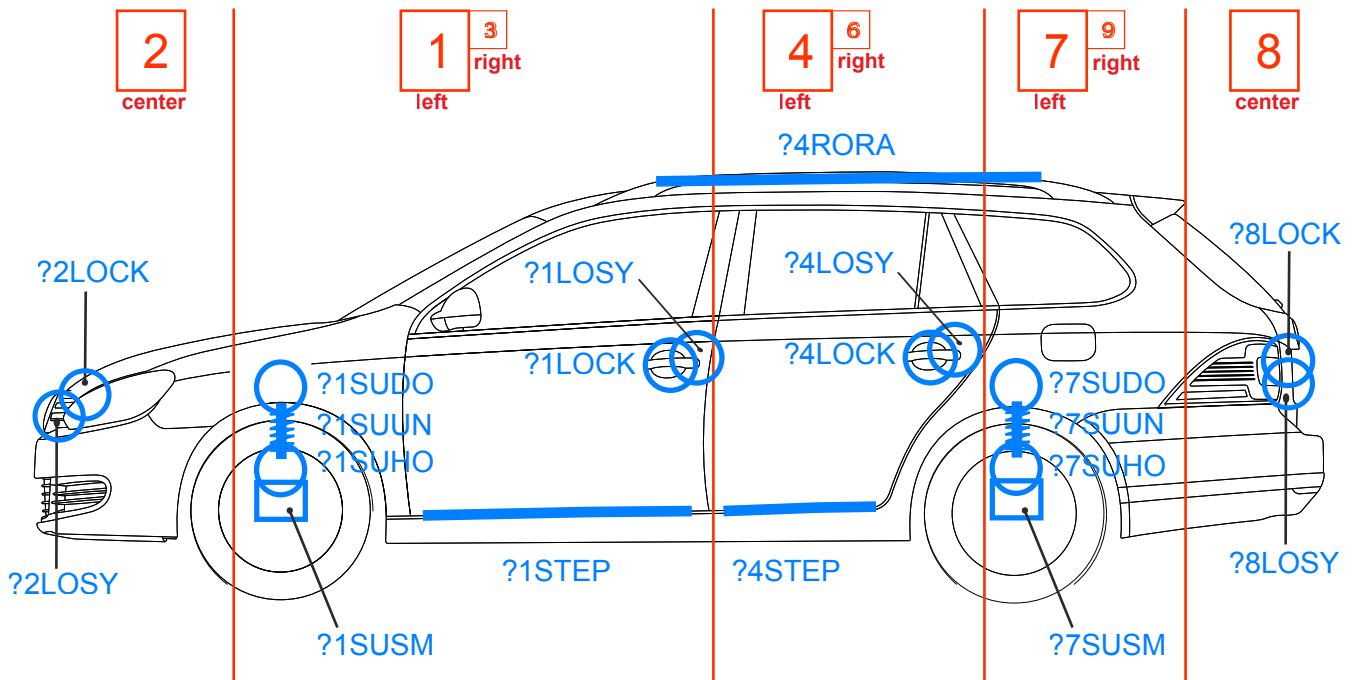
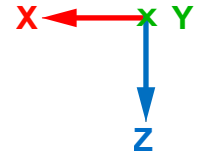
? ? CTAN Child Tether Anchorage
? ? CRAN Child Restraint Anchor
? ? CRSB Child Restraint Seat Belt
? ? TOPT Top Tether

? ? TOPT Top Tether



picture only from the left side of the video

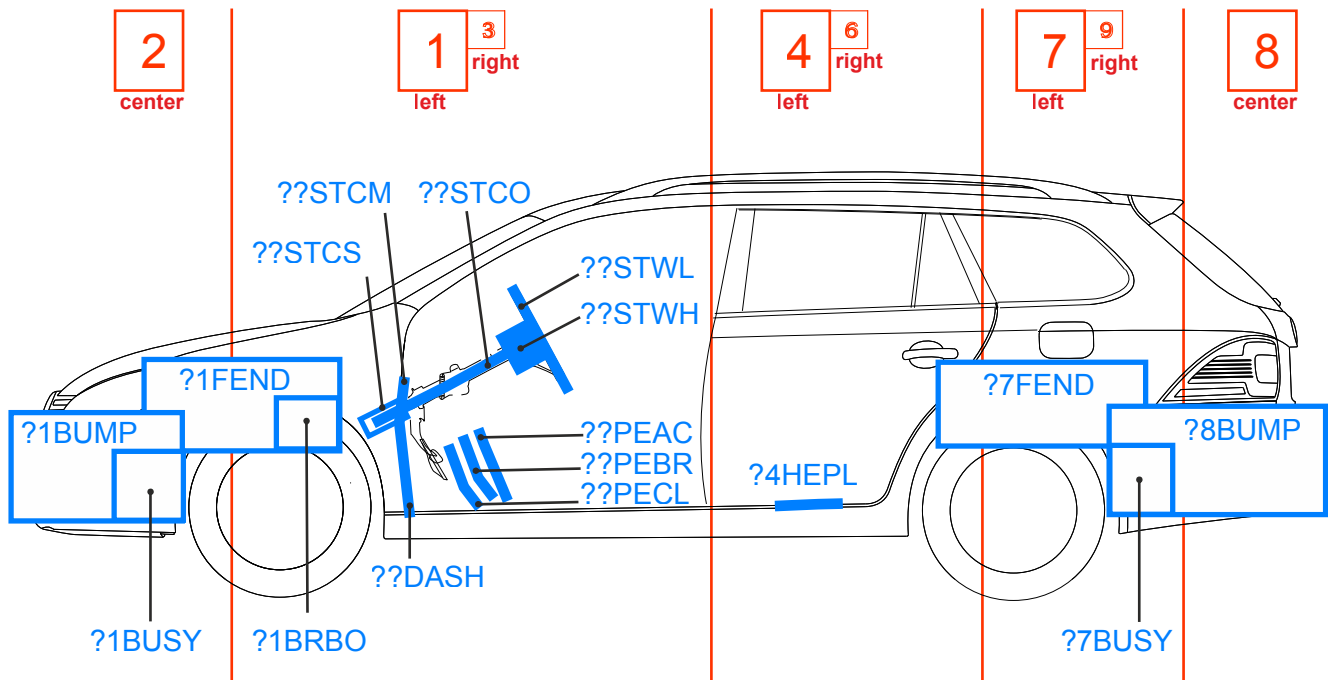
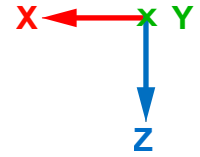
? 1 APIL	A-Pillar left	? 1 DOOR	Door front left
? 3 APIL	A-Pillar right	? 3 DOOR	Door front right
? 4 BPIL	B-Pillar left	? 4 DOOR	Door rear left
? 6 BPIL	B-Pillar right	? 6 DOOR	Door rear right
? 7 CPIL	C-Pillar left		
? 9 CPIL	C-Pillar right	? 2 HOOD	Hood
? 7 DPIL	D-Pillar left	? 8 TAIG	Tailgate
? 9 DPIL	D-Pillar right		
		? 0 VEHC	Vehicle
? 4 SILB	Sill Beam left	? 2 FREN	Frontend
? 6 SILB	Sill Beam right	? 8 TAIL	Tail
? 1 WHEEL	Wheel front left	? 2 SLMB	Slam Beam
? 3 WHEEL	Wheel front right	? 2 RACM	Radiator Cross Member
? 7 WHEEL	Wheel rear left		
? 9 WHEEL	Wheel rear right		
? 1 WARC	Wheel Arch front left		
? 3 WARC	Wheel Arch front right		
? 7 WARC	Wheel Arch rear left		
? 9 WARC	Wheel Arch rear right		



picture only from the left side of the video

? 1 LOSY	Locking System front left	? 1 SUDO	Suspension Dome front left
? 3 LOSY	Locking System front right	? 3 SUDO	Suspension Dome front right
? 4 LOSY	Locking System rear left	? 7 SUDO	Suspension Dome rear left
? 6 LOSY	Locking System rear right	? 9 SUDO	Suspension Dome rear right
? 2 LOSY	Locking System front		
? 8 LOSY	Locking System rear		
		? 1 SUUN	Suspension Unit front left
		? 3 SUUN	Suspension Unit front right
? 1 LOCK	Lock front left	? 7 SUUN	Suspension Unit rear left
? 3 LOCK	Lock front right	? 9 SUUN	Suspension Unit rear right
? 4 LOCK	Lock rear left		
? 6 LOCK	Lock rear right	? 1 SUHO	Suspen. Housing front left
? 2 LOCK	Lock front	? 3 SUHO	Suspen. Housing front right
? 8 LOCK	Lock rear	? 7 SUHO	Suspen. Housing rear left
		? 9 SUHO	Suspen. Housing rear right
? 4 RORA	Roof Rack left		
? 6 RORA	Roof Rack right		
		? 1 SUSM	Suspension Mount front left
? 1 STEP	Step front left	? 3 SUSM	Suspension Mount front right
? 3 STEP	Step front right	? 7 SUSM	Suspension Mount rear left
? 4 STEP	Step rear left	? 9 SUSM	Suspension Mount rear right
? 7 STEP	Step rear right		

2013-10-10



picture only from the left side of the video

?	?	STWL	Steering Wheel
?	?	STWH	Steering Wheel Hub
?	?	STCO	Steering Column
?	?	STCM	Steering Column Mount
?	?	STCS	Steering Column Suspension

? ? DASH Dash Panel

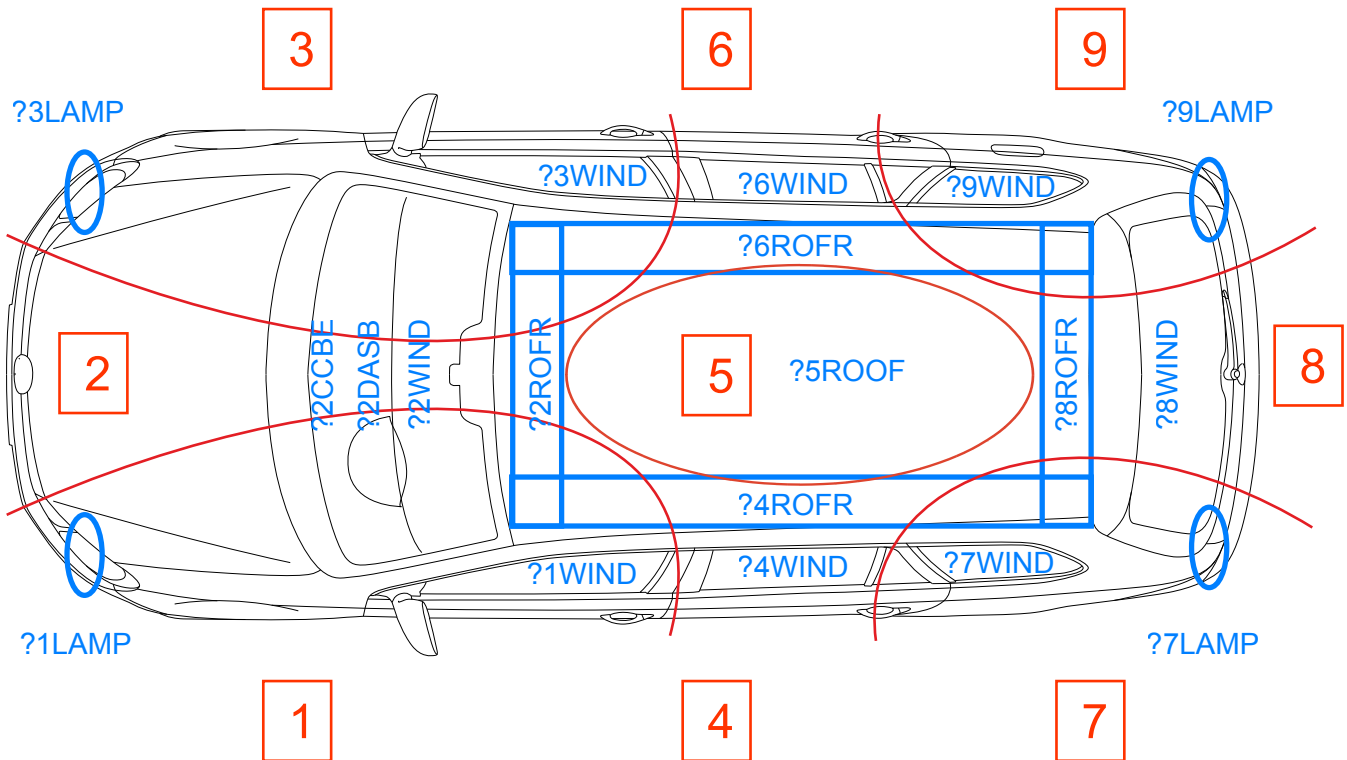
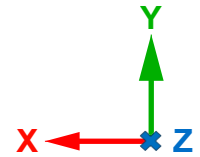
```
? ? PEAC Pedal Accelerator
? ? PEBR Pedal Brake
? ? PECL Pedal Clutch
? ? BRBO Brake Booster
```

```
? 1 FEND Fender front left
? 3 FEND Fender front right
? 7 FEND Fender rear left
? 9 FEND Fender rear right
```

```
? 2 BUMP Bumper front
? 8 BUMP Bumper rear
```

```
? 1 BUSY Bumper System front left
? 3 BUSY Bumper System front right
? 7 BUSY Bumper System rear left
? 9 BUSY Bumper System rear right
```

```
? 4 HEPL  Heel Plate left
? 6 HEPL  Heel Plate right
```

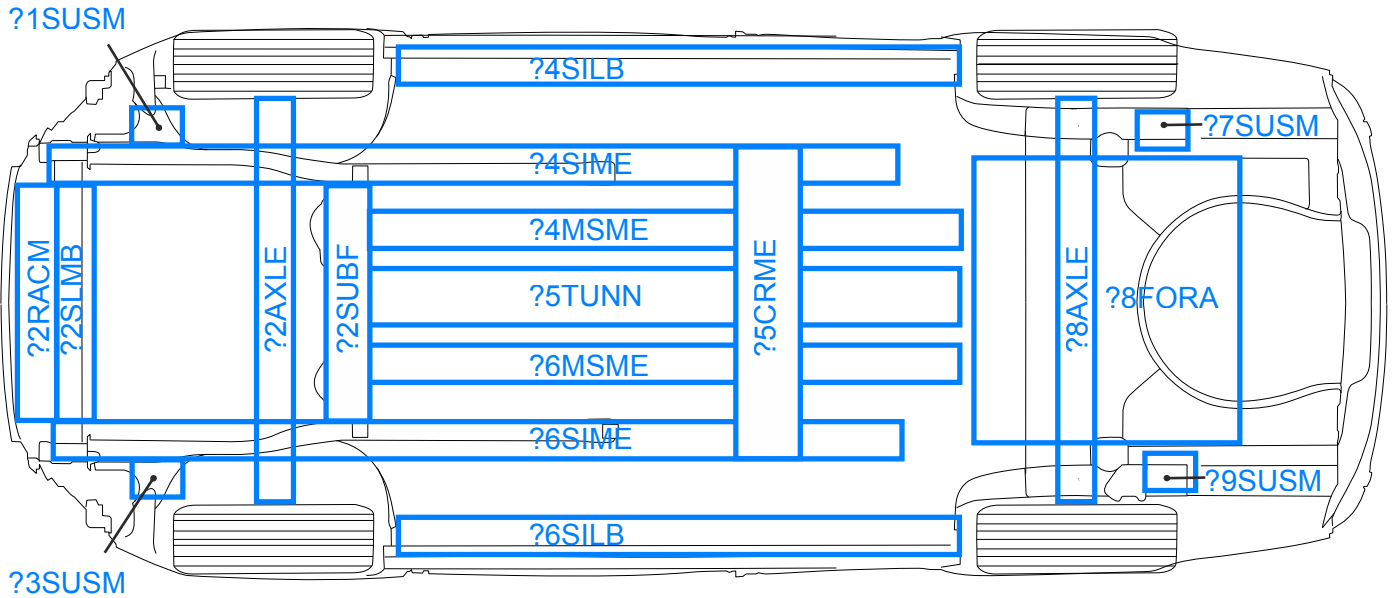
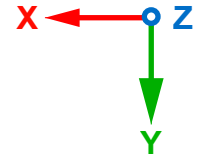


? 1 WIND Window front left
 ? 2 WIND Window front
 ? 3 WIND Window front right
 ? 4 WIND Window middle left
 ? 6 WIND Window middle right
 ? 7 WIND Window rear left
 ? 8 WIND Window rear
 ? 9 WIND Window rear right

? 1 LAMP Headlamp left
 ? 3 LAMP Headlamp right
 ? 7 LAMP Taillight left
 ? 9 LAMP Taillight right

? 5 ROOF Roof
 ? 2 ROFR Roof Frame front
 ? 4 ROFR Roof Frame left
 ? 6 ROFR Roof Frame right
 ? 8 ROFR Roof Frame rear

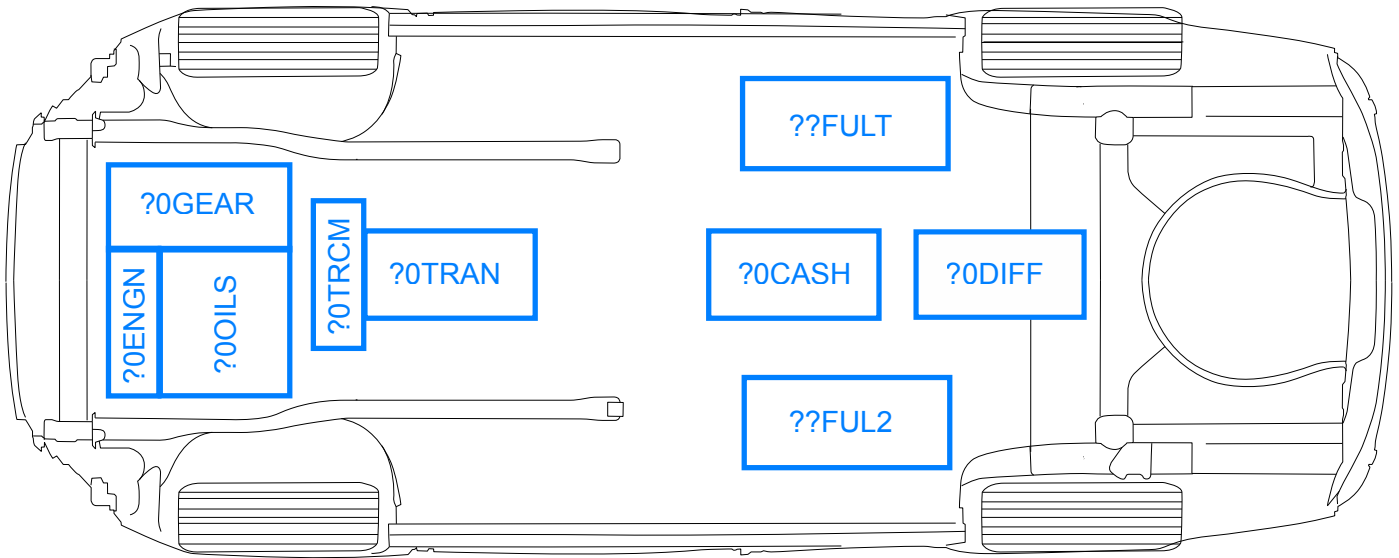
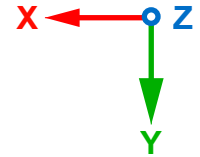
Below the windscreen
 ? 2 DASB Dash Board
 ? 2 CCBE Cross Car Beam



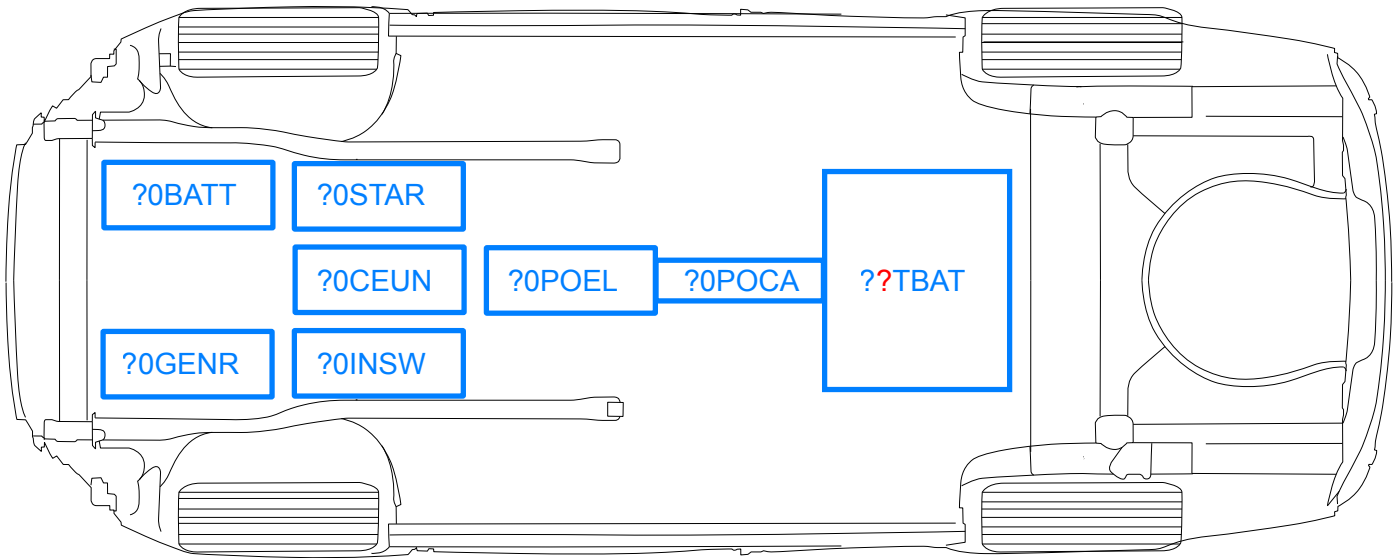
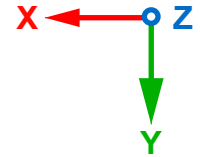
? 2 AXLE	Axle front
? 8 AXLE	Axle rear
? 8 FORA	Floor over rear Axle
? 2 RACM	Radiator Cross Member
? 2 SLMB	Slam Beam
? 2 SUBF	Subframe
? 1 SUSM	Suspension Mount front left
? 3 SUSM	Suspension Mount front right
? 7 SUSM	Suspension Mount rear left
? 9 SUSM	Suspension Mount rear right
? 5 CRME	Cross Member
? 4 SILB	Sill Beam left
? 6 SILB	Sill Beam right
? 4 SIME	Side Member left
? 6 SIME	Side Member right
? 4 MSME	Main Side Member left
? 6 MSME	Main Side Member right
? 5 TUNN	Tunnel

General Mainlocation

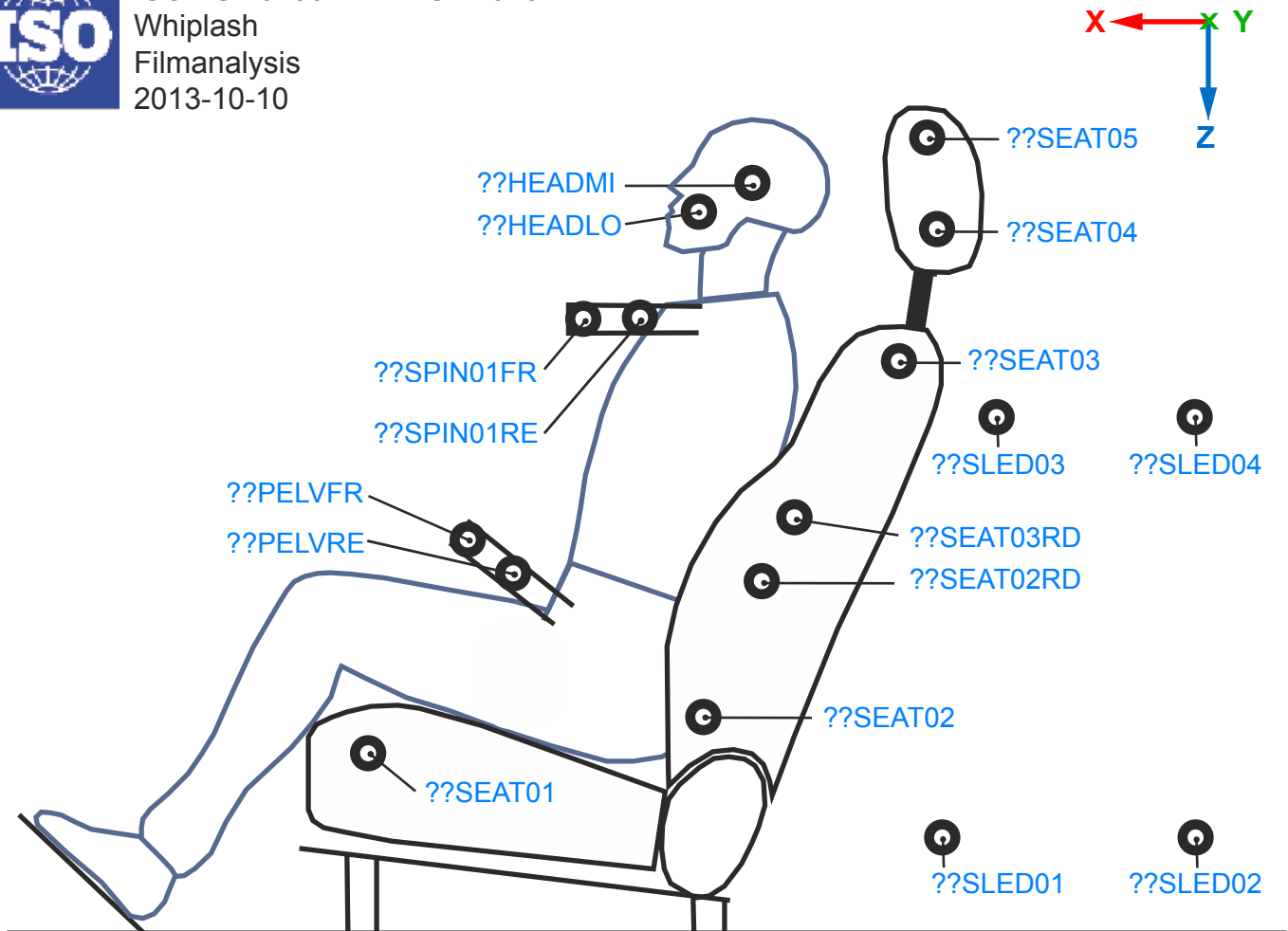
? ? FRAM	Frame
----------	-------



? 0 ENGN	Engine
? 0 GEAR	Gearbox
? 0 OILS	Oil Sump
? 0 TRCM	Transmission Cross Member
? 0 TRAN	Transmission
? 0 DIFF	Differential
? 0 CASH	Cardan Shaft
? ? FULT	Fuel Tank
? ? FUL2	Second Fuel Tank



? 0 BATT	Battery
? 0 GENR	Generator
? 0 STAR	Starter
? 0 INSW	Inertia Switch
? 0 CEUN	Central Unit
? 0 POEL	Power Electronics
? 0 POCA	Power Cable
? ? TBAT	Traction Battery



? ? SEAT 01 00 00 DS ? V	ST1	Seat Base forward
? ? SEAT 02 00 00 DS ? V	ST2	Seat Back lower
? ? SEAT 02 RD 00 DS ? V	ST2'	Seat Back mid #1
? ? SEAT 03 00 00 DS ? V	ST3	Seat Back upper
? ? SEAT 03 RD 00 DS ? V	ST3'	Seat Back mid #2
? ? SEAT 04 00 00 DS ? V	ST4	Lower Head Restraint
? ? SEAT 05 00 00 DS ? V	ST5	Upper Head Restraint
? ? HEAD MI 00 BR DS ? V	DT6	Head CoG
? ? HEAD LO 00 BR DS ? V	DT7	Cheek
? ? SPIN 01 RE BR DS ? V	DT8	T1 Bracket proximal
? ? SPIN 01 FR BR DS ? V	DT9	T1 Bracket distal
? ? PELV RE 00 BR DS ? V	DT10	Pelvis Bracket proximal
? ? PELV FR 00 BR DS ? V	DT11	Pelvis Bracket distal
? 0 SLED 01 00 00 DS ? V	Ref1	Reference Point #1
? 0 SLED 02 00 00 DS ? V	Ref2	Reference Point #2
? 0 SLED 03 00 00 DS ? V	Ref3	Reference Point #3
? 0 SLED 04 00 00 DS ? V	Ref4	Reference Point #4
Possible values for the direction are X, Y, Z and R		
Possible values for the test object are S and 1		

S 0 HEAD 00 DI BR VE X V Rebound velocity of head relative to sled