



SUTPHEN CORPORATION

2022 SUTPHEN CHASSIS

**NO ONE BUILDS A
CHASSIS SYSTEM LIKE
SUTPHEN**





EXTREME DUTY CHASSIS

Since 1968, our experience and focus on the fire service have driven Sutphen to build the industry's most Extreme Duty Chassis. Every inch of our custom chassis is built to withstand the most severe firefighting conditions. From cab construction, with heavy wall 6061 T6 aluminum extrusions and heavy duty aluminum plate, to the steel box tube design Subframe under cab, our chassis provides superior crash protection and is fully certified to meet all ASME and ECE standards. Our standard double frame rails, cross members, and suspension hangers are Huck Bolted with Magni-coated Grade 8 fasteners, and are bead blasted to prep the surface for better adhesion of the Cathacoat primer and durable Imron top coat paint to ensure that it will be long lasting and safe from corrosion. Additionally, Raptor skin coating is applied to the frame before the pump is installed, for additional corrosion resistance. The front and rear suspension work together resulting in superior handling, a smoother ride, and better turning radius. Interior durability is just as important. We utilize high quality, extreme duty products to provide a rugged interior. There are no plastic trim panels, only heavy duty Durawear seats, headliners, and back wall; full length stainless steel interior door panels; and, durable urethane coated dash, switch console, and engine hood. The bumper is 10-gauge #304 Stainless steel, reinforced with a ¼" steel plate for added crash protection. The grille and headlight housings are 14-gauge #304 stainless steel, never plastic, for durability, and give the chassis that classic Sutphen look. From the moment you see it, you know it's a Sutphen, and it's built to last.

THERE'S NOTHING LIKE A SUTPHEN.



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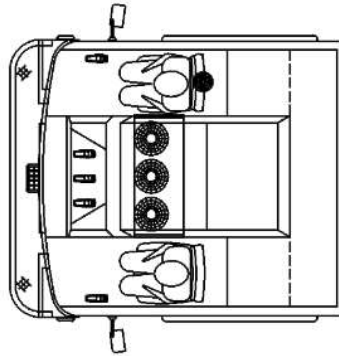
Cab Models (Option Group: 110)

OPTION	DESCRIPTION
11023200	CAB TSAL4 56" FLAT
11023210	CAB TSAL4A 56" 10" RR 1/2
11023230	CAB TSAL4C 56" 15" RR 1/2
11023235	CAB TSAL4O 56" 20" RR 1/2
11023240	CAB TSAL4D 73" FLAT
11023250	CAB TSAL4E 73" 10" RR 1/2
11023255	CAB TSAL4ES 73" 10" RR 1/2 (SPLIT)
11023270	CAB TSAL4G 73" 15" RR 1/2
11023275	CAB TSAL4P 73" 20" RR 1/2
11023291	CAB TSAL4J 62" FLAT
11023292	CAB TSAL4K 62" 10" RR 1/2
11023294	CAB TSAL4M 62" 15" RR 1/2
11023296	CAB TSAL4N 62" 20" RR 1/2
11023297	CAB TSAL4KS 62" 10" RR 1/2 (SPLIT)
11023300	CAB TSAL4T 36" FLAT
11023310	CAB TSAL4U 36" 10" RR 1/2
11024200	CAB TSAL4S 56" FLAT
11024210	CAB TSAL4SA 56" 10" RR 1/2
11024240	CAB TSAL4SD 73" FLAT
11024250	CAB TSAL4SE 73" 10" RR 1/2
11024270	CAB TSAL4SG 73" 15" RR 1/2
11024291	CAB TSAL4SJ 62" FLAT
11024292	CAB TSAL4SK 62" 10" RR 1/2
11024294	CAB TSAL4SM 62" 15" RR 1/2

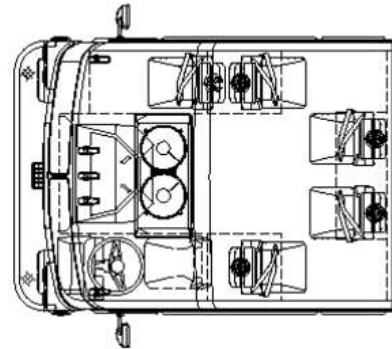
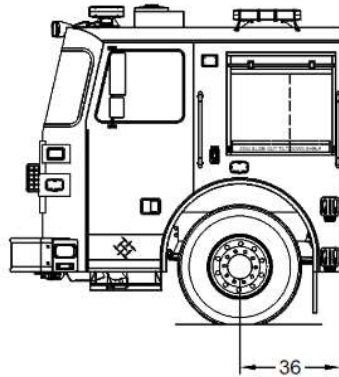
Cab Model Sizes:

- Overall width will be 98"
- Cab extensions range from 36" – 73"
- Flat, half, and split raised roof designs are available depending on truck model
- Slant back models provided for mid-mount Aerial truck models

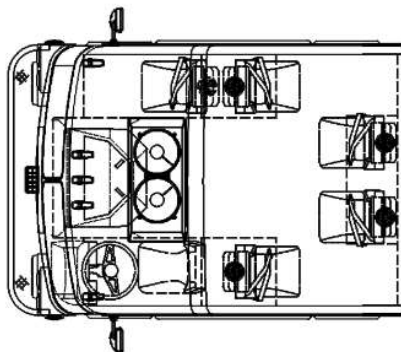
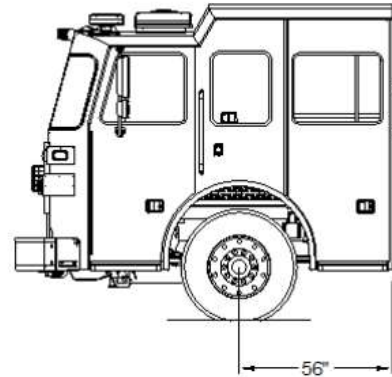
Cab Models, Cont'd (Option Group: 110)



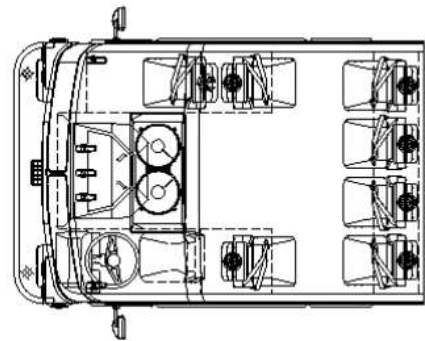
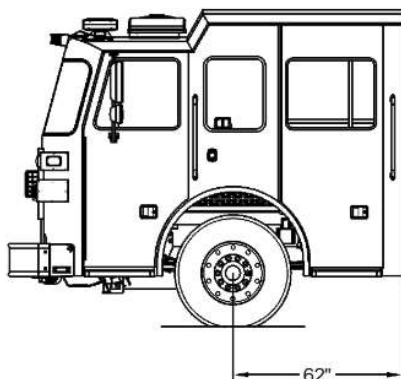
36"/2-man cab



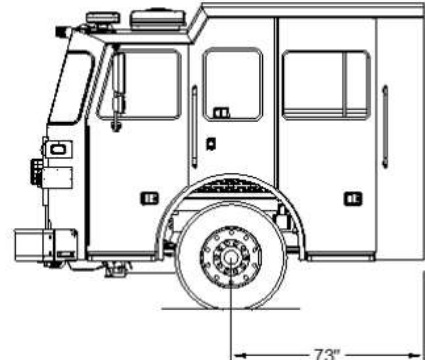
56" Cab, up to 6 seat positions



62" Cab, up to 6 seat positions



73" Cab, up to 8 seat positions



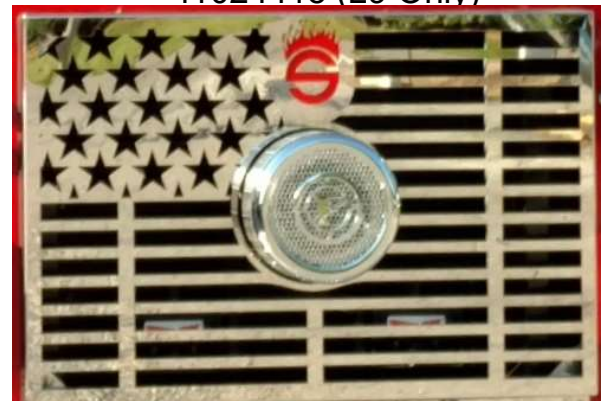
Cab Grilles (Option Group: 110)

OPTION	DESCRIPTION
11024400	UPPER GRILLE, LEVEL STYLE FACADE (L9)
11024405	UPPER GRILLE, LEVEL STYLE FACADE (X12/X15)
11024410	UPPER GRILLE, TUBULAR STYLE FACADE (L9)
11024415	UPPER GRILLE, AMERICAN FLAG LEVEL STYLE FACADE (L9)
11024420	UPPER GRILLE, AMERICAN FLAG LEVEL STYLE FACADE (X12/X15)
11024425	UPPER GRILLE, AMERICAN FLAG TUBULAR STYLE FACADE (L9)

11024400 (L9 Only)



11024415 (L9 Only)



11024405 (X12/15)



11024420 (X12/X15)



11024410 (L9 Only)



11024425 (L9 Only)





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Cab Grilles, Cont'd (Option Group: 110)

OPTION	DESCRIPTION
11024500	FLAMING "S" LOGO, UPPER GRILLE, REFLECTIVE RED
11024510	FLAMING "S" LOGO, UPPER GRILLE, ILLUMINATED RED
11024600	LOWER GRILLE, POLISHED STAINLESS (L9)
11024602	LOWER GRILLE, POLISHED STAINLESS, FOR TUBULAR GRILLE (L9)
11024605	LOWER GRILLE, POLISHED STAINLESS (X12/X15)
11024610	LOWER GRILLE, POLISHED STAINLESS, LASER CUT LETTERING
11024615	LOWER GRILLE, POLISHED STAINLESS, LASER CUT LETTERING W/ BACKLIGHTING

11024500/11024510



11024600 (L9 Only)



11024602 (L9 Only)



11024605 (X12/15)



11024610/11024615





Cab Rear Wall Walk-thru (Option Group: 110)

<u>OPTION</u>	<u>DESCRIPTION</u>
11030250	CAB REAR WALL WALK THRU



Cab Tilt & Lockdown (Option Group: 110)

OPTION	DESCRIPTION
11030950	CAB LOCKDOWN LATCHES
11030960	CAB LOCKDOWN LATCHES W/INTERLOCK & INDICATOR LIGHT
11031000	CAB TILT SYSTEM, MANUAL PULL CABLE
11031025	CAB TILT SYSTEM, AIR CONTROL VALVE
11031026	CAB TILT SYSTEM, AIR CONTROL VALVE WITH 2-POSITION LOCKOUT
11031050	ALARM TO SOUND WHEN CAB IS TILTING
11031060	REMOTE CONTROLLED TILT
11031100	MANUAL BACK-UP TILT SYSTEM

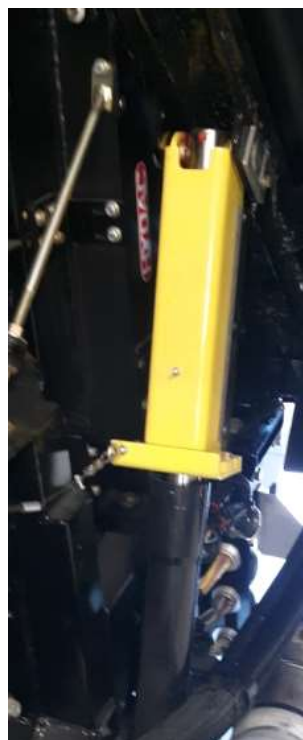
11030950



11031025 Cab Tilt Controls In Bumper



11031000
w/manual pull
cable



11031025
w/air switch





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Cab Door Options (Option Group: 110)

OPTION	DESCRIPTION
11031350	CAB DOORS, FULL LENGTH (4)
11031351	CAB DOORS, FULL LENGTH (2)
11031355	CAB DOORS, BARRIER STYLE (4)
11031356	CAB DOORS, BARRIER STYLE (2)
11031362	LOWER CAB STEP WELLS, RAPTOR (GRAY) & TREADPLATE BACK WALL (EA)
11031363	LOWER CAB STEP WELLS, RAPTOR (GRAY) & TREADPLATE BACK & SIDE WALLS (EA)
11031364	LOWER CAB STEP WELLS, RAPTOR (BLACK) & TREADPLATE BACK WALL (EA)
11031365	LOWER CAB STEP WELLS, RAPTOR (BLACK) & TREADPLATE BACK & SIDE WALLS (EA)
11031366	LOWER CAB STEP WELLS, RAPTOR (TRUCK COLOR) & TREADPLATE BACK WALL (EA)
11031367	LOWER CAB STEP WELLS, RAPTOR (TRUCK COLOR) & TREADPLATE BACK WALL & SIDE WALLS (EA)

11031350
(11031351 applies to 2 Man/36" Cab)



11031355
(11031356 applies to 2 Man/36" Cab)



11031362



11031367





Cab, Keyless Entry (Option Group: 110)

OPTION	DESCRIPTION
11031375	CAB DOOR LOCKS, ELECTRIC (KEYLESS ENTRY)
11031380	KEYLESS ENTRY OVERRIDE

11031375





Cab Door Step Options (Option Group: 110)

OPTION	DESCRIPTION
11031385	CAB STEPS, LOWER GRIP STRUT, INTERMEDIATE DIAMONDPLATE
11031386	CAB STEPS, LOWER & INTERMEDIATE DIAMONDPLATE
11031387	CAB STEPS, LOWER GRIP STRUT, INTERMEDIATE DIAMONDPLATE
11031388	STEP, SIDE OF CAB, IC FOLD DOWN W/LIGHT (1)
11031389	STEPS, SIDE OF CAB, IC FOLD DOWN W/LIGHT (2)
11031390	AUXILIARY CAB STEPS, ALUM, GRIP STRUT (SET OF 4)
11031391	AUXILIARY CAB STEPS, ALUM, GRIP STRUT (SET OF 2)

11031385/11031387



11031386



11031388 (2 Man Cab Only)



11031390/11031391





Cab Back Wall Step Options (Option Group: 110)

OPTION	DESCRIPTION
11031392	STEPS, REAR OF CAB, IC FOLD DOWN W/LIGHT (4) DS ONLY
11031393	STEPS, REAR OF CAB, IC FOLD DOWN W/LIGHT (4) OS ONLY
11031394	STEPS, REAR OF CAB, IC FOLD DOWN W/LIGHT (4) DS & (4) OS

11031393



Cab Door Step Light Options (Option Group: 110)

OPTION	DESCRIPTION
11031396	CAB STEP LIGHTING, FEDERAL SIGNAL COMPLEX LED STRIP LIGHTS
11031399	CAB STEP LIGHTING, TECNIQ E45 LED STRIP LIGHTS

11031396 (Federal Signal LED Strip Lights)



11031399 (Tecniq E45 LED Strip Lights)

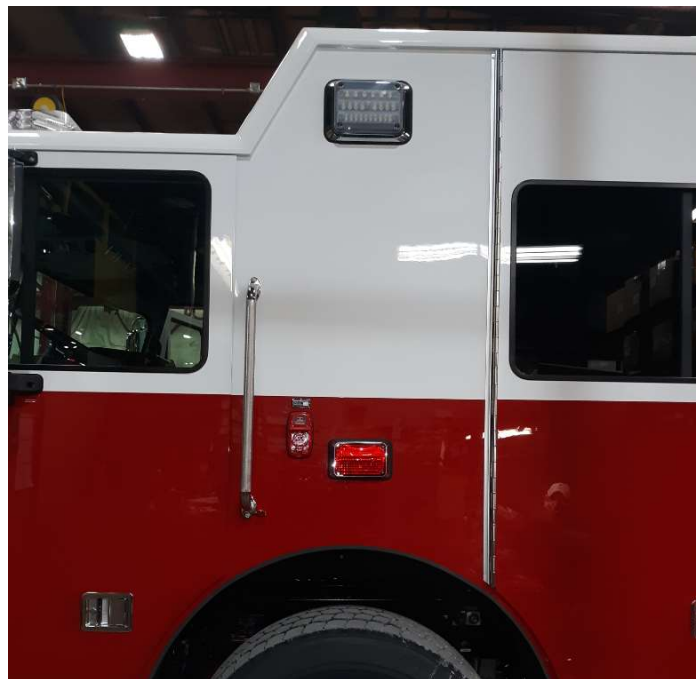




Cab Side Window Options (Option Group: 110)

OPTION	DESCRIPTION
11031400	DELETE CAB SIDE WINDOWS
11031401	CAB SIDE WINDOWS, FIXED, BOTH SIDES
11031405	CAB SIDE WINDOWS, FIXED, DRIVER'S SIDE ONLY
11031406	CAB SIDE WINDOWS, FIXED, OFFICER'S SIDE ONLY

11031400 (No cab side windows)



11031401/11031405/11031406





Cab Door Window Operation Options (Option Group: 110)

OPTION	DESCRIPTION
11031419	CAB DOOR WINDOWS, MANUAL (4)
11031421	CAB DOOR WINDOWS, POWER (4)
11031425	CAB DOOR WINDOWS, POWER W/AUTO ROLL-UP, WHEN PUMP IS ENGAGED (4)
11031426	CAB DOOR WINDOWS, MANUAL (2)
11031427	CAB DOOR WINDOWS, POWER (2)

11031419 (11031426
applies to 2 Man/36" Cab)



11031421 (11031427
applies to 2 Man/36" Cab)





Cab Back Wall Window Options (Option Group: 110)

OPTION	DESCRIPTION
11031440	TWO SLIDING WINDOWS IN BACK WALL OF CAB APPROX 16.25" X 14.25"
11031445	TWO FIXED WINDOWS IN BACK WALL OF CAB APPROX 11.25" X 5.25" OVAL
11031446	TWO FIXED WINDOWS IN SLANT PORTION OF CAB APPROX 11.25" X 5.25" OVAL
11031450	TWO SLIDING WINDOWS IN BACK WALL OF CAB APPROX 16.25" X 14.25"
11031455	TWO FIXED WINDOWS IN BACK WALL OF CAB APPROX 5.25" X 11.25" OVAL
11031460	NO WINDOWS, BACK WALL OF CAB

11031440/11031450



11031445/11031455



11031446





Cab Window Tint Options (Option Group: 110)

<u>OPTION</u>	<u>DESCRIPTION</u>
11031465	WINDOW TINTING (LIMO TINT 8%) - EACH

Standard window tint:



11031465 Limo window tint:





Cab Crew Upper Door Window Options (Option Group: 110)

OPTION	DESCRIPTION
11031481	WINDOW IN UPPER CREW DOORS (FLAT BACK, RR)
11031482	WINDOW IN UPPER CREW DOORS (SLANT BACK, RR)

11031481
(11031482
applies to slant
back/Aerial cab):





Cab Storage – In front of Officer (Option Group: 110)

OPTION	DESCRIPTION
11031509	GLOVE BOX, FDNY STYLE
11031510	FLAT WORK SURFACE IN LIEU OF GLOVE BOX
11031512	COMPUTER TRAY IN LIEU OF GLOVE BOX
11031515	COMPUTER TRAY W/STATIONARY STORAGE

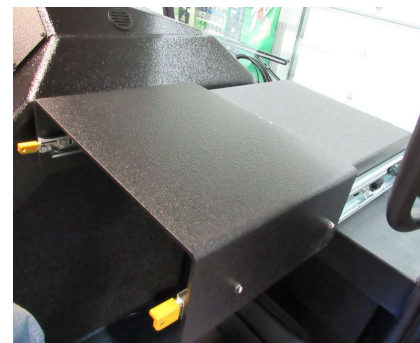
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11031512:



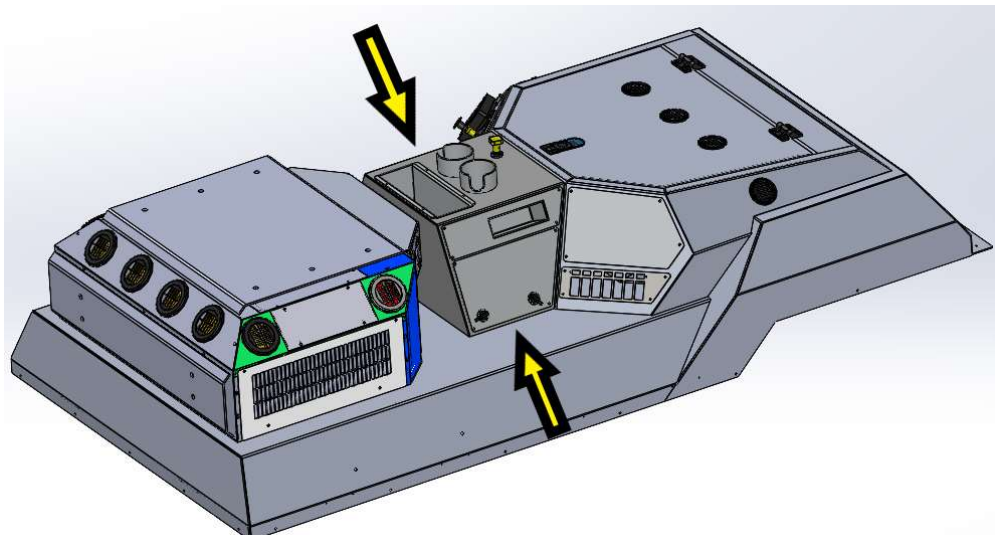
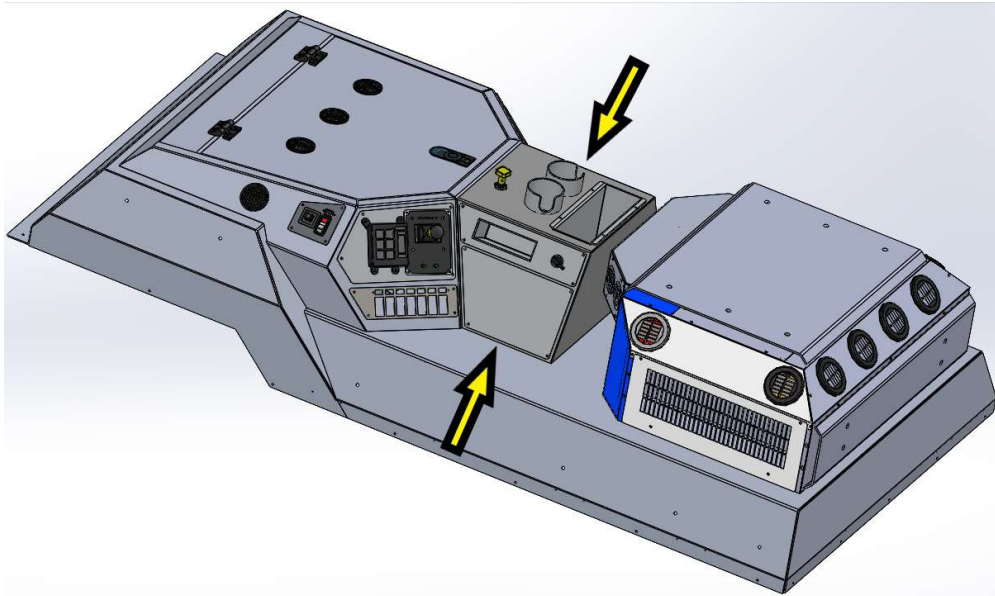
11031515:



Cab Storage – On Engine Hood, X15 Powertrain (Option Group: 110)

OPTION	DESCRIPTION
11031550	CENTER CONSOLE EXTENSION
11031560	TOP OF EXTENSION, FLAT SURFACE
11031561	TOP OF EXTENSION, CUP HOLDERS (2)
11031562	TOP OF EXTENSION, STORAGE SLOT
11031563	TOP OF EXTENSION, CUP HOLDERS (2) AND STORAGE SLOT
11031570	SIDES OF EXTENSION, FLAT
11031571	SIDE OF EXTENSION, DRIVER'S SIDE STORAGE SLOT
11031572	SIDE OF EXTENSION, OFFICER'S SIDE STORAGE SLOT
11031573	SIDES OF EXTENSION, DRIVER & OFFICER'S SIDE STORAGE SLOTS

11031550 (Center Console for Cummins X15 Powertrain):



Cab Storage – On Engine Hood, X15 Powertrain (Option Group: 110)

OPTION	DESCRIPTION
11031550	CENTER CONSOLE EXTENSION
11031560	TOP OF EXTENSION, FLAT SURFACE
11031561	TOP OF EXTENSION, CUP HOLDERS (2)
11031562	TOP OF EXTENSION, STORAGE SLOT
11031563	TOP OF EXTENSION, CUP HOLDERS (2) AND STORAGE SLOT
11031570	SIDES OF EXTENSION, FLAT
11031571	SIDE OF EXTENSION, DRIVER'S SIDE STORAGE SLOT
11031572	SIDE OF EXTENSION, OFFICER'S SIDE STORAGE SLOT
11031573	SIDES OF EXTENSION, DRIVER & OFFICER'S SIDE STORAGE SLOTS

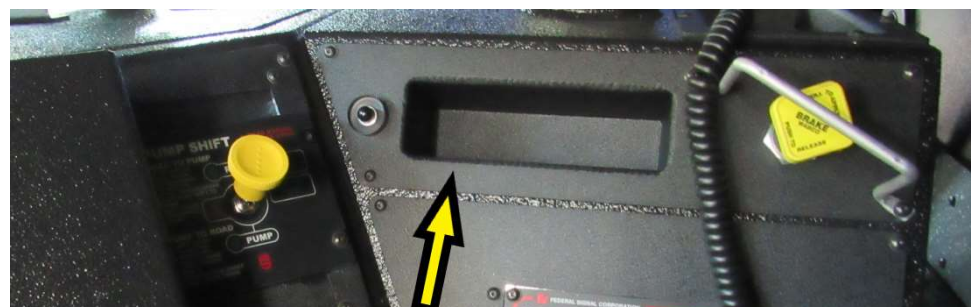
11031561:



11031563:



11031571:



Cab Storage – On Engine Hood, L9 & X12 Powertrain (Option Group: 110)

<u>OPTION</u>	<u>DESCRIPTION</u>
11031670	NO STORAGE ON ENGINE ENCLOSURE
11031677	CENTER CONSOLE NOT PROVIDED
11031679	CENTER CONSOLE, TOP OF ENGINE ENCLOSURE
11031680	CENTER CONSOLE W/MAP BOOK STORAGE, TOP OF ENGINE ENCLOSURE
11031681	TOOL MOUNTING PLATE, TOP OF ENGINE ENCLOSURE
11031682	TOOL TRAY W/1" LIP, TOP OF ENGINE ENCLOSURE

11031679:



11031680:



Cab Storage – On Heat-AC Unit (Option Group: 110)

OPTION	DESCRIPTION
11031685	TOP HEAT/AC STORAGE, MAP BOOK COMPARTMENT
11031686	TOP HEAT/AC STORAGE, TOOL TRAY, 24.5" x 18.5" W/2" LIP
11031687	TOP HEAT/AC STORAGE, TOOL MOUNTING PLATE, 25" x 19.5"

11031685:



11031686:



11031687:



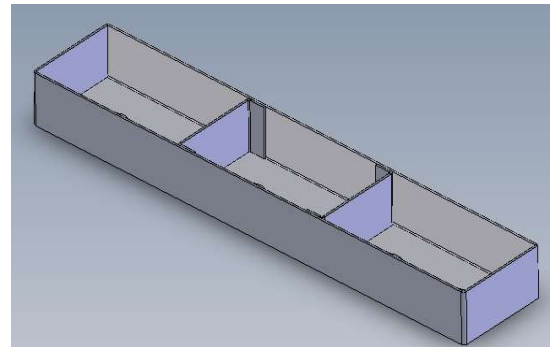
Cab Storage – Back Of Heat-AC Unit (Option Group: 110)

OPTION	DESCRIPTION
11031691	REAR HEAT/AC STORAGE, 3 EMS GLOVE HOLDERS
11031692	REAR HEAT/AC STORAGE, 3 EMS GLOVE HOLDERS, HORIZONTAL
11031693	REAR HEAT/AC STORAGE, 3 SLOTS (2 EMS, 1 LARGE)
11031694	REAR HEAT/AC STORAGE, 4 SLOTS (2 EMS, 2 MEDIUM)
11031695	REAR HEAT/AC STORAGE, 5 SLOTS (4 SMALL, 1 LARGE)
11031696	REAR HEAT/AC STORAGE, 5 SLOTS (3 SMALL, 2 MEDIUM), SLANTED CORNERS

11031691:



11031692



11031693:



11031694:



11031695:



11031696:





Cab – Upper Crew Door Options (Option Group: 110)

OPTION	DESCRIPTION
11031701	UPPER CREW DOOR AREA, GLOVE BOX HOLDERS (SLANT BACK)
11031702	UPPER CREW DOOR AREA, GLOVE BOX HOLDERS (FLAT BACK)
11031710	UPPER CREW DOOR AREA, SMOOTH PANEL
11031712	UPPER CREW DOOR AREA, OPEN
11031715	UPPER CREW DOOR AREA - N/A WITH WINDOWS SELECTED

11031701:



11031702:



Overhead Storage Cabinets (Option Group: 110)

OPTION	DESCRIPTION
11031740	OVERHEAD STORAGE, FRONT OF 10" RR W/NET
11031741	OVERHEAD STORAGE, FRONT OF 10" RR W/NET, CENTER ONLY
11031744	OVERHEAD STORAGE, FRONT OF 10" RR W/DOORS, CENTER ONLY
11031745	OVERHEAD STORAGE, FRONT OF 10" RR W/DOORS
11031746	OVERHEAD STORAGE, REAR OF 10" RR W/NET
11031747	OVERHEAD STORAGE, REAR OF 10" RR W/DOORS
11031748	OVERHEAD STORAGE, REAR OF 10" RR W/NET, CENTER ONLY
11031749	OVERHEAD STORAGE, REAR OF 10" RR W/DOORS, CENTER ONLY
11031750	OVERHEAD STORAGE, FRONT OF 15" RR W/NET
11031751	OVERHEAD STORAGE, FRONT OF 15" RR W/NET, CENTER ONLY
11031754	OVERHEAD STORAGE, FRONT OF 15" RR W/DOORS, CENTER ONLY
11031755	OVERHEAD STORAGE, FRONT OF 15" RR W/DOORS
11031756	OVERHEAD STORAGE, REAR OF 15" RR W/DOORS
11031757	OVERHEAD STORAGE, REAR OF 15" RR W/NET
11031758	OVERHEAD STORAGE, REAR OF 15" RR W/NET, CENTER ONLY
11031759	OVERHEAD STORAGE, REAR OF 15" RR W/DOORS, CENTER ONLY
11031760	OVERHEAD STORAGE, FRONT OF 20" RR W/NET
11031761	OVERHEAD STORAGE, FRONT OF 20" RR W/NET, CENTER ONLY
11031764	OVERHEAD STORAGE, FRONT OF 20" RR W/DOORS, CENTER ONLY
11031765	OVERHEAD STORAGE, FRONT OF 20" RR W/DOORS
11031766	OVERHEAD STORAGE, REAR OF 20" RR W/DOORS
11031767	OVERHEAD STORAGE, REAR OF 20" RR W/NET
11031768	OVERHEAD STORAGE, REAR OF 20" RR W/NET, CENTER ONLY
11031769	OVERHEAD STORAGE, REAR OF 20" RR W/DOORS, CENTER ONLY

Flip-up Doors:



Netting:



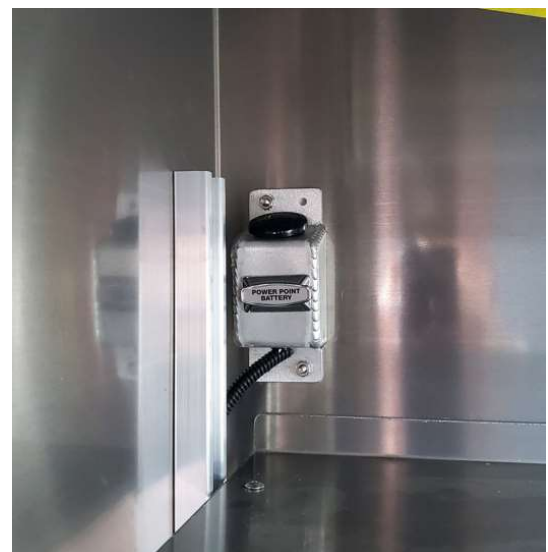


EMS Cabinets (Option Group: 110)

<u>OPTION</u>	<u>DESCRIPTION</u>
11031800	EMS CABINET, FORWARD FACING, SINGLE
11031806	EMS CABINET, OUTWARD FACING, FLAT ROOF
11031808	EMS CABINET, OUTWARD FACING, RAISED ROOF
11031814	EMS CABINET, FORWARD FACING, SINGLE (AERIAL)
11031821	EMS CABINET, REAR FACING, BEHIND DRIVER
11031822	EMS CABINET, REAR FACING, BEHIND OFFICER
11031825	EMS CABINET, FORWARD FACING, DOUBLE ON CREW SEAT RISER (AERIAL)
11031827	EMS CABINET, FORWARD FACING, DOUBLE ON CREW SEAT RISER (FLAT ROOF)
11031828	EMS CABINET, FORWARD FACING, DOUBLE ON CREW SEAT RISER (RAISED ROOF)

- Available with ROM or Amdor doors, or netting (specify on Shop Order)
- EMS color/ finish will match cab interior color

11031821 W/12V Power Point:





EMS Cabinets, cont'd (Option Group: 110)

OPTION	DESCRIPTION
11031841	EMS CABINET, REAR FACING, EXTERIOR ROLL-UP
11031842	EMS CABINET, REAR FACING, EXTERIOR HINGED
11031910	EXTERIOR ROLL-UP DOOR, ROM, NON-PAINTED
11031915	EXTERIOR ROLL-UP DOOR, ROM, PAINTED
11031920	EXTERIOR ROLL-UP DOOR, AMDOR, NON-PAINTED
11031925	EXTERIOR ROLL-UP DOOR, AMDOR, PAINTED
11031930	EXTERIOR DOOR, HINGED
11031940	EXTERIOR ROLL-UP DOOR, ROM, NON-PAINTED
11031945	EXTERIOR ROLL-UP DOOR, ROM, PAINTED
11031950	EXTERIOR ROLL-UP DOOR, AMDOR, NON-PAINTED
11031955	EXTERIOR ROLL-UP DOOR, AMDOR, PAINTED

11032200	INTERIOR ACCESS, NOT PROVIDED
11032210	INTERIOR ACCESS, BLACK WEBBING
11032220	INTERIOR ACCESS, ALUMINUM HINGED DOOR
11032240	INTERIOR ACCESS, ROLL-UP DOOR, ROM
11032250	INTERIOR ACCESS, ROLL-UP DOOR, AMDOR

11032311	ADJUSTABLE SHELF, EMS COMPT (1)
11032312	ADJUSTABLE SHELVES, EMS COMPT (2)
11032313	ADJUSTABLE SHELVES, EMS COMPT (3)

11031841

Not recommended due to height/reach limitations



11032220:



11032312:





Cab Exterior Compartments, 73" Cab (Option Group: 110)

<u>OPTION</u>	<u>DESCRIPTION</u>
11032000	EXTERIOR COMPT, NOT PROVIDED, DS
11032005	EXTERIOR COMPT, SIDE OF EXT CAB, 24" H, DS
11032010	EXTERIOR COMPT, SIDE OF EXT CAB, 38" H, DS
11032015	EXTERIOR COMPT, SIDE OF EXT CAB, 38" H, DS W/CLEAN CAB SLIDE-OUT
11032021	EXTERIOR COMPT, SIDE OF EXT CAB, 66" H, DS
11032026	EXTERIOR COMPT, SIDE OF EXT CAB, 84" H, DS
11032035	EXTERIOR COMPT, SIDE OF 36" CAB, DS
11032050	EXTERIOR COMPT, NOT PROVIDED, OS
11032055	EXTERIOR COMPT, SIDE OF EXT CAB, 24" H, OS
11032060	EXTERIOR COMPT, SIDE OF EXT CAB, 38" H, OS
11032065	EXTERIOR COMPT, SIDE OF EXT CAB, 38" H, OS W/CLEAN CAB SLIDE-OUT
11032071	EXTERIOR COMPT, SIDE OF EXT CAB, 66" H, OS
11032076	EXTERIOR COMPT, SIDE OF EXT CAB, 84" H, OS
11032085	EXTERIOR COMPT, SIDE OF 36" CAB, OS
11032100	NO OPENING TO CREW SEAT COMPT
11032110	OPENING TO DRIVER'S SIDE CREW SEAT COMPT
11032120	OPENING TO OFFICER'S SIDE CREW SEAT COMPT
11032145	FULL HEIGHT TRANSVERSE 66" H
11032155	FULL HEIGHT TRANSVERSE 84" H



Cab Exterior Compartments, 73" Cab, cont'd (Option Group: 110)

OPTION	DESCRIPTION
11032200	INTERIOR ACCESS, NOT PROVIDED
11032210	INTERIOR ACCESS, BLACK WEBBING
11032220	INTERIOR ACCESS, ALUMINUM HINGED DOOR
11032240	INTERIOR ACCESS, ROLL-UP DOOR, ROM
11032250	INTERIOR ACCESS, ROLL-UP DOOR, AMDOR
11032300	PIKE POLE STORAGE, EXTERIOR CAB COMPT
11032310	ADJUSTABLE SHELF, EXTERIOR CAB COMPT (EA)
11032311	ADJUSTABLE SHELF, EMS COMPT (1)
11032312	ADJUSTABLE SHELVES, EMS COMPT (2)
11032313	ADJUSTABLE SHELVES, EMS COMPT (3)
11032315	ADJUSTABLE SHELVES, NOT PROVIDED
11032318	250# SLIDE-MASTER SLIDE OUT/TILT DOWN DRAWER
11032320	SLIDE MASTER TRAY, EXTERIOR CAB COMPT
11032325	TRANSVERSE SLIDE MASTER TRAY, FULL WIDTH, EXTERIOR CAB COMPT
11032331	FMI SINGLE FIRE EXTINGUISHER TILT OUT BRACKET, EXTERIOR CAB COMPT
11032340	SCBA BRACKET, EXTERIOR CAB COMPT
11032410	EXTERIOR COMPARTMENT DOOR LOCK
11032415	INTERIOR COMPARTMENT DOOR LOCK
11032450	COMPT DOOR LOCK - NOT PROVIDED
11032510	OPENING TO INTERIOR STORAGE AREA, DRIVER'S SIDE - NOT PROVIDED
11032515	OPENING TO INTERIOR STORAGE AREA, DRIVER'S SIDE, 16"W X 36" H
11032550	OPENING TO INTERIOR STORAGE AREA, OFFICER'S SIDE - NOT PROVIDED
11032555	OPENING TO INTERIOR STORAGE AREA, OFFICER'S SIDE, 16"W X 36" H



Cab Exterior Compartments, cont'd (Option Group: 110)

24" Exterior Compartment (option 11032005):



38" Exterior Compartment, open to crew seat compt, pike pole storage (options 11031841/11032110/11032300):





SUTPHEN CORPORATION

Cab Exterior Compartments, cont'd (Option Group: 110)

60" Exterior Compartment, closed to crew seat compmt, pike pole holders
(options 11032070/11032100/11032300):



80" Exterior Compartment, closed to crew seat compmt, notched for front suction
(options 11032075/11032100/65550300):



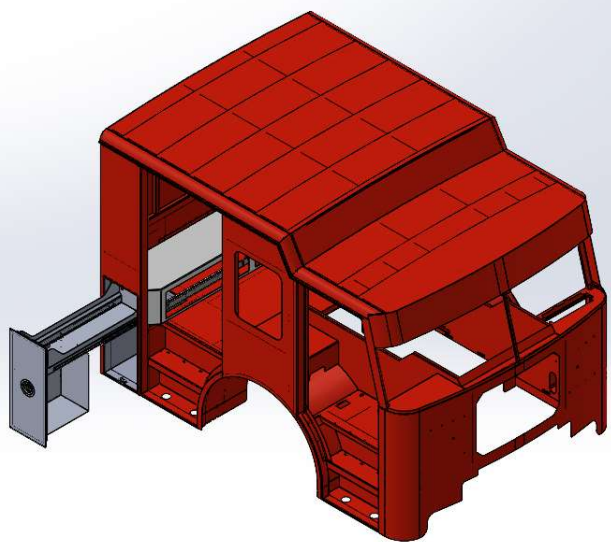


SUTPHEN CORPORATION

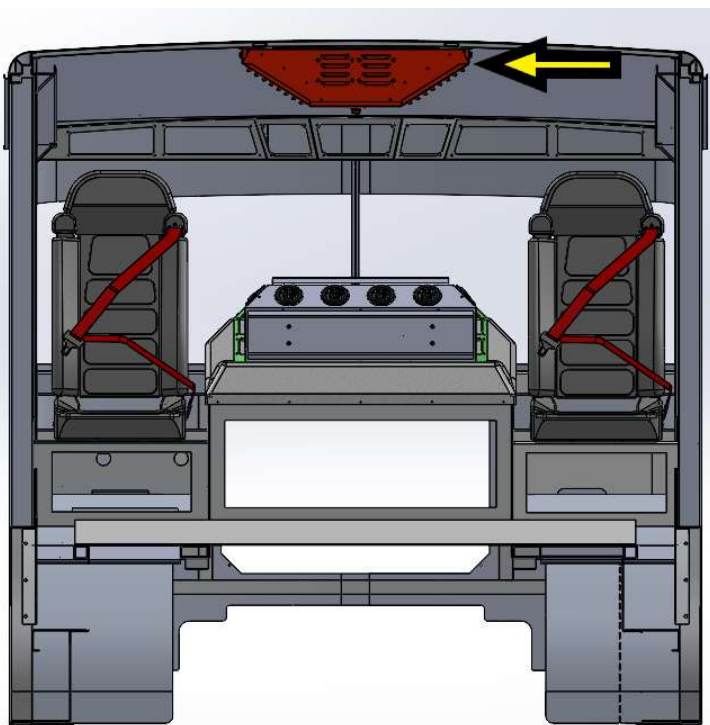
Clean Cab Initiative (Option Groups: 110, 280, 310, 395)

OPTION	DESCRIPTION
11032015	EXTERIOR COMPT, SIDE OF EXT CAB, 38" H, DS W/CLEAN CAB SLIDE-OUT
11032065	EXTERIOR COMPT, SIDE OF EXT CAB, 38" H, OS W/CLEAN CAB SLIDE-OUT

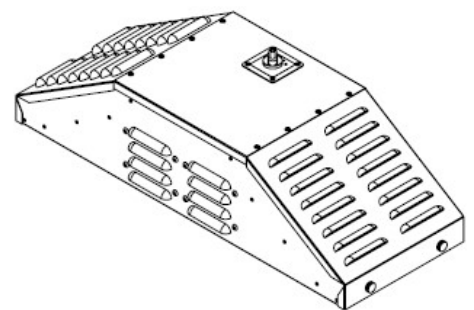
Clean Cab Compartmentation:



280XXXXX CAB AIR FILTRATION SYSTEM, HEPA SGM K0112



**NEW Cab Filtration System:



Performance:	See Table Below
Filter Lifespan:	6 months
Filter Rating:	HEPA Compliant 99.97%
Filters per Unit:	2
Finish:	Black textured Paint
Housing Material:	Galvanized Steel
Weight:	30.90 lbs
Electrical:	17.5 Amps at 13.5V

Speed	Airflow (ft ³ /min)
LOW (7.5V)	84
MED (10.5V)	121
HIGH (13.5V)	161

DESCRIPTION:
AIR FILTRATION UNIT

SIZE	DWG. NO.	REV
B	K0112	A
SCALE: 1:8		SHEET 1 OF 1

SGM COMPANY, INC.
9000 TYLER BLVD., MENTOR, OHIO 44060
TEL: 440-255-1190 FAX: 440-255-9744
DRAWN: DCC APP'D: DATE: 10/4/2019



Clean Cab Initiative, cont'd (Option Groups: 110, 280, 310, 395)

11031425 CAB DOOR WINDOWS, POWER W/AUTO ROLL-UP, WHEN PUMP IS ENGAGED (4)

Clean Cab Interior Options:

31010250	INTERIOR, MULTISPEC BLACK SPECKLE PAINT W/BLACK EMBOSSED FRP BOARD
31010252	INTERIOR, MULTISPEC GRAY SPECKLE PAINT W/GRAY EMBOSSED FRP BOARD
31010254	INTERIOR, RAPTOR BLACK URETHANE BLEND W/BLACK EMBOSSED FRP BOARD
31010255	INTERIOR, RAPTOR GRAY URETHANE BLEND W/GRAY EMBOSSED FRP BOARD



Clean Cab Seat Options:

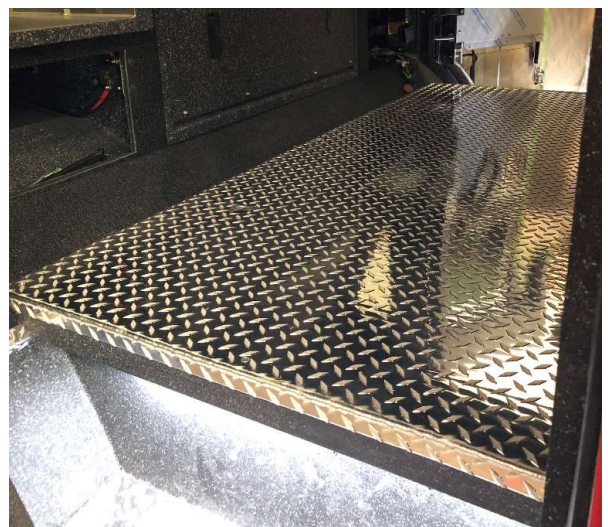
39530710	BOSTROM ZIP CLEAN REMOVABLE COVERS, BOTTOM SEAT CUSHION, INCLUDES AN ADDITIONAL COVER (PER SEAT)
39530715	ADDITIONAL BOSTROM ZIP CLEAN REMOVABLE COVERS, BOTTOM SEAT CUSHION - EACH
39530720	BOSTROM ZIP CLEAN REMOVABLE COVERS, BACK REST
39530725	ADDITIONAL BOSTROM ZIP CLEAN REMOVABLE COVERS, BACK REST - EACH



11035375 DIAMONDPLATE CAB FLOOR

11035380 DIAMONDPLATE CAB FLOOR, DRIVER & OFFICER AREA

Clean Cab Floor Options:



Cab Interior Door Panel Options (Option Group: 110)

OPTION	DESCRIPTION
11032929	DOOR PANEL, FULL STS
11032931	DOOR PANEL, FULL STS, BLACK RAPTOR
11032933	DOOR PANEL, FULL STS, GRAY RAPTOR
11032950	REFLECTIVE MATL, INTERIOR CAB DOORS, SCOTCHLITE STRIPE
11032955	REFLECTIVE MATL, INTERIOR CAB DOORS, CHEVRONS, SCOTCHLITE
11032958	REFLECTIVE MATL, INTERIOR CAB DOORS, CHEVRONS, REFLEXITE
11032960	REFLECTIVE MATL, INTERIOR CAB DOORS, CHEVRONS, DIAMOND GRADE
11032962	REFLECTIVE MATL, INTERIOR CAB DOORS, CHEVRONS, SCOTCHLITE, FULL LOWER PANEL
11032964	REFLECTIVE MATL, INTERIOR CAB DOORS, CHEVRONS, REFLEXITE, FULL LOWER PANEL
11032966	REFLECTIVE MATL, INTERIOR CAB DOORS, CHEVRONS, DIAMOND GRADE, FULL LOWER PANEL
11032980	REFLECTIVE MATL, INTERIOR CAB DOORS, 13.5" STOP SIGNS
11032981	REFLECTIVE MATL, INTERIOR CAB DOORS, 18" STOP SIGNS



Cab Exterior Door/Jamb Scuff Plate Options (Option Group: 110)

<u>OPTION</u>	<u>DESCRIPTION</u>
11033000	EXTERIOR ALUM SCUFF PLATES (2 DOORS)
11033050	EXTERIOR STAINLESS SCUFF PLATES (2 DOORS)
11033100	EXTERIOR ALUM SCUFF PLATES (4 DOORS)
11033150	EXTERIOR STAINLESS SCUFF PLATES (4 DOORS)
11033160	EXTERIOR SCUFF PLATES, CAB DOOR JAMS, MIRRORED FINISH, 4 DOOR CAB
11033165	EXTERIOR SCUFF PLATES, CAB DOOR JAMS, BRUSHED FINISH, 4 DOOR CAB
11033170	EXTERIOR SCUFF PLATES, CAB DOOR JAMS, MIRRORED FINISH, 2 DOOR CAB
11033175	EXTERIOR SCUFF PLATES, CAB DOOR JAMS, BRUSHED FINISH, 2 DOOR CAB

****EXTERIOR SCUFF PLATES ARE OPTIONAL, BUT NOT RECOMMENDED DUE TO CORROSION OVER TIME****

11033160 door jamb scuff plates:





SUTPHEN CORPORATION

Cab Interior Aluminum/Diamondplate/Treadplate Options (Option Group: 110)

OPTION	DESCRIPTION
11033202	3/16" SMOOTH ALUM BACK WALL & SIDE WALLS, INSIDE CAB
11033250	UNDERCOATING, INTERIOR CAB DOORS
11035375	DIAMONDPLATE CAB FLOOR
11035380	DIAMONDPLATE CAB FLOOR, DRIVER & OFFICER AREA

11033202:



11035375/11035380:





Cab Exterior Treadplate/Trim Options (Option Group: 110)

OPTION	DESCRIPTION
11035400	DIAMONDPLATE REAR EXTERIOR WALL OF CAB
11035403	DIAMONDPLATE REAR EXTERIOR WALL OF CAB WITH 1" WRAP
11035405	DIAMONDPLATE REAR EXTERIOR WALL OF CAB (AERIAL OR TOP MOUNT)
11035408	DIAMONDPLATE REAR EXTERIOR WALL OF CAB WITH 1" WRAP (AERIAL OR TOP MOUNT)
11035411	RAPTOR REAR EXTERIOR WALL OF CAB
11035416	RAPTOR REAR EXTERIOR WALL OF CAB (AERIAL OR TOP MOUNT)
11035420	DIAMONDPLATE CAB ROOF 30" x FULL WIDTH
11035422	DIAMONDPLATE CAB ROOF 56" x FULL WIDTH
11035424	DIAMONDPLATE CAB ROOF, NOT PROVIDED
11035426	SMOOTH METAL CAB ROOF 30" X FULL WIDTH, PAINTED ROOF COLOR
11035427	SMOOTH METAL CAB ROOF 56" X FULL WIDTH, PAINTED ROOF COLOR
11035451	REAR EXTERIOR WALL EDGES, TREADPLATE 12" WIDE
11035501	REAR EXTERIOR WALL EDGES, BRUSHED STAINLESS 12" WIDE
11035551	REAR EXTERIOR WALL EDGES, POLISHED STAINLESS 12" WIDE
11035555	REAR EXTERIOR WALL EDGES, TREADPLATE, 1" WIDE, FULL HEIGHT
11035565	REAR EXTERIOR WALL EDGES, BRUSHED STAINLESS, 1" WIDE, FULL HEIGHT
11035570	REAR EXTERIOR WALL EDGES, POLISHED STAINLESS, 1" WIDE, FULL HEIGHT

11035411/11035416 – Raptor Back Wall/Color Matched (Recommended over diamondplate back wall):



11035400:



11035451:





Cab Accessory Fuse Panel Options (Option Group: 110)

OPTION	DESCRIPTION
11040000	CAB ACCESSORY FUSE PANEL
11040005	CAB ACCESSORY FUSE PANEL (36" CAB)
11040100	ADD'L FUSE BLOCK IN CAB FOR FUTURE ELECTRICAL INSTALLATION

11040000, located under Officer's side, rear facing seat:

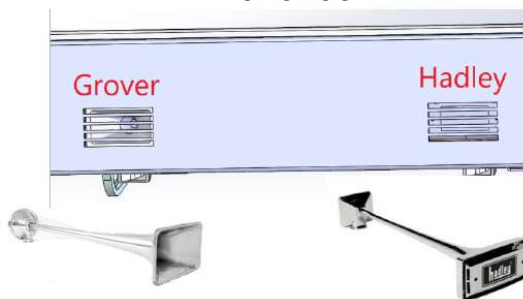


Air Horn Options (Option Group: 120)

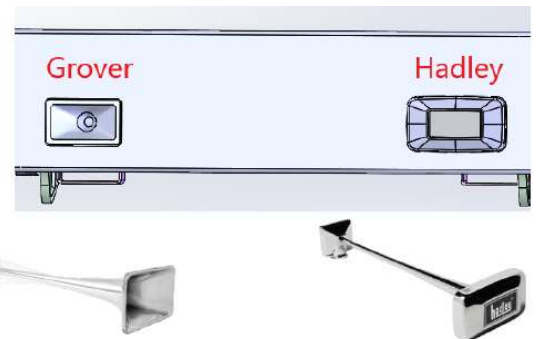
OPTION	DESCRIPTION
12010400	AIR HORNS, DUAL, HADLEY H00978 RECTANGULAR, BEHIND PERFORATION
12010410	AIR HORNS, DUAL, HADLEY H02101A RECTANGULAR, THRU BUMPER
12010520	AIR HORNS, DUAL, HADLEY H00871A ROUND, 24.5", THRU BUMPER
12030010	AIR HORNS CUTOUTS IN BUMPER, BEHIND PERFORATIONS (L9 STYLE)
12030015	AIR HORNS CUTOUTS IN BUMPER, BEHIND PERFORATIONS (X12/X15 STYLE)
12030020	AIR HORNS CUTOUTS THRU BUMPER, RECTANGLE, NO PERFORATIONS
12030025	AIR HORNS CUTOUTS THRU BUMPER, ROUND, NO PERFORATIONS
12030200	ALTERNATING FEATURE FOR AIR HORNS
12030205	AIR HORNS WIRED TO STEERING WHEEL BUTTON
12030305	FOOT SWITCH, DRIVER'S SIDE
12030310	FOOT SWITCH, OFFICER'S SIDE
12030350	LANYARD CONTROL FOR AIR HORNS
12040010	MOMENTARY SWITCH ON DASH, OFFICER'S SIDE

Grover Air Horns have been obsoleted. Hadley Air Horns are standard as of 7/15/22 (Reference STB-0088)

12010400:



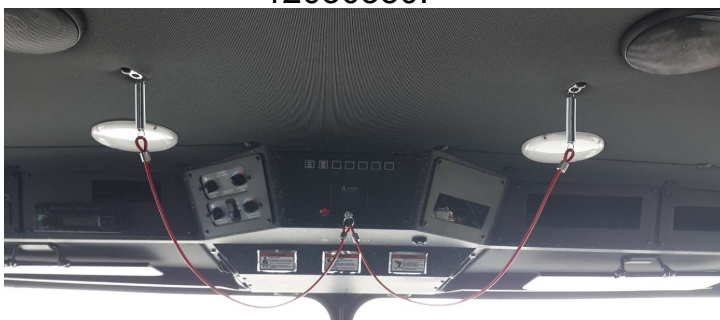
12010410:



12010420:



12030350:



Chassis Catalog 10-1-22

12030305:



Electronic Siren Options (Option Group: 125)

OPTION	DESCRIPTION
12510109	ELEC SIREN, WHELEN 295HFS7, REMOTE FLUSH MOUNT WITH REMOVABLE MIC
12510110	ELEC SIREN, WHELEN 295HFS2, REMOTE FLUSH MOUNT
12510111	ELEC SIREN, WHELEN 295SLSA1
12510113	ELEC SIREN/LIGHT CONTROLLER, WHELEN CENCOM CARBIDE
12510200	ELEC SIREN, FEDERAL SIGNAL PA-300
12510210	ELEC SIREN, FEDERAL SIGNAL PA4000, REMOTE FLUSH MOUNT
12510400	ELEC SIREN, POWERCALL DX5200
12510410	ELEC SIREN, POWERCALL 6-ADAM
12510420	ELEC SIREN, POWERCALL UDX7
12510500	ELEC SIREN, FEDERAL SIGNAL EQ2B-200
12520000	ELEC SIREN NOT PROVIDED
12520005	ADDITIONAL SIREN NOT PROVIDED
12530205	ELEC SIREN WIRED TO STEERING WHEEL BUTTON
12530305	FOOT SWITCH, DRIVER'S SIDE, FOR ELEC SIREN
12530310	FOOT SWITCH, OFFICER'S SIDE, FOR ELEC SIREN
12530350	MOMENTARY SWITCH ON DASH, OFFICER'S SIDE, FOR ELEC SIREN
12530400	MASTER SHUT OFF SWITCH WITH GUARD FOR EQ2B
12530500	SIREN, FEDERAL EQ2B

12510110:



Electronic Siren Speaker Options (Option Group: 126)

OPTION	DESCRIPTION
12620100	SIREN SPEAKER, 100W, CAST PRODUCTS, SA4201-6B-A
12620102	SIREN SPEAKER, 100W, CAST PRODUCTS, SA4201-6B-A (PAIR)
12620200	SIREN SPEAKER, 100W, WHELEN, SA314B, BLACK FINISH
12620202	SIREN SPEAKER, 100W, WHELEN, SA314B, BLACK FINISH (PAIR)
12620220	SIREN SPEAKER, 100W, WHELEN, SP123BMC, CHROME FLANGE
12620222	SIREN SPEAKER, 100W, WHELEN, SP123BMC, CHROME FLANGE (PAIR)
12620400	SIREN SPEAKER, 100W, FEDERAL SIGNAL, BP100
12620402	SIREN SPEAKERS, 100W, FEDERAL SIGNAL, BP100 (PAIR)
12620406	SIREN SPEAKER, 100W, FEDERAL SIGNAL, BP100 W/ELECTRIC GRILLE
12620408	SIREN SPEAKERS, 100W, FEDERAL SIGNAL, BP100 W/ELECTRIC GRILLE (PAIR)
12620410	SIREN SPEAKER, 200W, FEDERAL SIGNAL, BP200-EF W/ELECTRIC FGRILLE
12620412	SIREN SPEAKER, 200W, FEDERAL SIGNAL, BP200-Q W/Q GRILLE
12620420	SIREN SPEAKER, 100W, FEDERAL SIGNAL, DYNAMAX ES100C
12620422	SIREN SPEAKER, 100W, FEDERAL SIGNAL, DYNAMAX ES100C (PAIR)
12620430	SIREN SPEAKER, 100W, FEDERAL SIGNAL, DYNAMAX ES100C W/ELECTRIC F GRILLE
12620432	SIREN SPEAKERS, 100W, FEDERAL SIGNAL, DYNAMAX ES100C W/ELECTRIC F GRILLE (PAIR)
12670110	SIREN SPEAKER(S) INSTALLED BEHIND CAB GRILLE
12670120	SIREN SPEAKER(S) INSTALLED IN BUMPER BEHIND PERFORATIONS
12670130	SIREN SPEAKER(S) INSTALLED RECESSED IN BUMPER, FRONT FACE (NO PERFORATIONS)
12670140	SIREN SPEAKER(S) INSTALLED RECESSED IN BUMPER, ANGLED CORNER (NO PERFORATIONS)

12620202:



12620222:





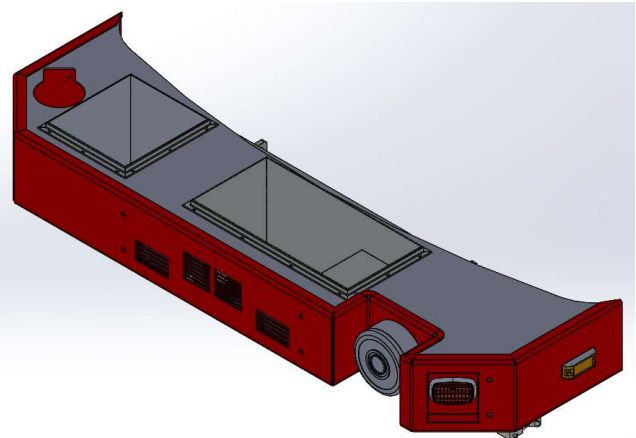
Mechanical Siren Options (Option Group: 127)

OPTION	DESCRIPTION
12710100	SIREN, FEDERAL Q2B, GRILLE MOUNT
12710200	SIREN, FEDERAL Q2B, PEDESTAL MOUNT
12710300	SIREN, FEDERAL Q2B, FRONT BUMPER MOUNT
12710400	SIREN, FEDERAL Q2B, FLUSH BUMPER MOUNT
12730205	MECH SIREN WIRED TO STEERING WHEEL BUTTON
12730305	FOOT SWITCH, DRIVER'S SIDE, FOR MECH SIREN
12730310	FOOT SWITCH, OFFICER'S SIDE, FOR MECH SIREN
12730350	MOMENTARY SWITCH ON DASH, OFFICER'S SIDE, FOR MECH SIREN
12730361	SIREN BRAKE SWITCH FOR MECH SIREN, DRIVER'S SIDE
12730362	SIREN BRAKE SWITCH FOR MECH SIREN, OFFICER'S SIDE
12730363	SIREN BRAKE SWITCH FOR MECH SIREN, DRIVER'S & OFFICER'S SIDE
12730400	MASTER SHUT OFF SWITCH WITH GUARD FOR Q2B

12710100:



12710400:



12710300:



Alternators (Option Group: 130)

OPTION	DESCRIPTION
13010050	ALTERNATOR, LEECE NEVILLE 270 AMP 4916PA
13010110	ALTERNATORS LEECE NEVILLE DUAL 270 AMP 4915PA
13010205	ALTERNATOR, LEECE NEVILLE 320 AMP 4962PA
13010225	ALTERNATOR, LEECE NEVILLE 420 AMP BLP4003
13012115	ALTERNATOR, C.E. NIEHOFF 360 AMP C527
13012125	ALTERNATOR, C.E. NIEHOFF 415 AMP C570
13012550	ALTERNATOR, DELCO-REMY 420 AMP 55SI
13030100	LOW VOLTAGE ALARM, FLOYD BELL TXB-V86-515-QF

Leece Neville:



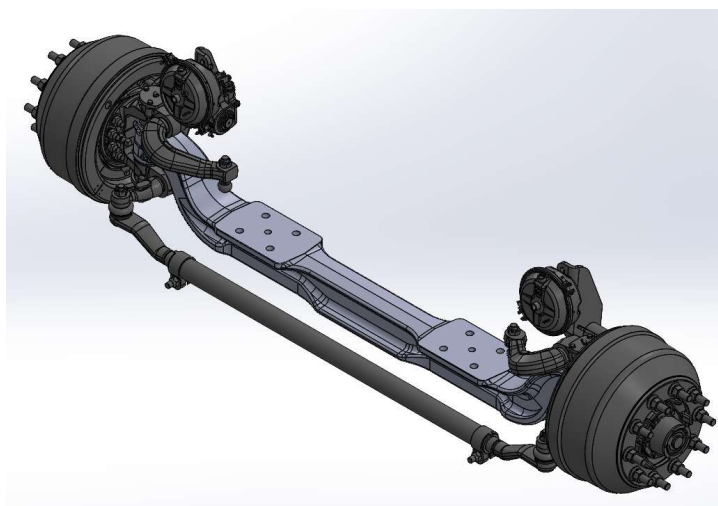
Delco Remy:



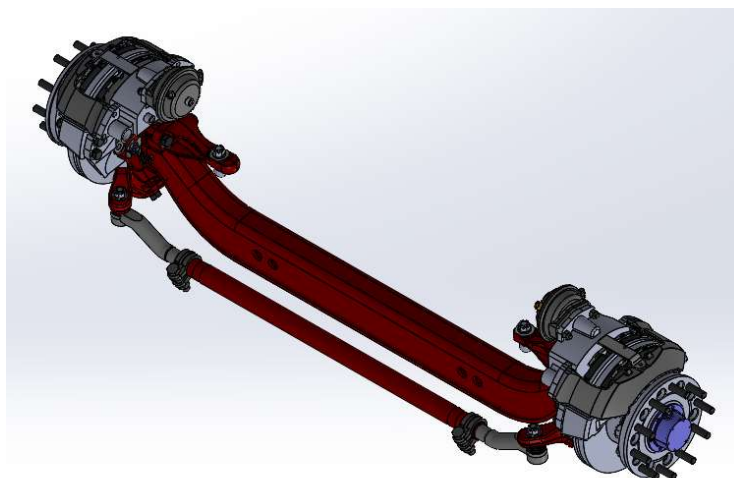
Front Axle Options (Option Group: 140)

<u>OPTION</u>	<u>DESCRIPTION</u>
14010505	FRONT AXLE, MERITOR MFS-18-133A 18,000 LB.
14010520	FRONT AXLE, MERITOR MFS-18-133A 19,000 LB.
14010524	FRONT AXLE, MERITOR MFS-20-133A 20,000 LB.
14010527	FRONT AXLE, MERITOR MFS-20-133A 23,000 LB.
14021600	FRONT AXLE, DANA EFA245T, 25,500 LBS.
14022100	FRONT AXLE, HENDRICKSON STEERTEK NXT 18,000 LB.
14022110	FRONT AXLE, HENDRICKSON STEERTEK NXT 19,000 LB.
14022120	FRONT AXLE, HENDRICKSON STEERTEK NXT 20,000 LB.
14022130	FRONT AXLE, HENDRICKSON STEERTEK NXT 23,000 LB.
14022140	FRONT AXLE, HENDRICKSON STEERTEK NXT 24,000 LB.

Front Meritor Axle:



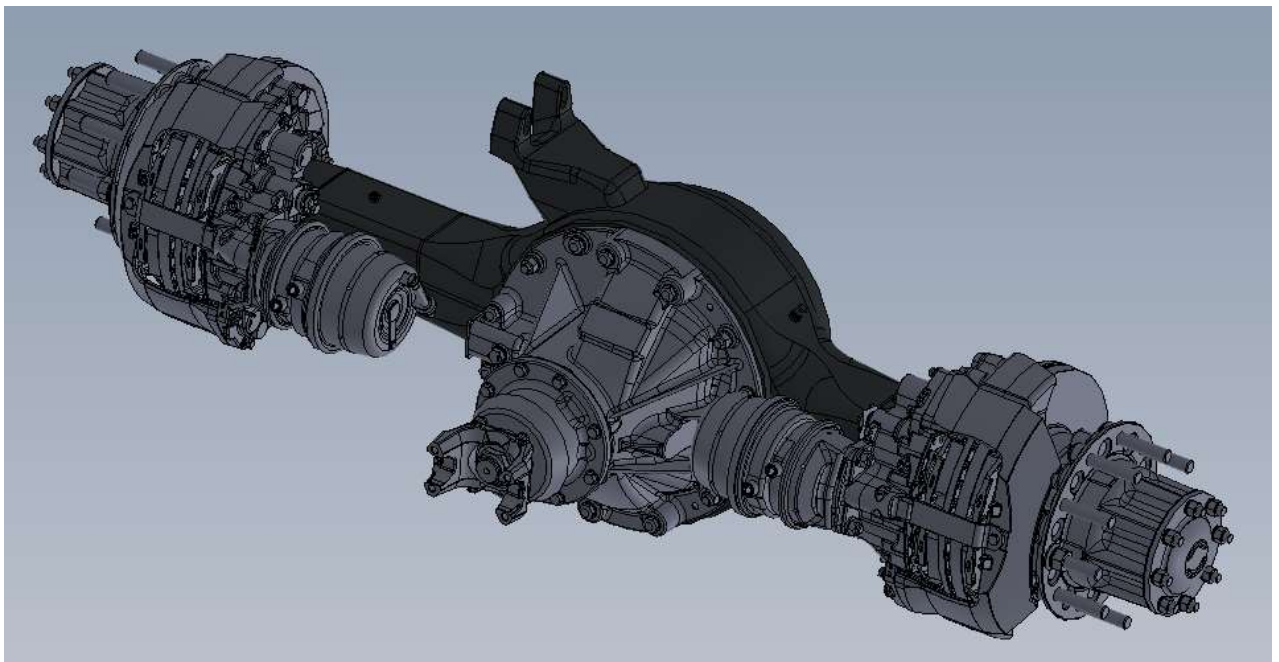
Front SteerTek Axle:



Rear Axle Options (Option Group: 145)

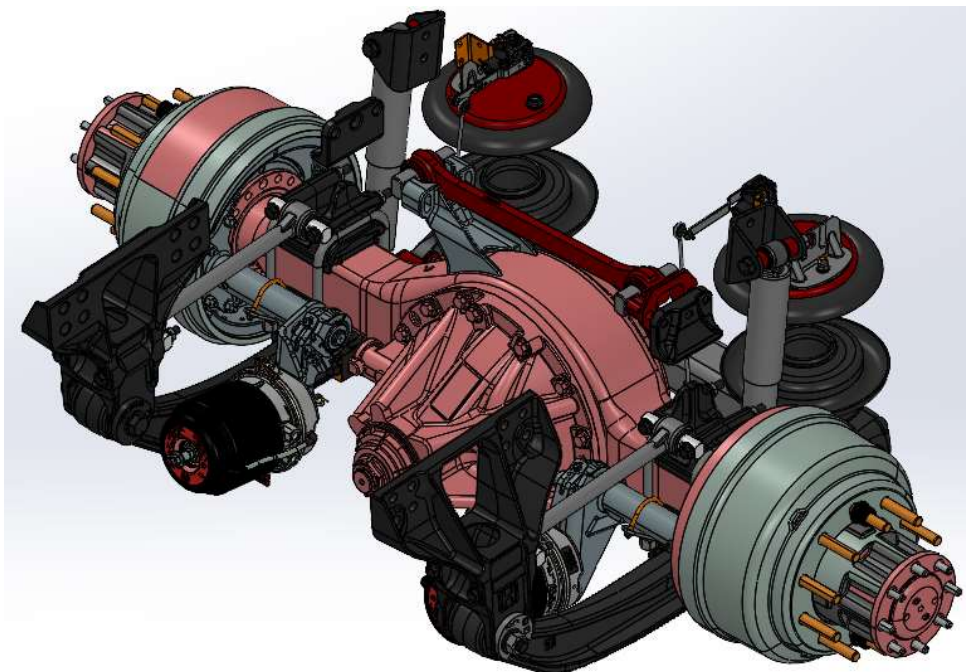
OPTION	DESCRIPTION
14510500	ALL WHEEL DRIVE
14510520	REAR AXLE, MERITOR RS-24-160 24,000 LB.
14510530	REAR AXLE, MERITOR RS-26-185 27,000 LB.
14510540	REAR AXLE, MERITOR RS-30-185 31,000 LB.
1451XXXX	REAR AXLE, DANA S23-190 24,000 LB.
1451XXXX	REAR AXLE, DANA S26-190 27,000 LB.
1451XXXX	REAR AXLE, DANA S30-190 31,000 LB.
1451XXXX	REAR AXLE, DANA S35-590BFT 35,000 LB.
14520305	REAR AXLE, MERITOR RT-40-145 40,000 LB TANDEM
14520307	REAR AXLE, MERITOR RT-44-145 44,000 LB TANDEM
14520308	REAR AXLE, MERITOR RT-48-160 48,000 LB TANDEM
14520310	REAR AXLE, MERITOR RT-50-180 52,000 LB TANDEM
14520312	REAR AXLE, MERITOR RT-60-180 58,000 LB TANDEM
14530100	TOP SPEED, 68 MPH
14530150	TOP SPEED, 60 MPH
14530200	TOP SPEED, OTHER
14530325	DRIVER CONTROLLED DIFFERENTIAL LOCK-MERITOR
14530326	DRIVER CONTROLLED DIFFERENTIAL LOCK-MERITOR (TANDEM)

27K Meritor Axle w/Disc Brakes:

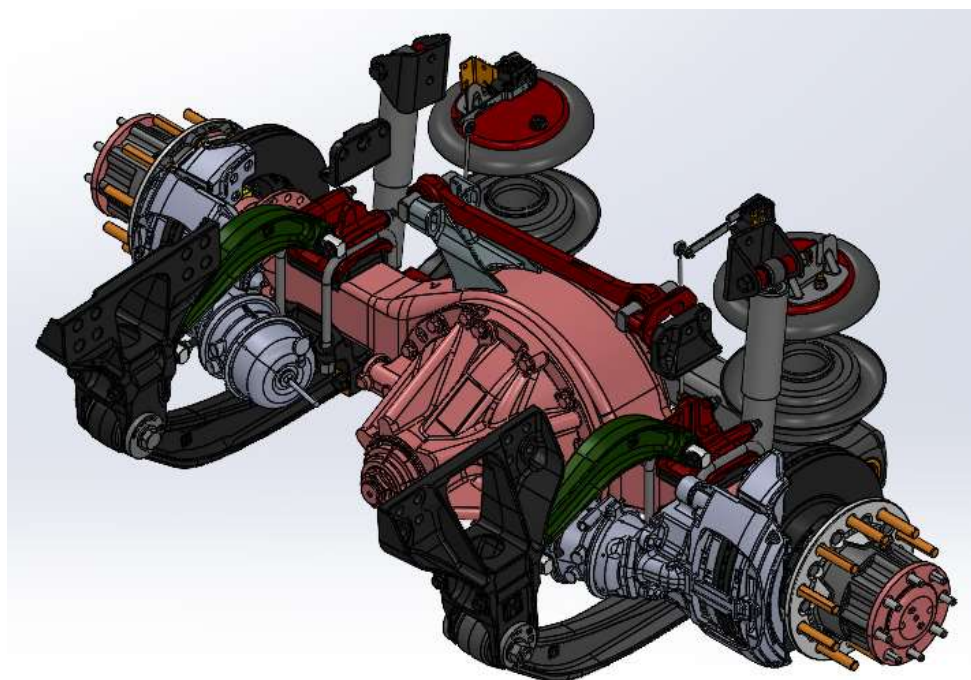


Rear Axle Options, cont'd (Option Group: 145)

24K Dana Axle w/S-CAM brakes & Hendrickson Firemaax Suspension:

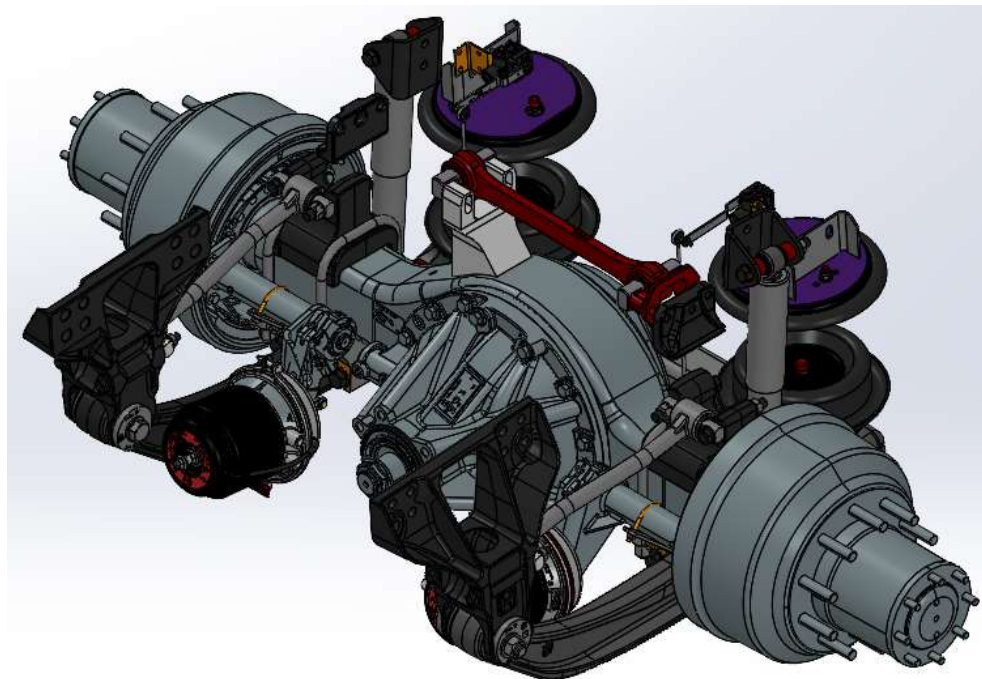


24K Dana Axle w/Disc brakes & Hendrickson Firemaax Suspension:

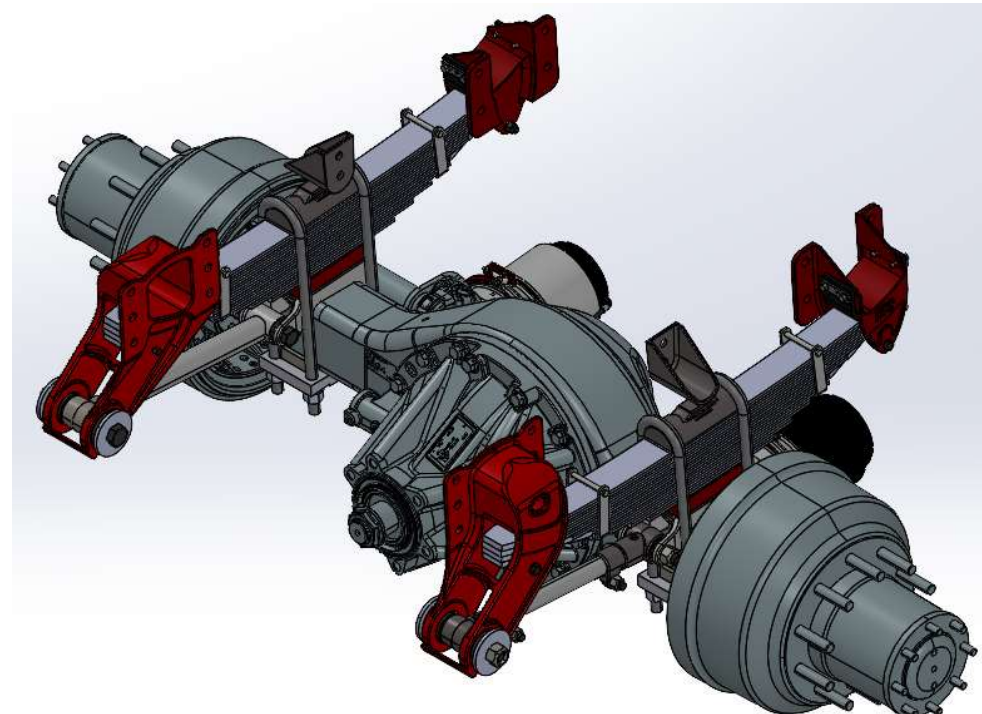


Rear Axle Options, cont'd (Option Group: 145)

31K Dana Axle w/S-CAM brakes & Hendrickson Firemaax Suspension:



31K Dana Axle w/S-CAM brakes & Reyco Spring Suspension:





Rear Axle Options, cont'd (Option Group: 145)

Truck performance, rear axle gear ratios & top speeds

Truck performance depends on several conditions. Variables include but are not limited to vehicle weight, vehicle height, road grade, engine, axle ratio, transmission programming, tire size/model, top desired speed, etc.

- The higher the axle ratio number the faster the truck will take off during acceleration from stopped position, however, higher speed acceleration may be decreased. A higher axle ratio would be recommended for trucks performing in mostly hill or mountain terrains. A higher axle ratio will provide better acceleration performance but poorer gas mileage.

- The lower the axle ratio number the slower the truck will take off during acceleration from a stopped position, but higher speed acceleration will be increased. A lower axle ratio would be recommended for trucks performing in mostly highway terrains. A lower axle ratio will provide less acceleration performance but better gas mileage.

- 6th speed open programmed transmission is recommended for all trucks
 - changes shift points to maximize acceleration in each gear vs. 5 gears
 - allow higher top speeds to be reached vs. 5 gears

- Top speeds/rear axle gear ratios limited to max driveshaft RPM limit of 3,000 RPMs

- Sutphen Engineering can review work with our Allison Rep on truck-by-truck basis and recommend best performance based on above conditions and history of previous trucks

Top speeds per NFPA:

Trucks with 50K GVWR and under: 68 MPH

Trucks with Over 50K GVWR: 60 MPH

Available rear axle ratios:

Meritor:

24K (RS-24-160): 5.38, 5.63, 6.14
27K (RS-26-185): 5.38, 5.63, 5.86, 6.14
31K (RS-30-185): 5.38, 5.63, 5.86, 6.14
40K (RT-40-145): 5.29, 5.86, 6.14
44K (RT-44-145): 5.29, 5.86, 6.14
48K (RT-48-160): 5.38, 5.63, 6.14
52K (RT-52-185): 5.38, 6.14
58K (RT-60-180): 5.38, 6.14

Dana:

24K (S23-190): 5.38, 5.57, 6.14
27K (S26-190): 5.38, 6.14
31K (S30-190): 5.38, 5.57, 6.14
35K (S35-590BFT): 5.44, 5.70, 5.98, 6.34



Rear Axle Options, cont'd (Option Group: 145)

Truck performance, rear axle gear ratios & top speeds, cont'd

Truck performance depends on several conditions. Variables include but are not limited to vehicle weight, vehicle height, road grade, engine, axle ratio, transmission programming, tire size/model, top desired speed, etc.

Truck performance application examples:

Pumper - 20K front axle/27K rear axle (5.38, 5.63, 5.86, 6.14 ratios available for 27K axle)

- 5.38 axle ratio would result in slower takeoff performance but give more acceleration at higher speeds
- 5.63 or 5.86 axle ratio would result in faster takeoff performance than a 5.38 ratio, but give less acceleration performance at higher speeds than the 5.38 ratio
- 6.14 axle ratio would result in faster takeoff performance than 5.38, 5.63, or 5.86 but give less acceleration performance at higher speeds than the 5.38, 5.63, or 5.86 ratios

Mini Tower - 23K front axle/31K rear axle (5.38, 5.63, 5.86, 6.14 ratios available for 31K axle)

- 5.38 axle ratio would result in slower takeoff performance but give more acceleration at higher speeds
- 5.63 or 5.86 axle ratio would result in faster takeoff performance than a 5.38 ratio, but give less acceleration performance at higher speeds than the 5.38 ratio
- 6.14 axle ratio would result in faster takeoff performance than 5.38, 5.63, or 5.86 but give less acceleration performance at higher speeds than the 5.38, 5.63, or 5.86 ratios

SPH100 - 23K front axle/52K rear axle (5.38, 6.14 ratios available for 52K axles)

- 5.38 axle ratio would result in slower takeoff performance but give more acceleration at higher speeds
- 6.14 axle ratio would result in faster takeoff performance than 5.38 & 5.63, but give less acceleration performance at higher speeds than the 5.38 & 5.63 ratios

-A 5.38 axle ratio would be recommended for trucks with more highway terrains than hill climbing terrains

-A 5.63 or 5.86 axle ratios would be recommended for trucks performing on a combination of highway & hill climbing terrains

-A 6.14 axle ratio would be recommended for trucks with more hill climbing terrains than highway terrains

-A 6 speed programmed transmission is recommended over a 5 speed programmed transmission in all above applications

-A 6 speed programmed transmission will result in desired top speed to be reached closer than a 5 speed programmed transmission

Tire Chain Options (Option Group: 145)

OPTION	DESCRIPTION
14530500	TIRE CHAINS, ON-SPOT, 6 STRANDS
14530501	TIRE CHAINS, ON-SPOT, 6 STRANDS, (1) SET
14530502	TIRE CHAINS, ON-SPOT, 6 STRANDS, (2) SETS
14530510	TIRE CHAINS, RUDD, 6 STRANDS
14530512	TIRE CHAINS, RUDD, 10 STRANDS
14530515	TIRE CHAINS, RUDD, 15 STRANDS, (1) SET
14530516	TIRE CHAINS, RUDD, 15 STRANDS, (2) SETS
14540000	HUBOMETER ON REAR AXLE
14540100	RETARDER, TELMA, FOCAL MOUNT

On-Spot Tire Chains:



Lube System Options (Option Group: 145)

OPTION	DESCRIPTION
14540400	VOGEL LUBE SYSTEM SINGLE AXLE
14540500	VOGEL LUBE SYSTEM TANDEM AXLE
14540550	FILL PUMP KIT FOR VOGEL LUBE SYSTEM

Vogel Lube Manifold:

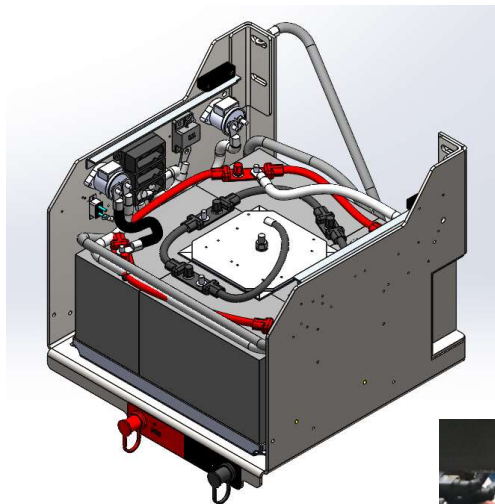


Vogel Lube Reservoir:



Battery Options (Option Group: 150)

OPTION	OPTION DESCRIPTION
15010500	BATTERIES, INTERSTATE TYPE 31 MHD (4)
15010501	BATTERIES, INTERSTATE TYPE 31 MHD (4) Multi
15010510	BATTERIES, INTERSTATE TYPE 31 MHD (6)
15010511	BATTERIES, INTERSTATE TYPE 31 MHD (6) Multi
15010520	BATTERIES, INTERSTATE TYPE 31 MHD (4) & (2) REMOTE MOUNTED
15010521	BATTERIES, INTERSTATE TYPE 31 MHD (4) & (2) REMOTE MOUNTED Multi
15010600	BATTERIES, WORLDWIDE TYPE 31 (4)
15010601	BATTERIES, WORLDWIDE TYPE 31 (4) Multi
15010610	BATTERIES, WORLDWIDE TYPE 31 (6)
15010611	BATTERIES, WORLDWIDE TYPE 31 (6) Multi
15010620	BATTERIES, WORLDWIDE TYPE 31 (4) & (2) REMOTE MOUNTED
15010621	BATTERIES, WORLDWIDE TYPE 31 (4) & (2) REMOTE MOUNTED Multi
15030215	MASTER BATTERY DISCONNECT SWITCH
15031700	BATTERY JUMPER TERMINALS



2022 Battery Box Assembly:

- New continuous ground cable
- New battery hold-down plate
- New lower tray/lower box flange redesigned to allow easier removal/installation of batteries

15010500:



Battery Charger Options (Option Group: 150)

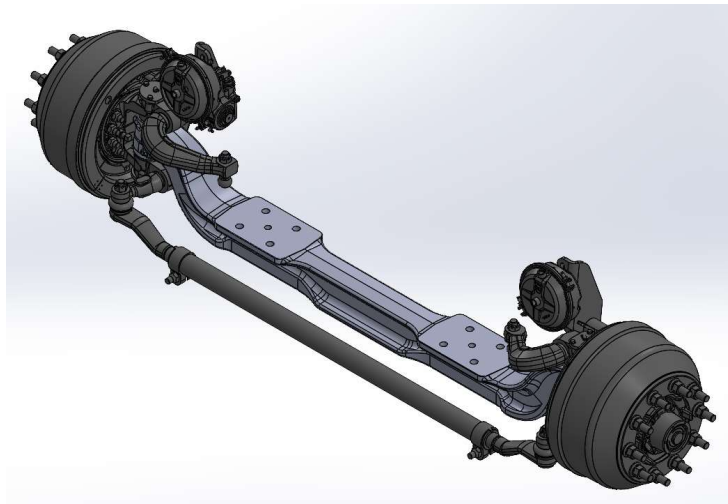
OPTION	OPTION DESCRIPTION
15030300	KUSSMAUL STARTGUARD
15030410	120V SHORELINE INLET, MANUAL, HUBBEL #HBL61CM64 (GRAY)
15030420	120V SHORELINE INLET, MANUAL, KUSSMAUL WPR-1-XX
15030430	120V SHORELINE INLET, KUSSMAUL SUPER 20 AUTO EJECT, 90° OPENING COVER 091-55-20-120
15030435	120V SHORELINE INLET, KUSSMAUL SUPER 20 AUTO EJECT, 180° OPENING COVER 091-55-211-00-XXX
15030440	120V SHORELINE INLET, KUSSMAUL SUPER 30 AUTO EJECT
15030450	120V SHORELINE INLET, KUSSMAUL SUPER 20 AUTO EJECT W/ BUILT IN BAR GRAPH DISPLAY 091-55-234-XXX
15030460	120V SHORELINE INLET, KUSSMAUL SUPER 20 AUTO EJECT W/ BUILT IN DIGITAL DISPLAY 091-55-194X-XXX
15030465	120V SHORELINE INLET, KUSSMAUL SUPER 20 AUTO EJECT W/ OLED DISPLAY 091-55-266-XX
15030710	120V SHORELINE INLET, BLUE SEA SURE-EJECT - 20A
15031510	BATTERY CHARGER, KUSSMAUL CHIEF 4012
15031515	BATTERY CHARGER, KUSSMAUL CHIEF 4012 W/REMOTE BAR GRAPH DISPLAY
15031520	BATTERY CHARGER, KUSSMAUL CHIEF 6012
15031525	BATTERY CHARGER, KUSSMAUL CHIEF 6012 W/REMOTE BAR GRAPH DISPLAY
15031540	BATTERY INVERTER CHARGER, KUSSMAUL AP1500W INVERTER
15031545	BATTERY INVERTER CHARGER, KUSSMAUL AP1500W INVERTER W/REMOTE BAR GRAPH DISPLAY
15031577	BATTERY CHARGER, IOTA DLS-45
15031580	BATTERY CHARGER, BLUE SEA PS12 W/ REMOTE BAR GRAPH DISPLAY
15031590	GREEN INDICATOR LIGHT FOR BATTERY CHARGER
15040100	120V OUTLET WIRED TO SHORELINE INLET - EA



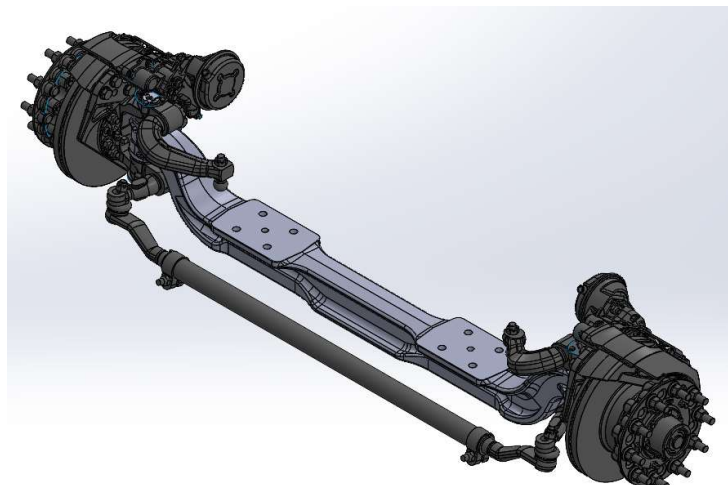
Front & Rear Axle Brake Options (Option Group: 160)

OPTION	OPTION DESCRIPTION
16010009	BRAKES MERITOR SCAM 6" FRONT, SCAM 7" REAR
16010220	BRAKES MERITOR SCAM 6" FRONT, SCAM 8.625" REAR (SINGLE AXLE)
16010225	BRAKES MERITOR SCAM 6" FRONT, SCAM 8.625" REAR (TANDEM AXLE)
16010250	BRAKES MERITOR DISC PLUS EX225 FRONT, SCAM 7" REAR (SINGLE AXLE)
16010252	BRAKES MERITOR DISC PLUS EX225 FRONT, SCAM 7" REAR (TANDEM AXLE)
16010255	BRAKES STEERTEK DISC PLUS EX225 FRONT, SCAM 7" REAR (SINGLE AXLE)
16010257	BRAKES STEERTEK DISC PLUS EX225 FRONT, SCAM 7" REAR (TANDEM AXLE)
16010260	BRAKES MERITOR DISC PLUS EX225 FRONT & REAR (SINGLE AXLE)
16010265	BRAKES STEERTEK DISC PLUS EX225 FRONT, MERITOR DISC PLUS EX225 REAR (SINGLE AXLE)
16010270	BRAKES MERITOR DISC PLUS EX225 FRONT & REAR (TANDEM AXLE)
16010275	BRAKES STEERTEK DISC PLUS EX225 FRONT, MERITOR DISC PLUS EX225 REAR (TANDEM AXLE)
16010280	BRAKES MERITOR DISC PLUS EX225 FRONT, SCAM 8.625" REAR (SINGLE AXLE)
16010285	BRAKES STEERTEK DISC PLUS EX225 FRONT, SCAM 8.625" REAR (SINGLE AXLE)
16010290	BRAKES MERITOR DISC PLUS EX225 FRONT, SCAM 8.625" REAR (TANDEM AXLE)
16010295	BRAKES STEERTEK DISC PLUS EX225 FRONT, SCAM 8.625" REAR (TANDEM AXLE)

Front Meritor Axle
With S-CAM Brakes:



Front Meritor Axle
With Disc Brakes:



Front & Rear Axle Brake Options, cont'd (Option Group: 160)

Front SteerTek Axle
With S-CAM Brakes:

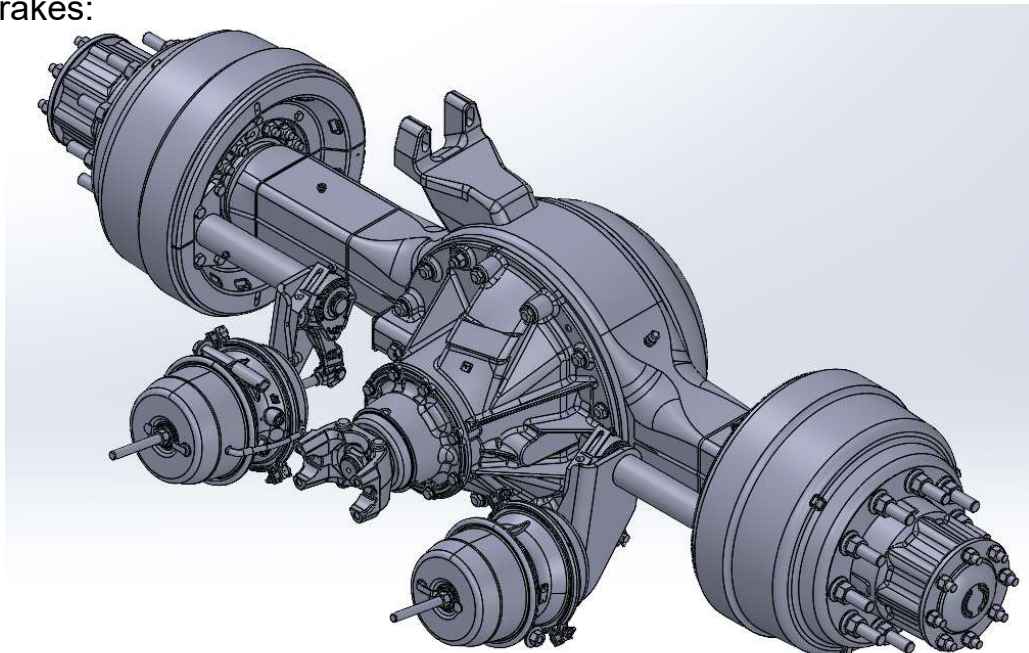


Front SteerTek Axle
With Disc Brakes:

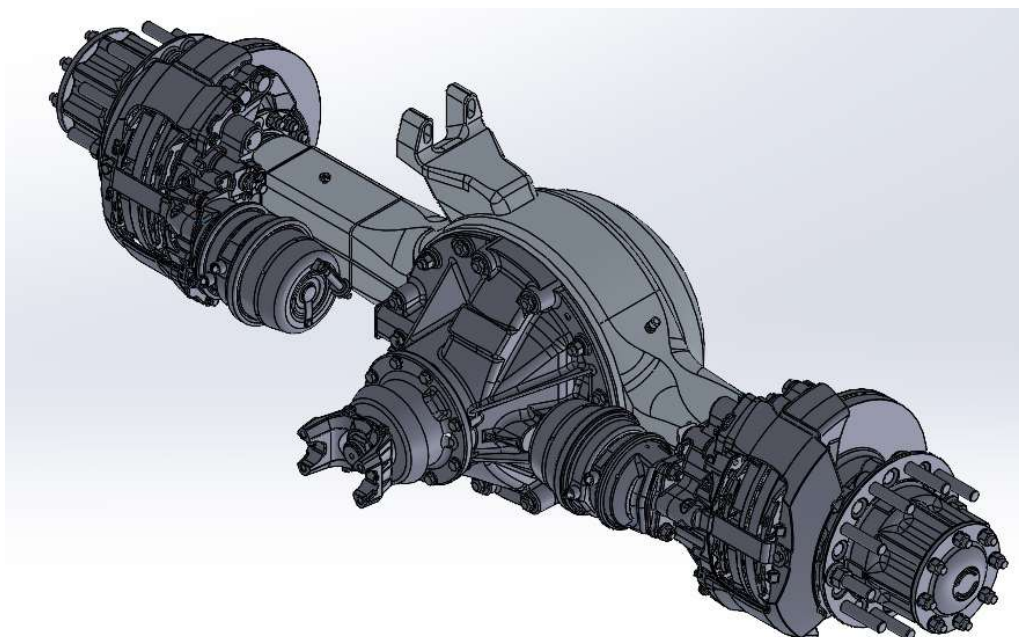


Front & Rear Axle Brake Options, cont'd (Option Group: 160)

Rear Meritor Axle
With S-CAM Brakes:

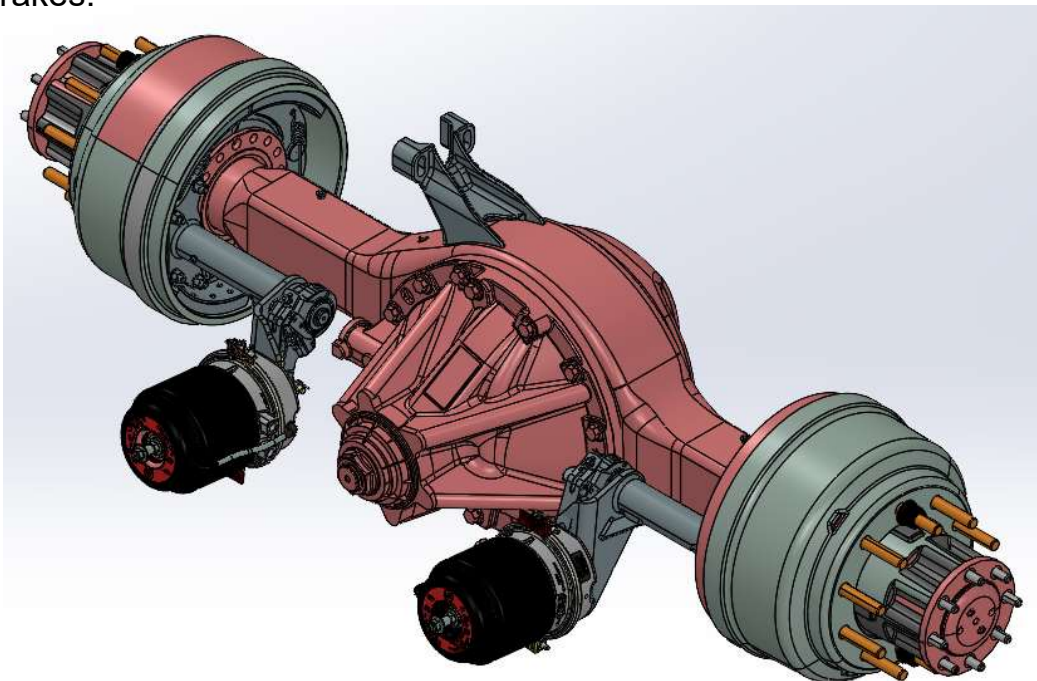


Rear Meritor Axle With
Disc Brakes:

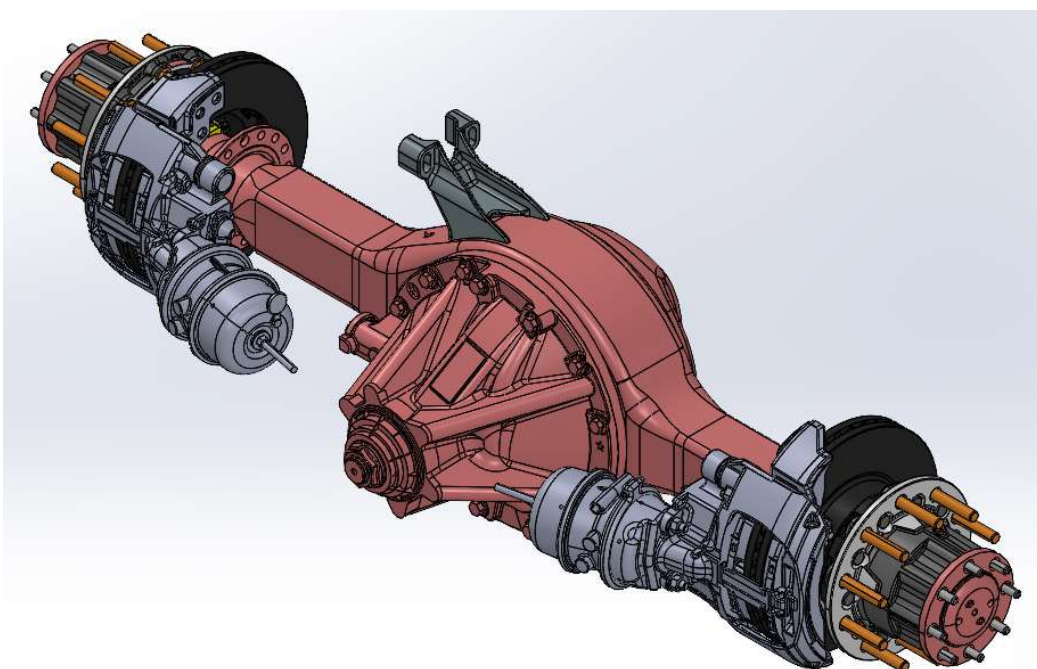


Front & Rear Axle Brake Options, cont'd (Option Group: 160)

Rear Dana Axle With
S-CAM Brakes:



Rear Dana Axle With
Disc Brakes:



Air Brake Options (Option Group: 180)

OPTION	OPTION DESCRIPTION
18010041	AIR BRAKE SYST 4 TANKS WABCO 1200 DRYER (24K, 27K)
18010043	AIR BRAKE SYST 5 TANKS WABCO 1200 DRYER (31K, 35K)
18010046	AIR BRAKE SYST 6 TANKS WABCO 1200 DRYER (TANDEM)
18010048	AUTOMATIC HEATED MOISTURE EJECTORS W/MANUAL PULL CABLE
18010049	AUTOMATIC HEATED MOISTURE EJECTORS W/MANUAL PULL CABLE (TANDEM)
18020000	CENTRAL LOCATION FOR AIR TANK DRAINS
18030000	GUARD OVER PARKING BRAKE KNOB
18030110	AIR OUTLET CONNECTION
18030140	AIR INLET CONNECTION
18030150	AUXILIARY AIR INLET CONNECTION
18030200	EMERGENCY SPRING BRAKE RELEASE
18030300	EMERGENCY SPRING BRAKE RELEASE W/GAUGE ON DASH
18030400	FRONT WHEEL BRAKE ASSIST FOR FOUR WHEEL BRAKE SERVICE
18030500	OFFICER OPERATED PARKING BRAKE
18030550	TRAILER BRAKE, ELECTRIC CONTROL
18030605	UNITED SAFETY VEHICLE BRAKE LOCK SYSTEM
18033000	KUSSMAUL 091-28 AIR EJECT W/FEM COUPLING
18035110	AIR COMPRESSOR, KUSSMAUL AUTO PUMP AC, 100PSI
18035120	AIR COMPRESSOR, BLUE SEA AIR BRAKE COMPRESSOR, 125PSI
18036105	TIMER, KUSSMAUL AUTO PUMP
53510000	COMPRESSION FITTINGS ON AIR SYSTEM (CHASSIS)

18030140:



18033000:



Anti-Lock/Electronic Stability Control Options (Option Group: 181/182)

OPTION	OPTION DESCRIPTION
18110000	WABCO 4 CHANNEL ANTI-LOCK BRAKES (24K, 27K)
18110050	WABCO 4 CHANNEL ANTI-LOCK BRAKES W/ASR (24K, 27K)
18110070	WABCO 5 CHANNEL ANTI-LOCK BRAKES (31K, 35K)
18110075	WABCO 5 CHANNEL ANTI-LOCK BRAKES W/ASR (31K, 35K)
18110100	WABCO 6 CHANNEL ANTI-LOCK BRAKES (TANDEM)
18110150	WABCO 6 CHANNEL ANTI-LOCK BRAKES W/ASR (TANDEM)
18130000	REVERSE BRAKING SYSTEM , BACKSTOP
18142000	ASR DISCONNECT SWITCH ON DASH
18210000	ELEC STABILITY CONTROL SYST
18220000	ELEC STABILITY CONTROL SYST (TANDEM)
18220500	NO ELEC STABILITY CONTROL SYS

18142000 ASR DISCONNECT SWITCH ON DASH:





Front Bumper Options (Option Group: 200)

OPTION	OPTION DESCRIPTION
20010070	BUMPER, 6" POLISHED STAINLESS STEEL
20010075	BUMPER, 12" POLISHED STAINLESS STEEL
20010080	BUMPER, 18" POLISHED STAINLESS STEEL
20010085	BUMPER, 24" POLISHED STAINLESS STEEL
20010180	BUMPER, 30" POLISHED STAINLESS STEEL
20012200	BUMPER, 12" FORMED STEEL CHANNEL, PAINTED
20012205	BUMPER, 6" FORMED STEEL CHANNEL, PAINTED
20012210	BUMPER, 18" FORMED STEEL CHANNEL, PAINTED
20012220	BUMPER, 24" FORMED STEEL CHANNEL, PAINTED
20012230	BUMPER, 30" FORMED STEEL CHANNEL, PAINTED
20012300	BUMPER, 12" EXTREME DUTY STEEL, PAINTED
20012310	BUMPER, 18" EXTREME DUTY STEEL, PAINTED
20012320	BUMPER, 24" EXTREME DUTY STEEL, PAINTED
20012330	BUMPER, 30" EXTREME DUTY STEEL, PAINTED
20012400	BUMPER, 12" WUI, PAINTED FORMED STEEL CHANNEL
20029800	BUMPER SIDES, DIAMONDPLATE
20029802	BUMPER SIDES, DIAMONDPLATE, W/POCKET (18-24" EXTENSION)
20029804	BUMPER SIDES, DIAMONDPLATE, W/POCKET (30" EXTENSION)
20029810	BUMPER SIDES, PAINTED STEEL, FLAT (12"-24" EXTENSION)
20029820	BUMPER SIDES, PAINTED STEEL, FLAT (30" EXTENSION)
20029830	BUMPER SIDES, PAINTED STEEL, W/POCKET (12-24" EXTENSION)
20029840	BUMPER SIDES, PAINTED STEEL, W/POCKET (30" EXTENSION)
20029910	BUMPER ANGLES, PAINTED STEEL, FLAT (12-30" EXTENSION)
20029920	BUMPER ANGLES, PAINTED STEEL, W/POCKET (12-24" EXTENSION)
20029930	BUMPER ANGLES, PAINTED STEEL, W/POCKET (30" EXTENSION)
20030000	BUMPER NOTCHED FOR FRONT SUCTION
20030010	BUMPER HOLED FOR FRONT SUCTION

- Painted steel bumpers: available with treadplate sides (partial wrap) or painted steel sides (full wrap).
- Recessed side & corner pockets (for warning/scene lighting & cab tilt switching): available for 18", 24" & 30" bumpers.



Front Bumper Storage Well/Cover Options (Option Group: 200)

OPTION	OPTION DESCRIPTION
20030100	STORAGE WELL COVER, TREADPLATE, 2" RAISE
20030120	STORAGE WELL COVER, TREADPLATE, 4" RAISE
20030130	STORAGE WELL COVER, TREADPLATE, 6" RAISE
20030135	STORAGE WELL COVER, TREADPLATE, 6" RAISE (RESCUE STYLE)
20030200	STORAGE WELL COVER, VELCRO STRAPS (2)
20030210	STORAGE WELL COVER, VELCRO STRAPS (3)
20030300	STORAGE WELL COVER, VINYL
20030400	STORAGE WELL COVER, WEBBING
20030500	NO CUT-OUT IN STORAGE WELL COVER
20030510	CUT-OUT IN STORAGE WELL COVER
20030600	BUMPER TROUGH LIGHTING, TECNIQ E44 LED LIGHT STRIP
20030610	BUMPER TROUGH LIGHTING, FEDERAL SIGNAL COMPLEX LED LIGHT STRIP
20030910	COVER FASTENERS, BLACK PLASTIC BUCKLES (4)
20030915	ADDITIONAL COVER FASTENER, BLACK PLATIC BUCKLE
20030920	COVER FASTENERS, METAL AIRPLANE LATCHES (4)
20030925	ADDITIONAL COVER FASTENER, METAL AIRPLANE LATCH
20031100	MOUNT CUSTOMER'S BELL
20031200	BELL MOUNTED FRONT BUMPER
20031230	MOVEABLE MOUNTING WITH INTERLOCK FOR BELL
20040100	STORAGE WELL, SHALLOW, FULL WIDTH (18" BUMPER)
20040102	STORAGE WELL, SHALLOW, 3/4 WIDTH (18" BUMPER)
20040105	STORAGE WELL, DEEP CENTER, FULL WIDTH (18" BUMPER)
20040107	STORAGE WELL, DEEP CENTER, 3/4 WIDTH (18" BUMPER)
20040110	STORAGE WELL, CENTER ONLY (18" BUMPER)
20040200	STORAGE WELL, CENTER ONLY (24" BUMPER)
20040210	STORAGE WELL, SHALLOW, FULL WIDTH (24" BUMPER)
20040212	STORAGE WELL, SHALLOW, 3/4 WIDTH (24" BUMPER)
20040215	STORAGE WELL, DEEP CENTER, FULL WIDTH (24" BUMPER)
20040220	STORAGE WELL, ALL DEEP COMPTS, FULL WIDTH (24" BUMPER)
20040230	STORAGE WELL, DEEP CENTER, 3/4 WIDTH (24" BUMPER)
20040240	STORAGE WELL, RESCUE STYLE, DEEP OUTER, SHALLOW CENTER (24" BUMPER)
20040245	STORAGE WELL, RESCUE STYLE, DEEP OUTER, DEEP CENTER (24" BUMPER)
20040300	1" LIP AROUND BUMPER TROUGH
20040305	STORAGE WELL, CENTER ONLY (30" BUMPER)
20040310	STORAGE WELL, SHALLOW, FULL WIDTH (30" BUMPER)
20040312	STORAGE WELL, SHALLOW, 3/4 WIDTH (30" BUMPER)
20040315	STORAGE WELL, DEEP CENTER, FULL WIDTH (30" BUMPER)
20040320	STORAGE WELL, ALL DEEP COMPTS, FULL WIDTH (30" BUMPER)
20040330	STORAGE WELL, DEEP CENTER, 3/4 WIDTH (30" BUMPER)
20040340	STORAGE WELL, RESCUE STYLE, DEEP OUTER, SHALLOW CENTER (30" BUMPER)
20040345	STORAGE WELL, RESCUE STYLE, DEEP OUTER, DEEP CENTER (30" BUMPER)



Additional Front Bumper Options (Option Group: 200)

OPTION	OPTION DESCRIPTION
20031100	MOUNT CUSTOMER'S BELL
20031200	BELL MOUNTED FRONT BUMPER
20031230	MOVEABLE MOUNTING WITH INTERLOCK FOR BELL
20042140	PROTECTIVE BUMPER COATING, RAPTOR, TOP EDGE OF FRONT BUMPER
20042150	PROTECTIVE BUMPER COATING, RAPTOR, FRONT FACE OF BUMPER
20042160	PROTECTIVE BUMPER COATING, RAPTOR, ENTIRE BUMPER
20050100	WINCH, BUMPER MOUNTED, WARN 12,000 LB.
20050110	WINCH, BUMPER MOUNTED, RAMSEY 12,000 LB.
20050250	PORTABLE WINCH, WARN, 4700 LB.
20050260	PORTABLE WINCH, RAMSEY, 8000 LB.
20050300	WINCH RECEIVER, FRONT
20050395	WIRING FOR WINCH RECEIVER
20050500	BUMPER POLES

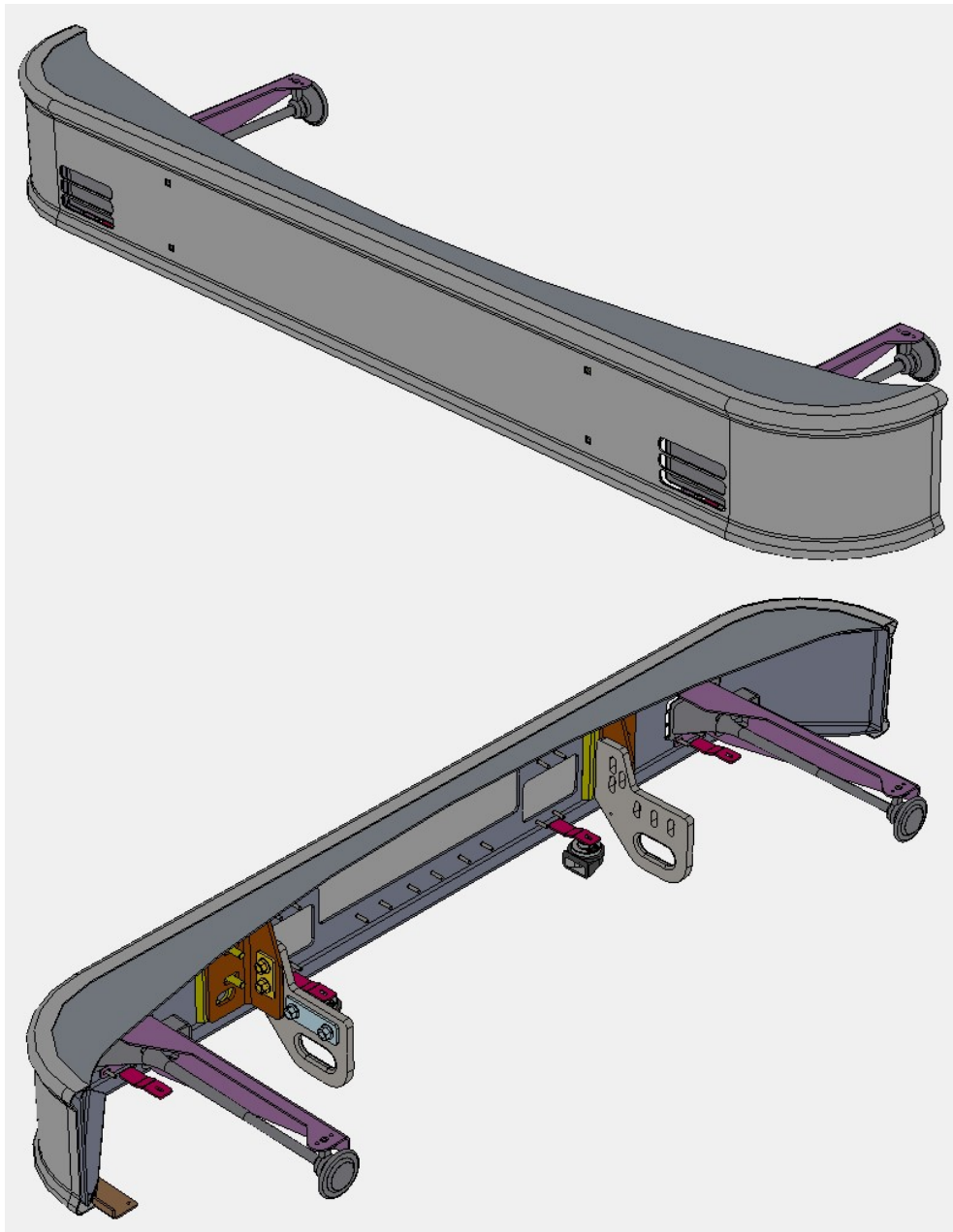
20050300/20050395 - Front Winch Receiver & Wiring:



Front Bumpers (Option Group: 200)

6" Bumper Options:

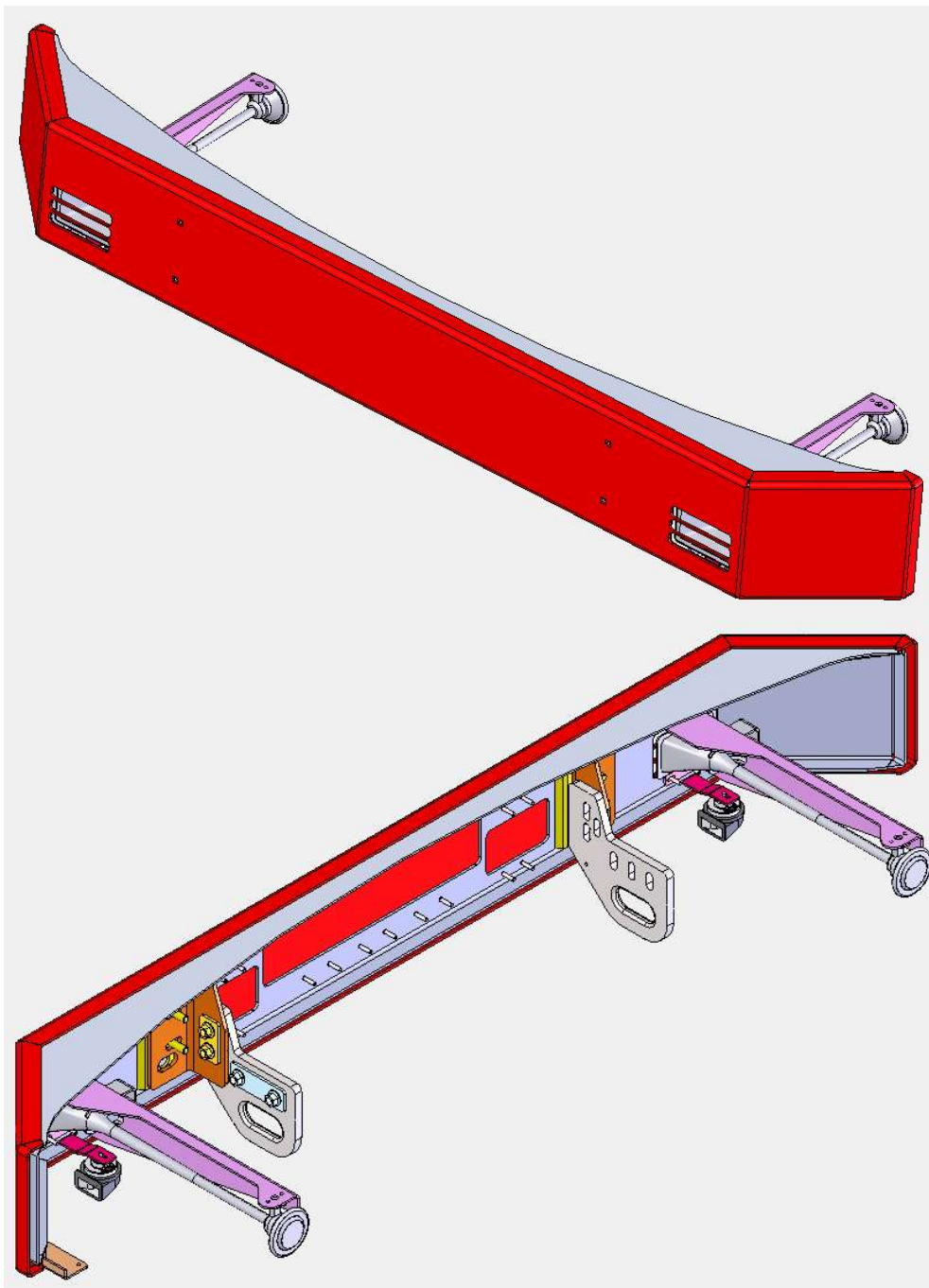
6" Bumper, Stainless Steel Skin, Rectangular Air Horns Outboard, ISX Perforations, Tow Eyes Below (ASSY Number: CHF-6066 – ISL Version: CHF-7979)



Front Bumpers (Option Group: 200)

6" Bumper Options:

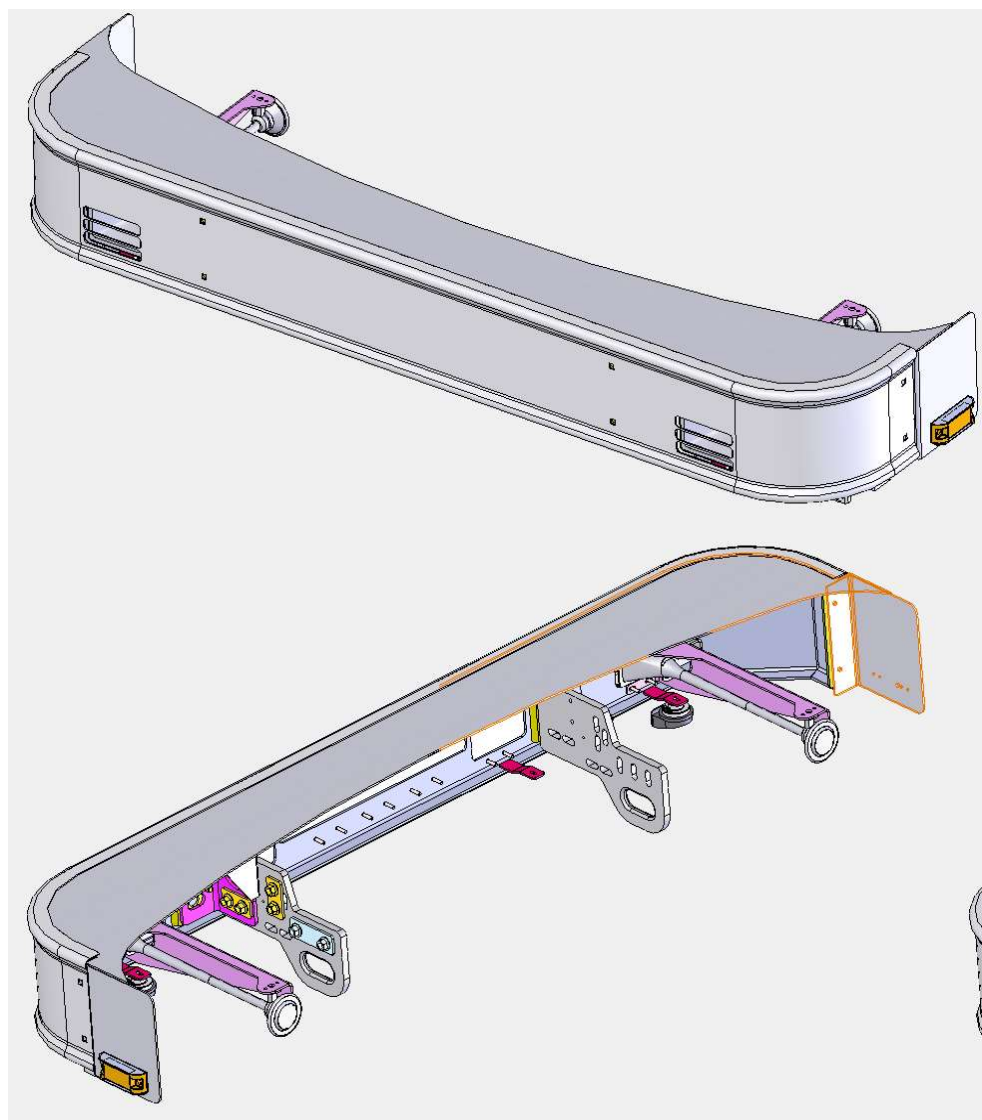
6" Bumper, Painted Steel Skin, Rectangular Air Horns Outboard, ISX Perforations, Tow Eyes Below (ASSY Number: CHF-6017 – ISL Version: TBD)



Front Bumpers (Option Group: 200)

12" Bumper Options:

12" Bumper, Stainless Steel Skin, Rectangular Air Horns Outboard, ISX Perforations, Tow Eyes Below (ASSY Number: CHF-6035 – ISL Version: CHF-6048)

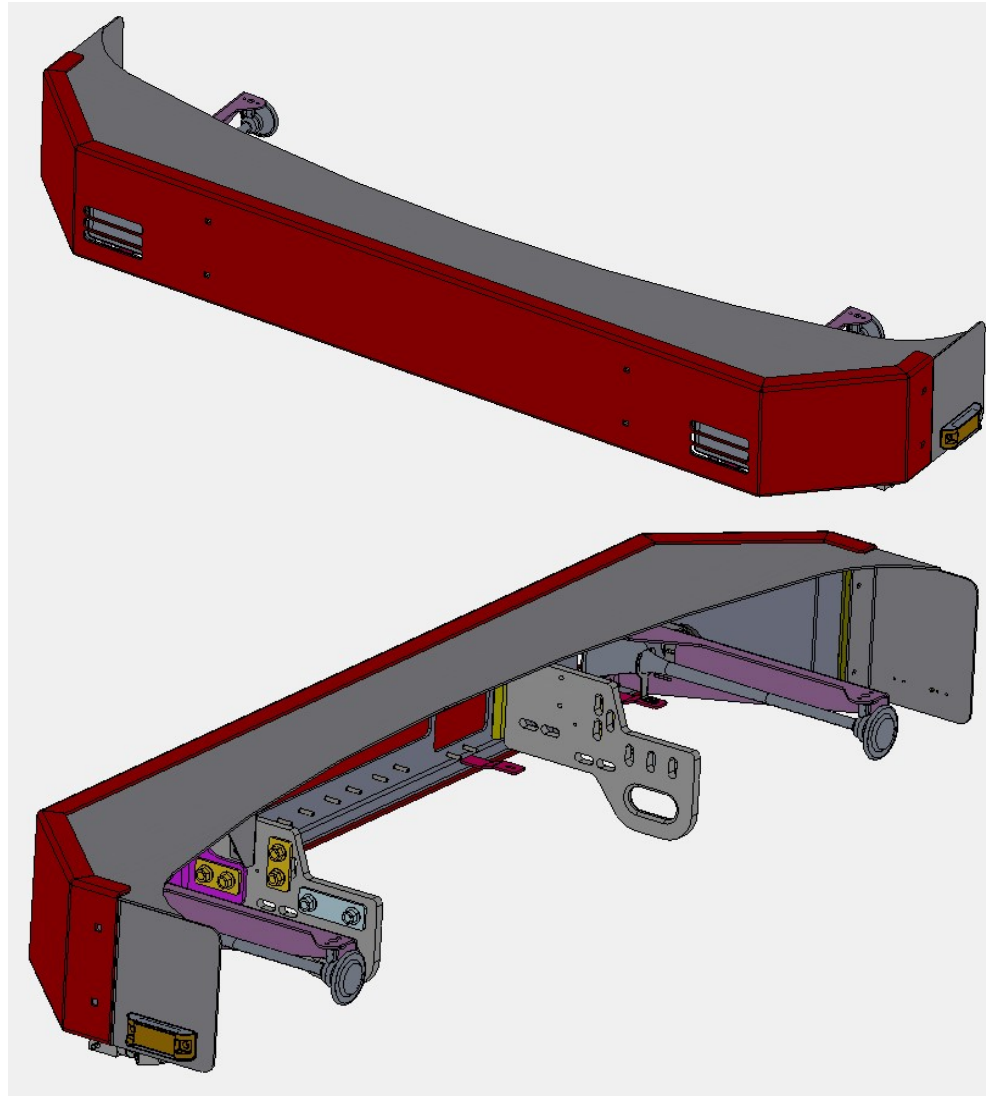




Front Bumpers (Option Group: 200)

12" Bumper Options:

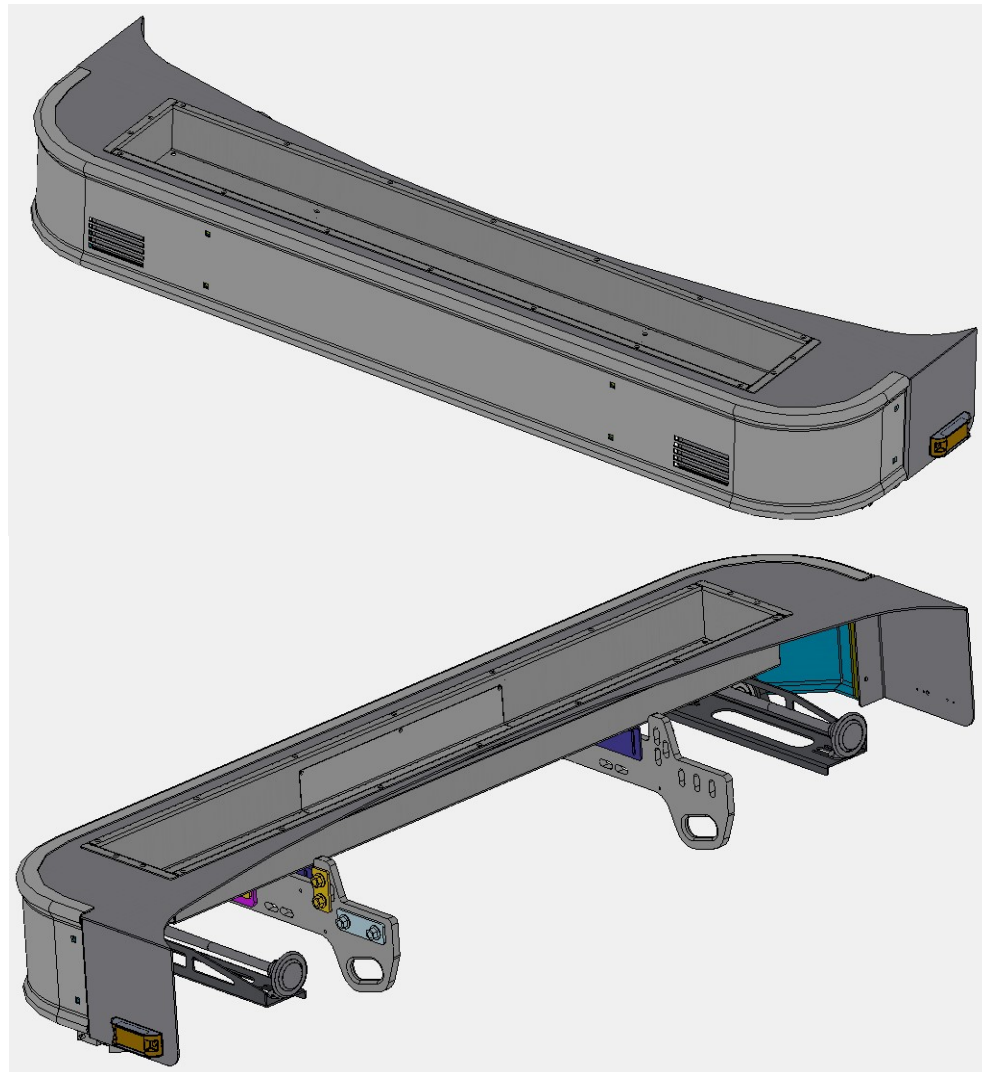
12" Bumper, Painted Steel Skin, Rectangular Air Horns Outboard, ISX Perforations, Tow Eyes Below (ASSY Number: CHF-7717 – ISL Version: TBD)



Front Bumpers (Option Group: 200)

18" Bumper Options:

18" Bumper, Stainless Steel Skin, Full Width/Shallow Trough, Rectangular Air Horns Outboard, ISL Perforations, Tow Eyes Below (ASSY Number: CHF-6091 – ISX Version: TBD)

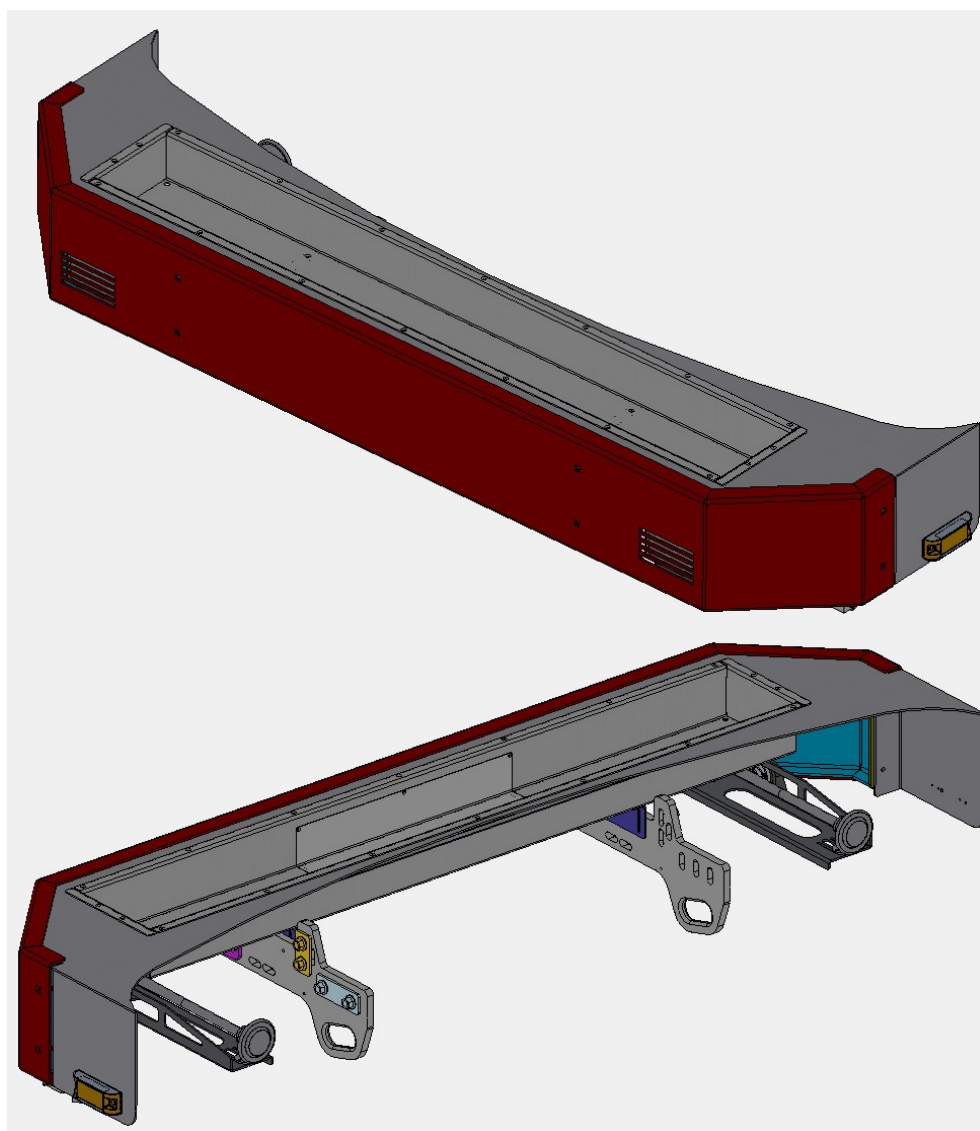




Front Bumpers (Option Group: 200)

18" Bumper Options:

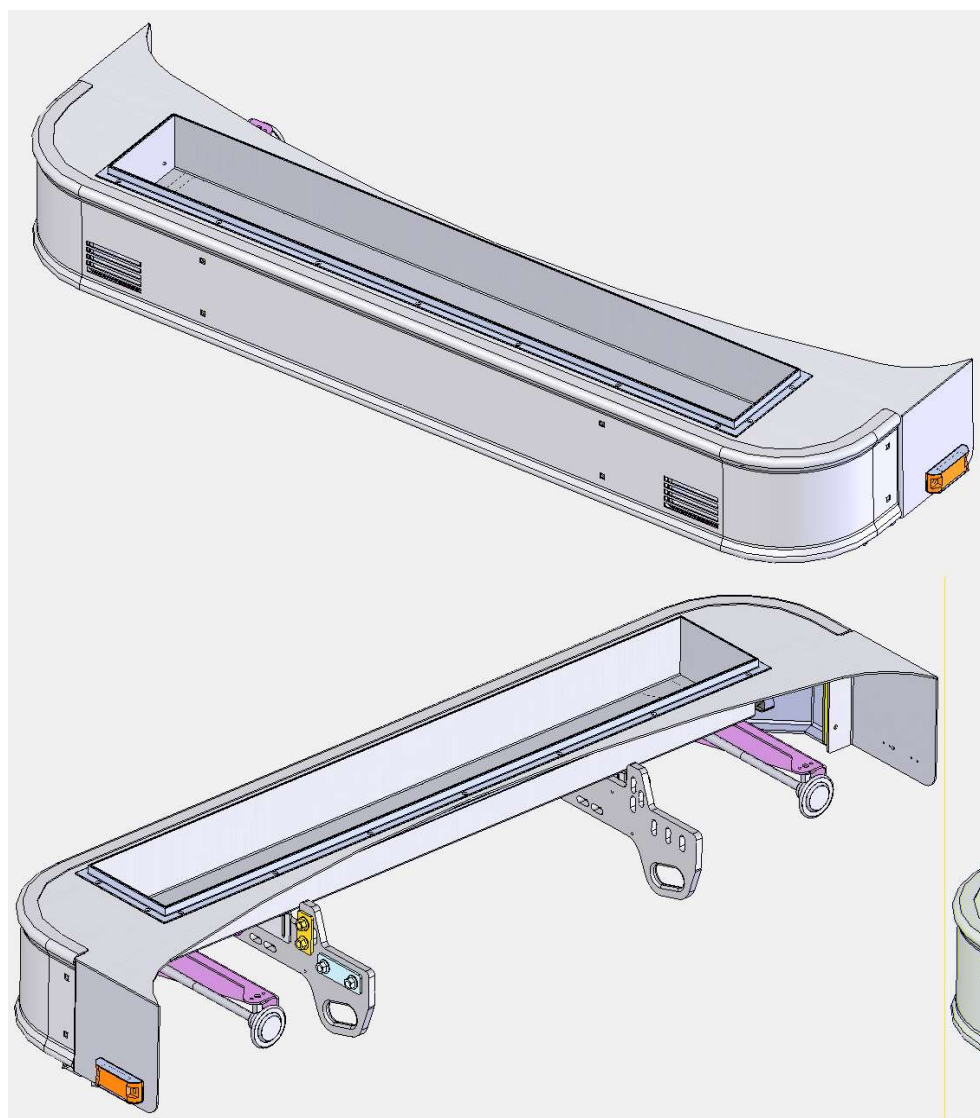
18" Bumper, Painted Steel Skin, Full Width/Shallow Trough, Rectangular Air Horns Outboard, ISL Perforations, Tow Eyes Below (ASSY Number: CHF-7400 – ISX Version: TBD)



Front Bumpers (Option Group: 200)

18" Bumper Options:

18" Bumper, Stainless Steel Skin, Full Width/Shallow Trough W/1" Lip, Rectangular Air Horns Outboard, ISL Perforations, Tow Eyes Below (ASSY Number: CHF-5974 – ISX & Painted Versions: TBD)

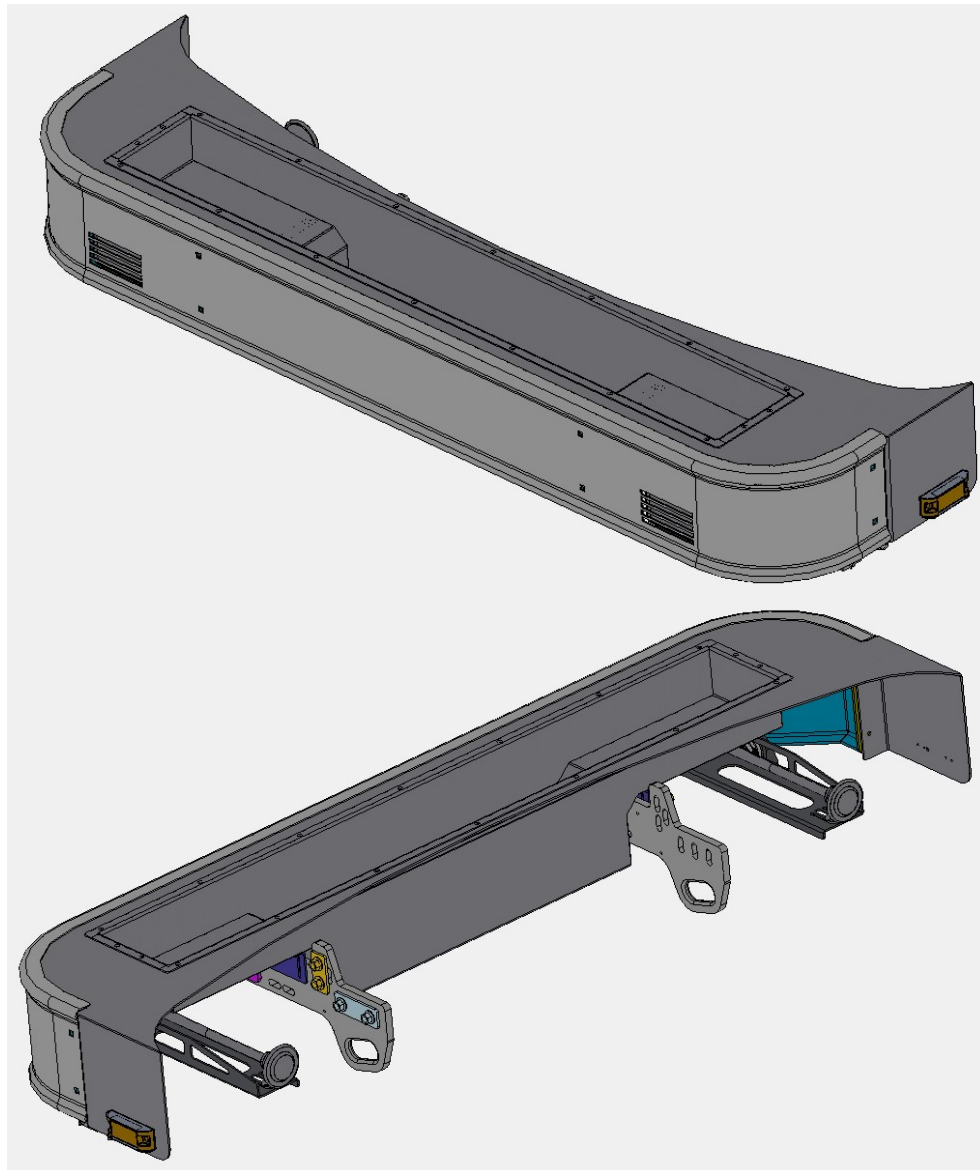




Front Bumpers (Option Group: 200)

18" Bumper Options:

18" Bumper, Stainless Steel Skin, Full Width/Deep Center Trough, Rectangular Air Horns Outboard, ISL Perforations, Tow Eyes Below (ASSY Number: CHF-7250 – ISX Version: CHF-7131)

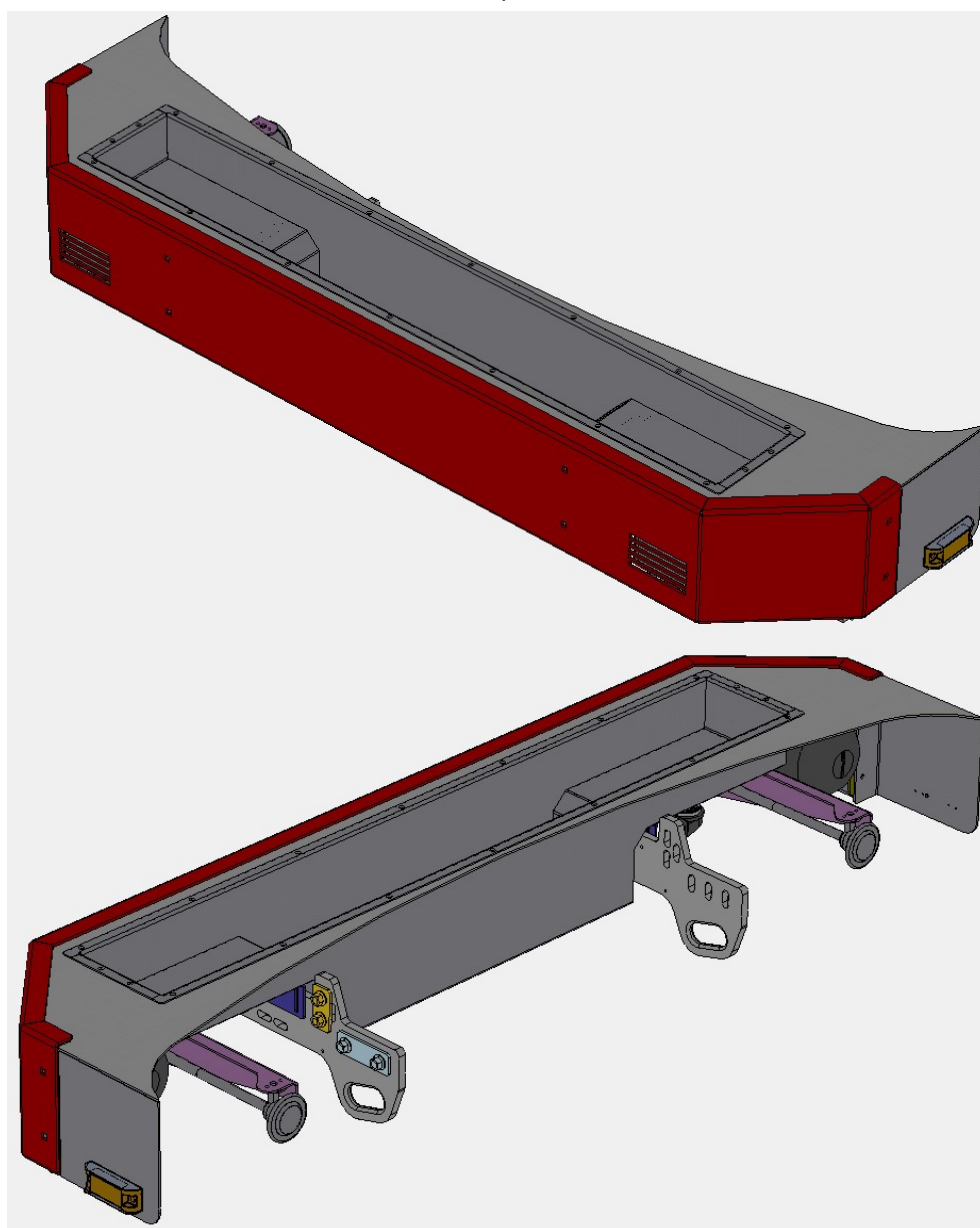




Front Bumpers (Option Group: 200)

18" Bumper Options:

18" Bumper, Painted Steel Skin, Full Width/Deep Center Trough, Rectangular Air Horns Outboard, ISL Perforations, Tow Eyes Below (ASSY Number: CHF-7928 – ISX Version: TBD)

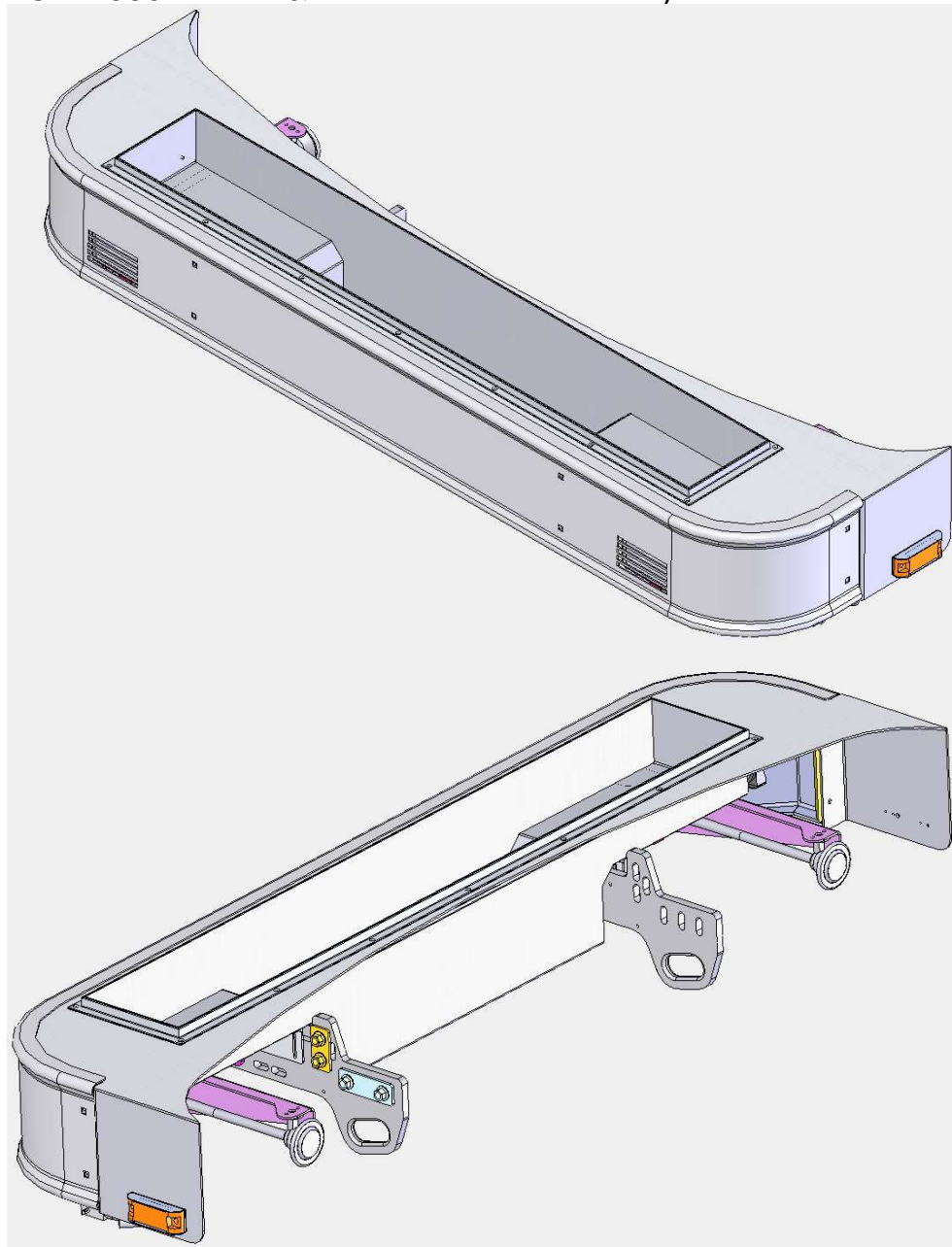




Front Bumpers (Option Group: 200)

18" Bumper Options:

18" Bumper, Stainless Steel Skin, Full Width/Deep Center Trough W/1" Lip, Rectangular Air Horns Outboard, ISL Perforations, Tow Eyes Below (ASSY Number: CHF-5867 – ISX & Painted Versions: TBD)

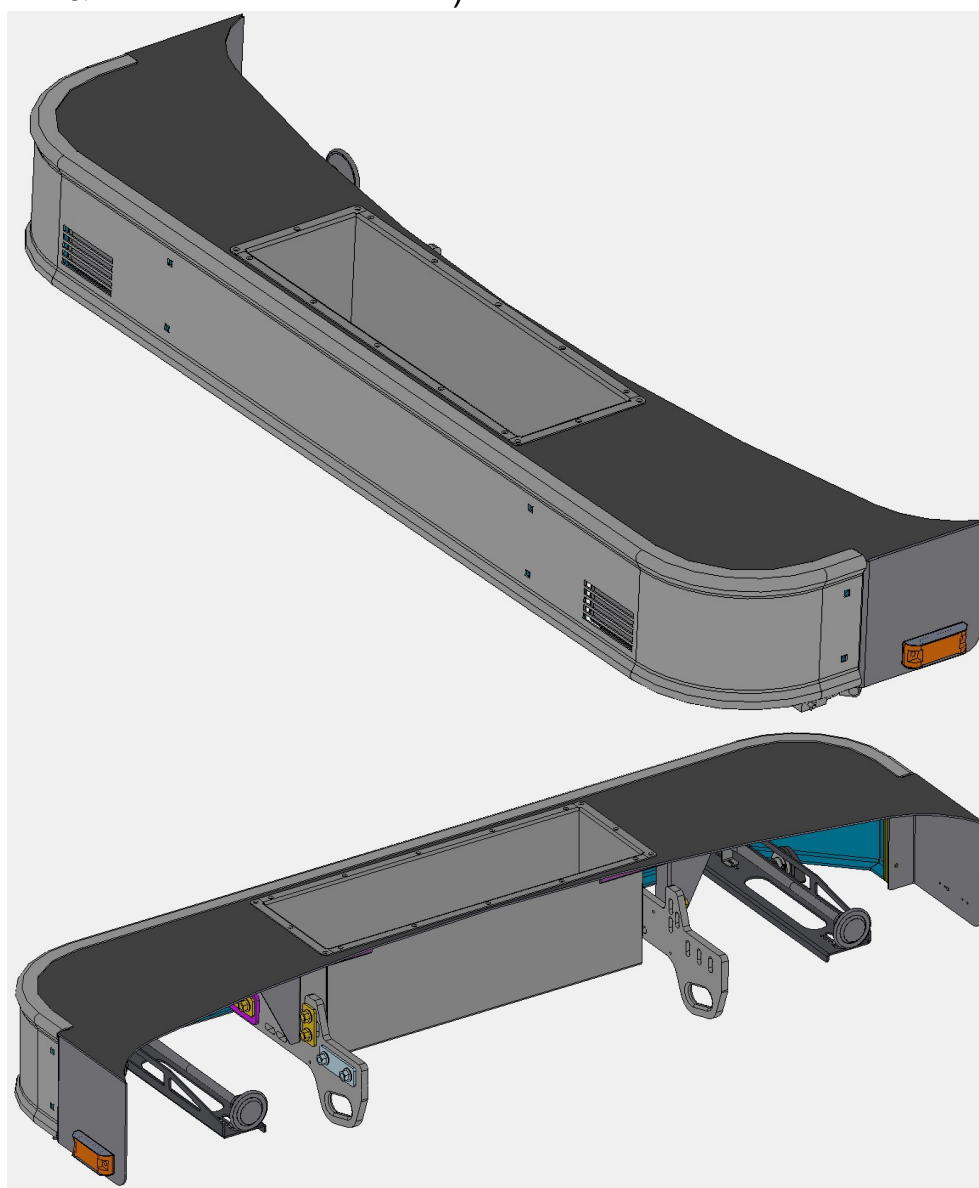




Front Bumpers (Option Group: 200)

18" Bumper Options:

18" Bumper, Stainless Steel Skin, Deep Center Trough, Rectangular Air Horns Outboard, ISL Perforations, Tow Eyes Below (ASSY Number: CHF-5765 – ISX & Painted Versions: TBD)





Front Bumpers (Option Group: 200)

18" Bumper, 4" Tall Lid:

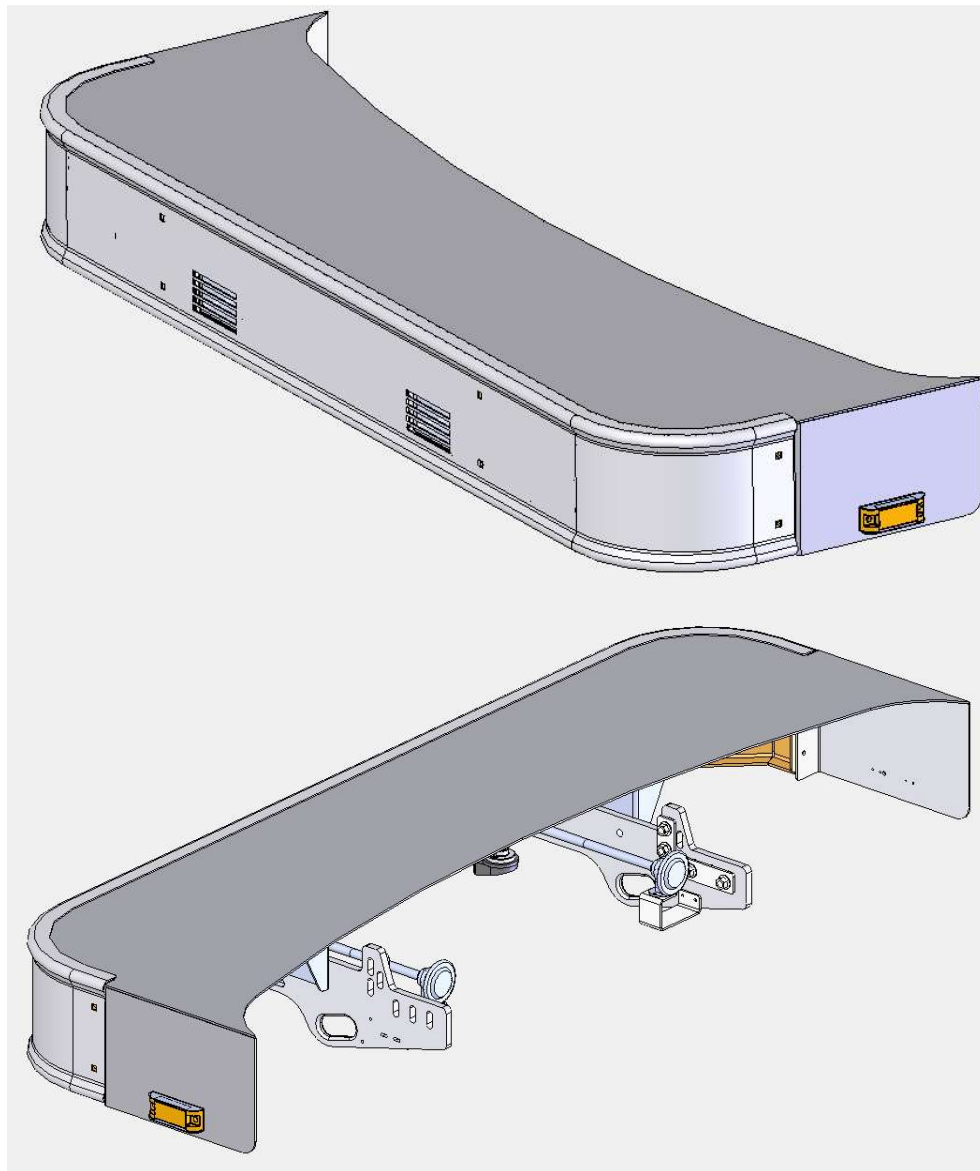
18" Bumper Trough Lid, 4" Rise, Diamondplate W/Knurled Stainless Steel Handle (ASSY Number: CHF-7915-100 – For Trough W/1" Lip: CHF-7642-100)



Front Bumpers (Option Group: 200)

24" Bumper Options:

24" Bumper, Stainless Steel Skin, No Trough, Rectangular Air Horns Inboard, ISL Perforations, Tow Eyes Below (ASSY Number: CHF-7354 – ISX & Painted Versions: TBD)

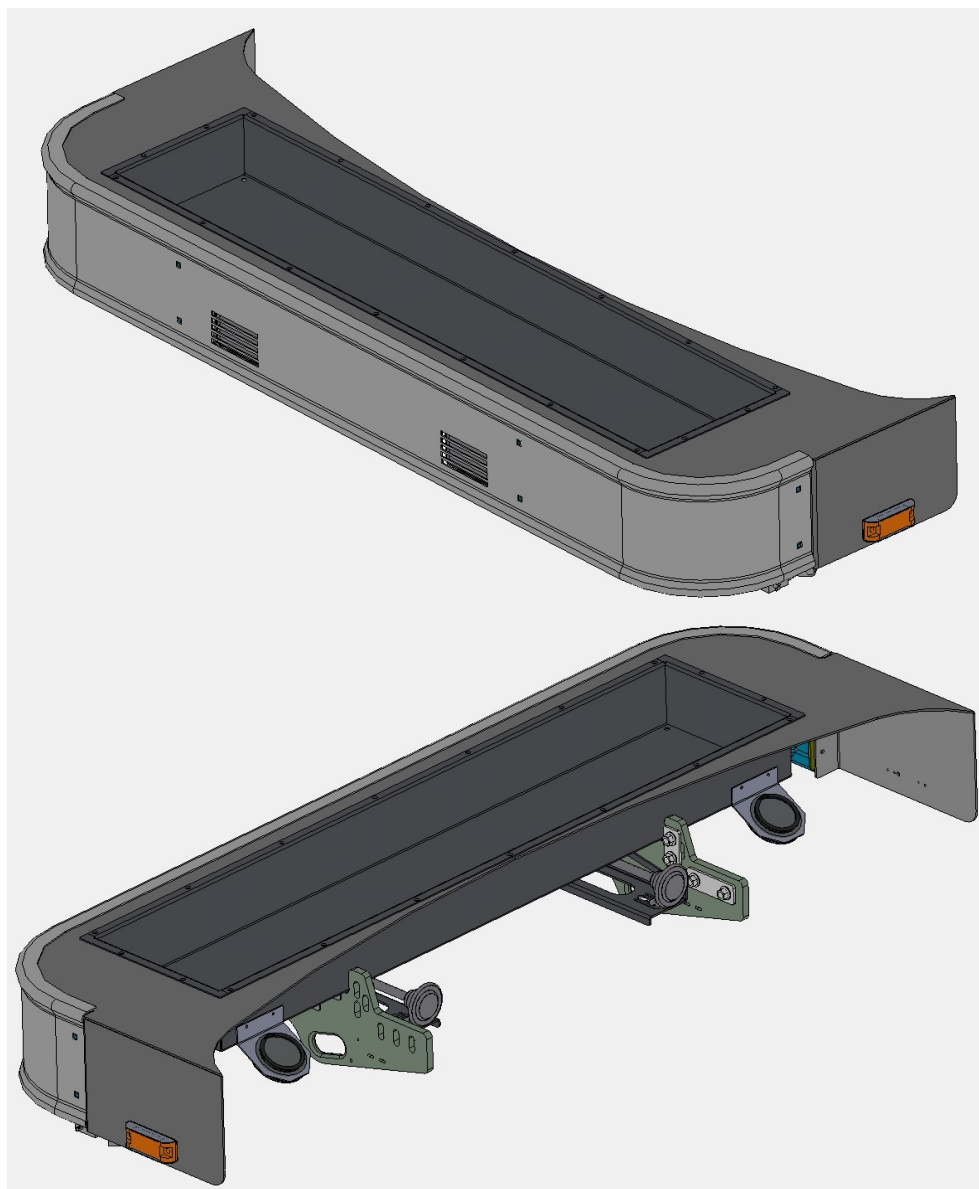




Front Bumpers (Option Group: 200)

24" Bumper Options:

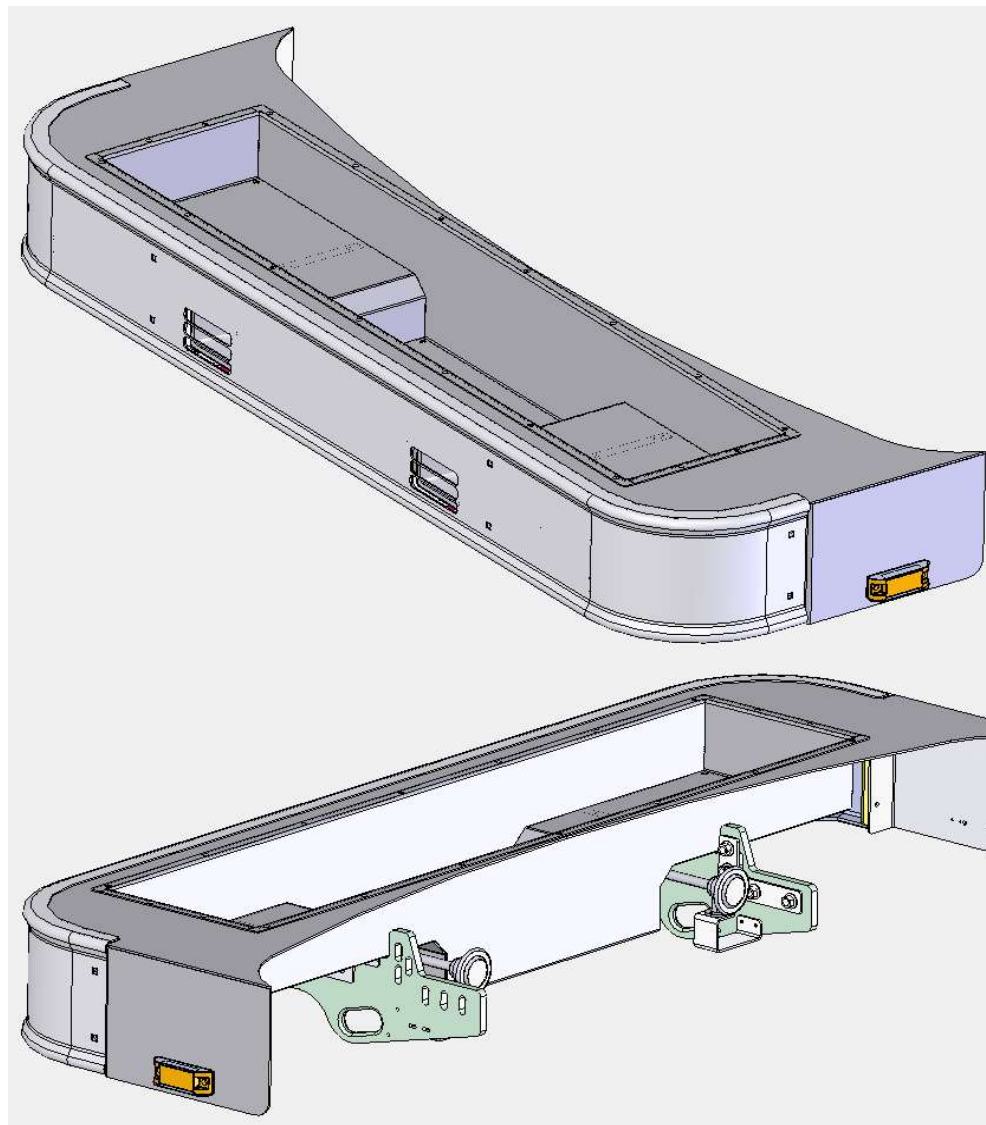
24" Bumper, Stainless Steel Skin, Full Width/Shallow Trough, Rectangular Air Horns Inboard, ISL Perforations, Tow Eyes Below (ASSY Number: CHF-5734 – ISX & Painted Versions: TBD)



Front Bumpers (Option Group: 200)

24" Bumper Options:

24" Bumper, Stainless Steel Skin, Full Width/Deep Center Trough, Rectangular Air Horns Inboard, ISX Perforations, Tow Eyes Below (ASSY Number: CHF-6021 – ISL Version: CHF-6010)

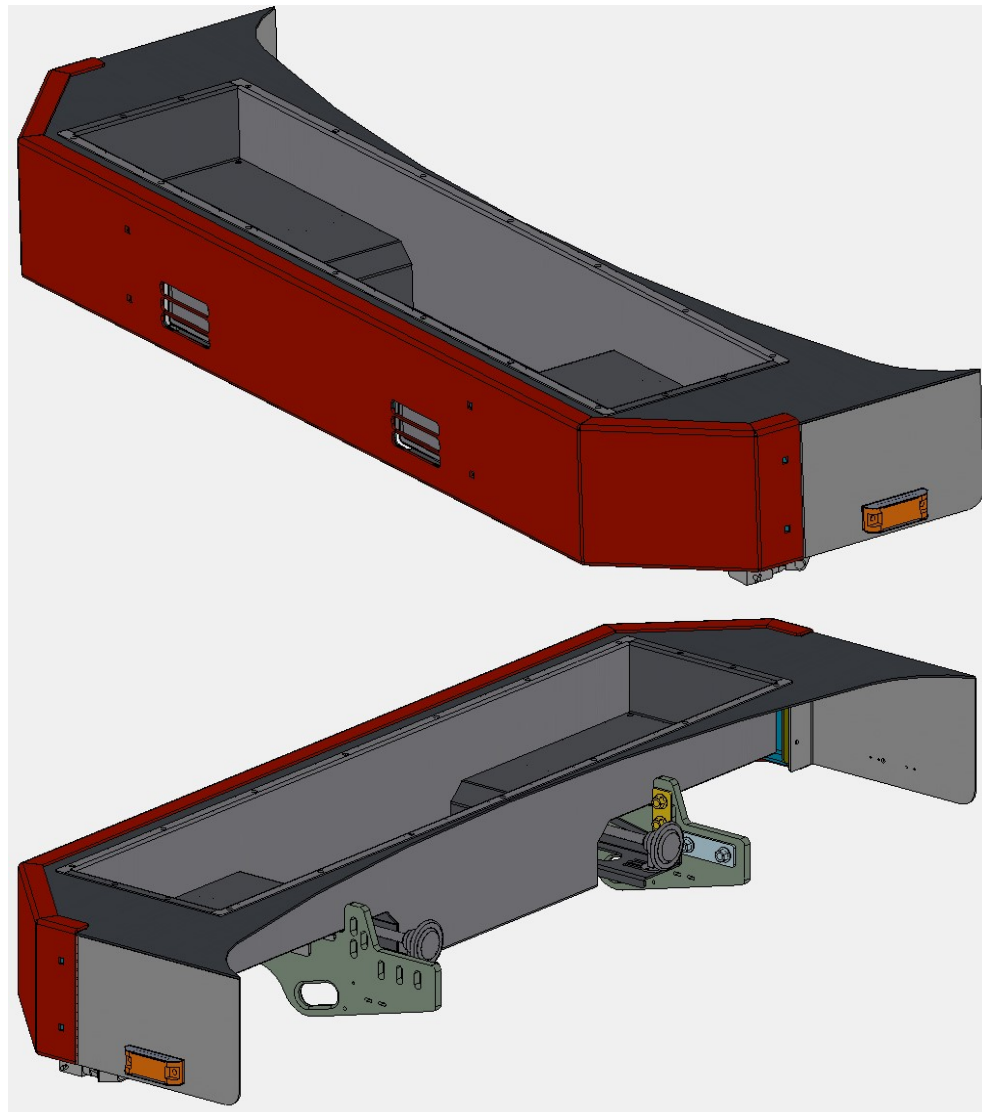




Front Bumpers (Option Group: 200)

24" Bumper Options:

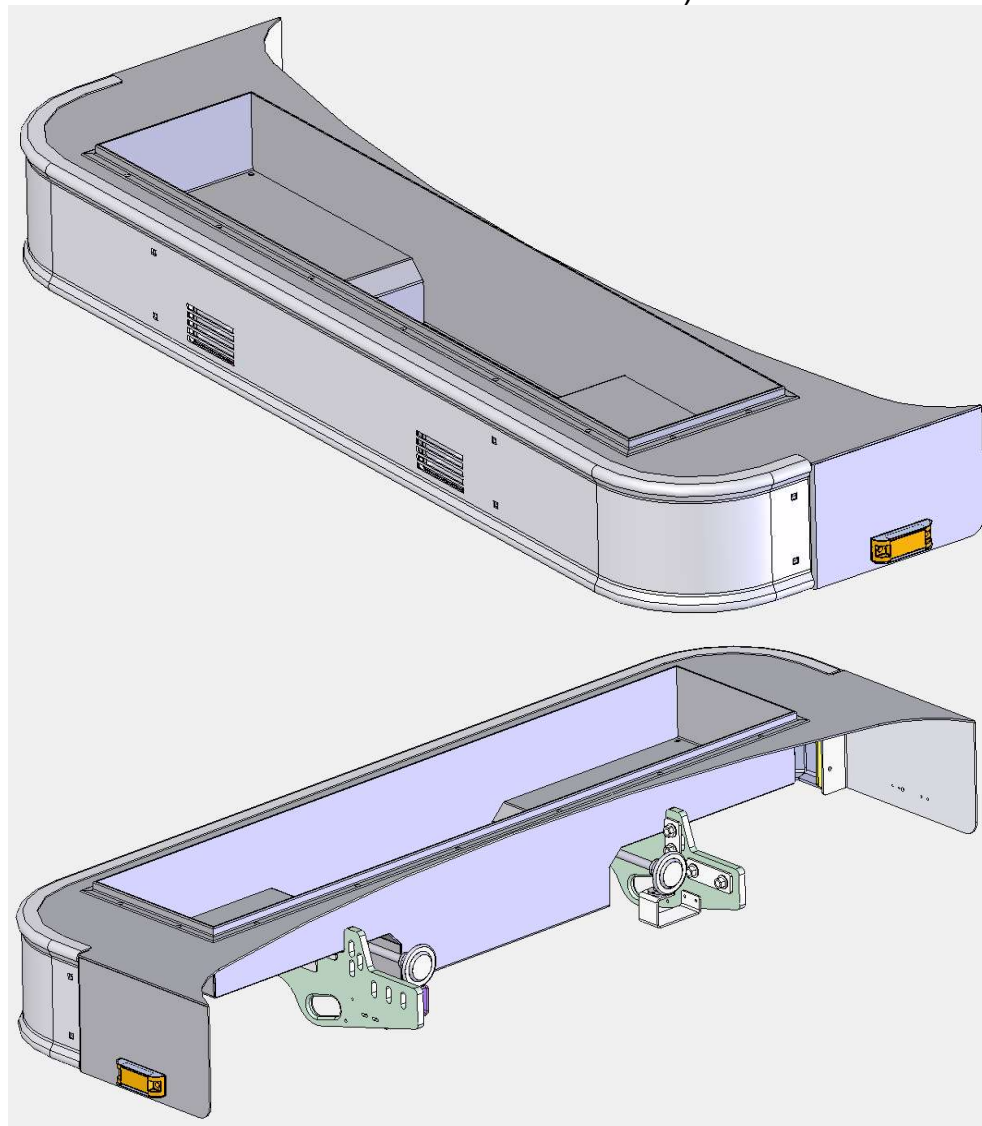
24" Bumper, Painted Steel Skin, Full Width/Deep Center Trough, Rectangular Air Horns Inboard, ISX Perforations, Tow Eyes Below (ASSY Number: CHF-5753 – ISL Version: TBD)



Front Bumpers (Option Group: 200)

24" Bumper Options:

24" Bumper, Stainless Steel Skin, Full Width/Deep Center Trough W/1" Lip, Rectangular Air Horns Inboard, ISL Perforations, Tow Eyes Below (ASSY Number: CHF-7009 – ISX & Painted Versions: TBD)

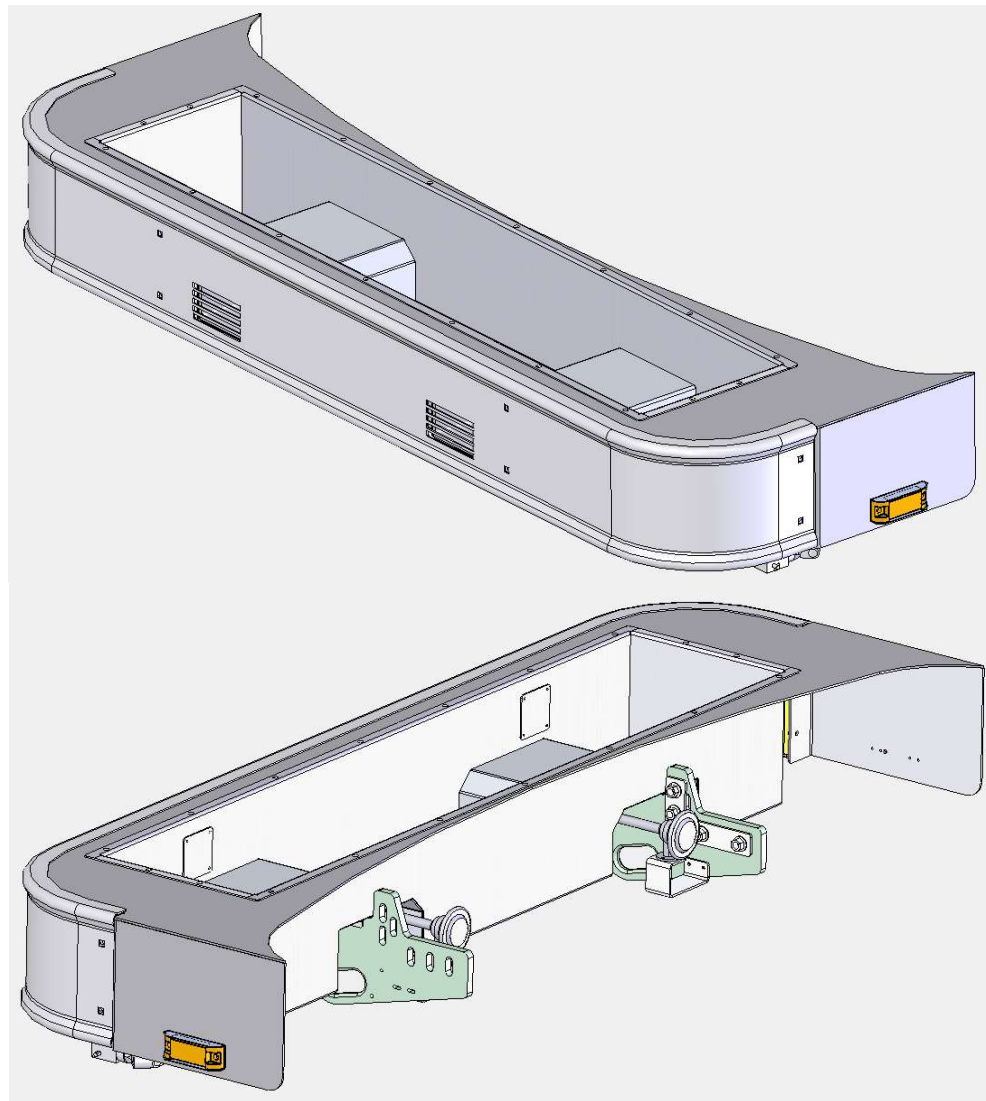




Front Bumpers (Option Group: 200)

24" Bumper Options:

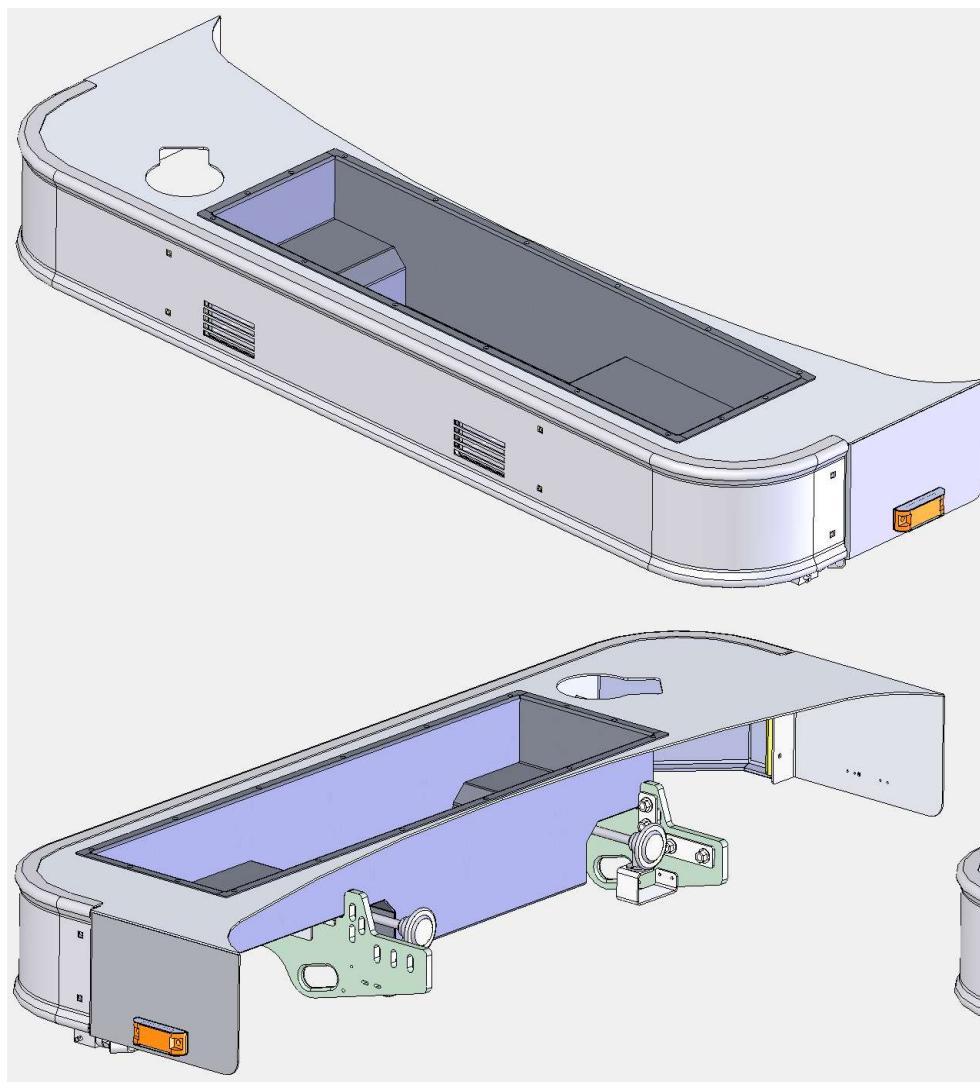
24" Bumper, Stainless Steel Skin, Full Width/All Deep Compartments, Rectangular Air Horns Inboard, ISL Perforations, Tow Eyes Below (ASSY Number: CHF-6053 – ISX & Painted Versions: TBD)



Front Bumpers (Option Group: 200)

24" Bumper Options (front suction options):

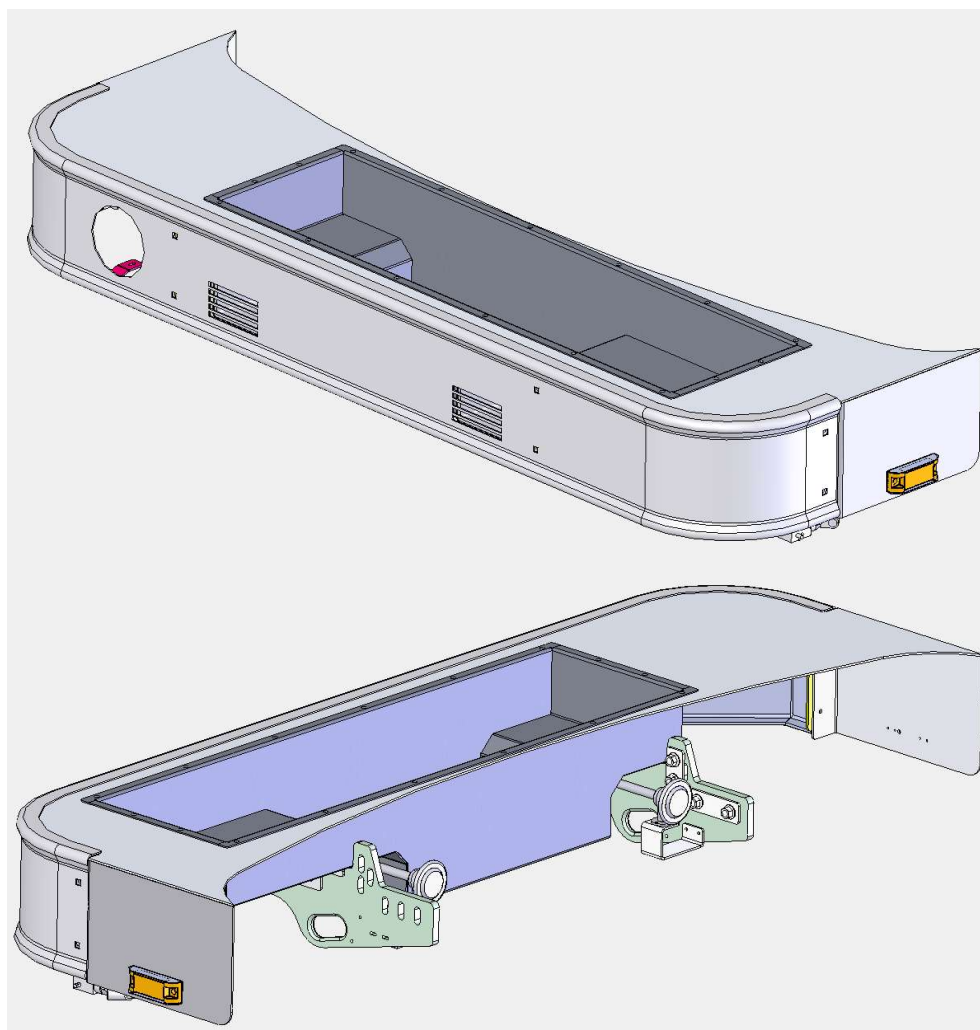
24" Bumper, Stainless Steel Skin, 3/4 Width/Deep Center Trough, Keyhole For Top Front Suction, Rectangular Air Horns Inboard, ISL Perforations, Tow Eyes Below (ASSY Number: CHF-5932 – ISX Version: CHF: 6068 - Painted Versions: TBD)



Front Bumpers (Option Group: 200)

24" Bumper Options (front suction options):

24" Bumper, Stainless Steel Skin, 3/4 Width/Deep Center Trough, Hole For Thru Front Suction, Rectangular Air Horns Inboard, ISL Perforations, Tow Eyes Below (ASSY Number: CHF-6046 – ISX Version & Painted Versions: TBD)



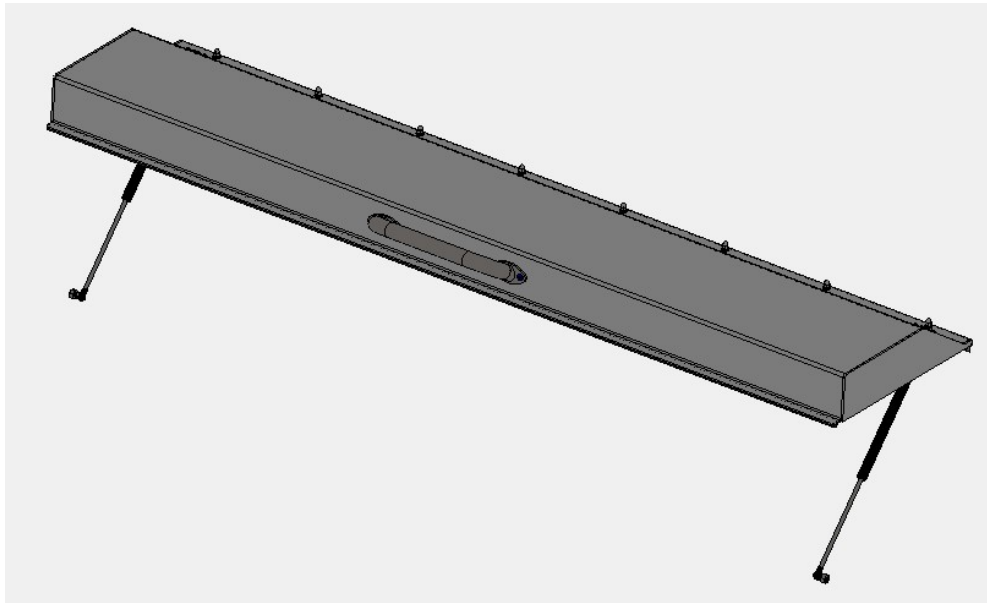


SUTPHEN CORPORATION

Front Bumpers (Option Group: 200)

24" Bumper, 4" Tall Lid:

24" Bumper Trough Lid, 4" Rise, Diamondplate W/Knurled Stainless Steel Handle (ASSY Number: CHF-7505-100 – For Trough W/1" Lip: CHF-7715-100)

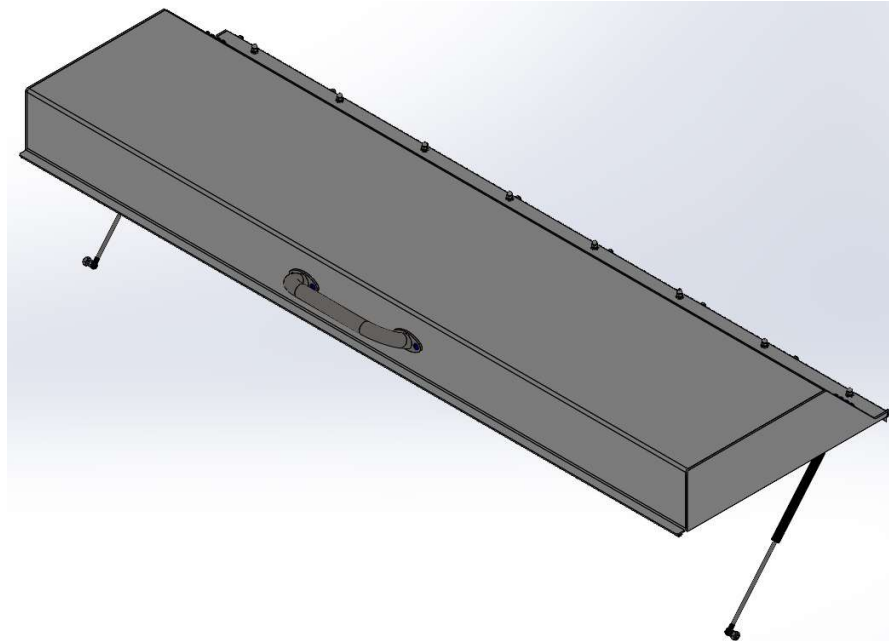




Front Bumpers (Option Group: 200)

24" Bumper, 6" Tall Lid:

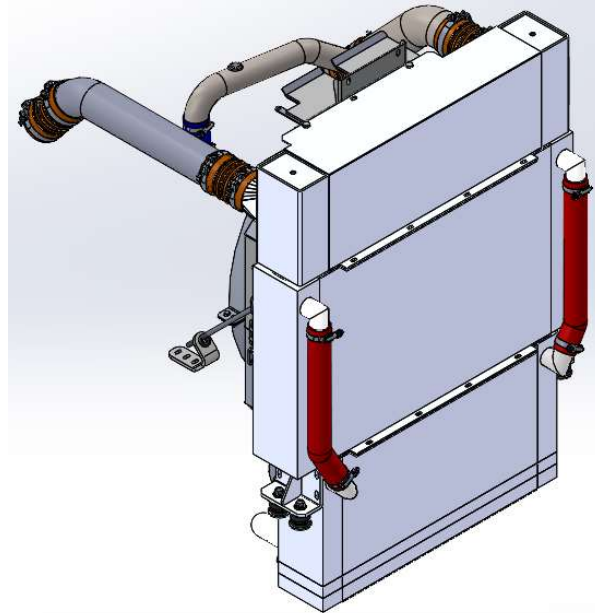
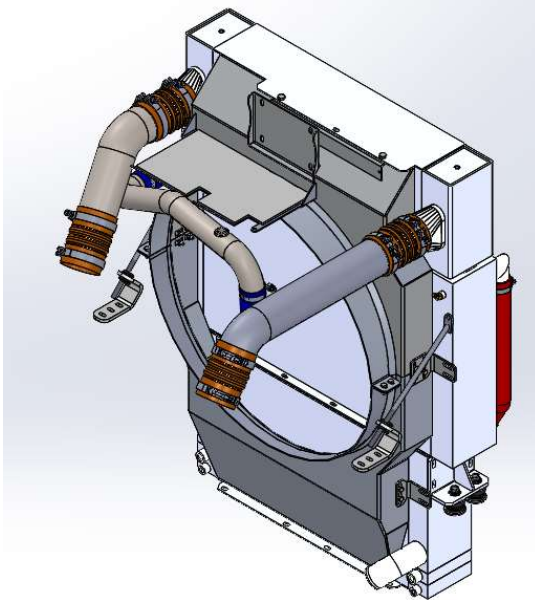
24" Bumper Trough Lid, 6" Rise, Diamondplate W/Knurled Stainless Steel Handle (ASSY Number: CHF-9712-100 – For Trough W/1" Lip: CHF-9920-100)



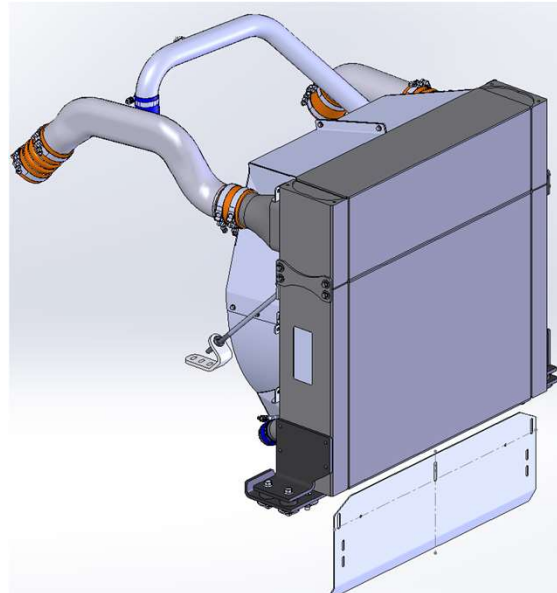
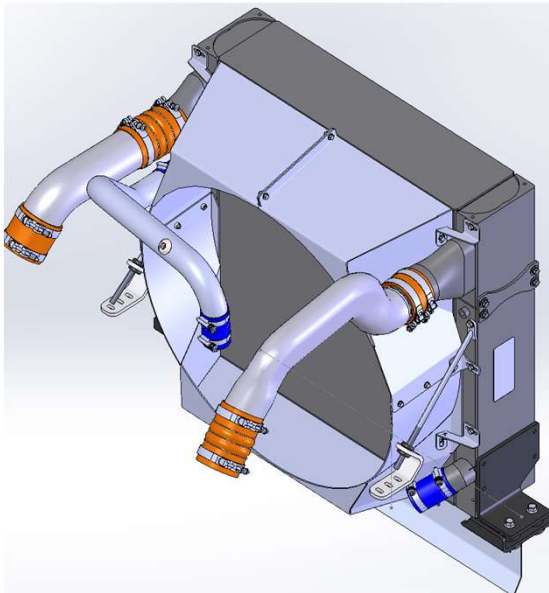
Cooling System Options (Option Group: 210)

OPTIONS	DESCRIPTION
21021200	COOLING SYSTEM
21021210	COOLING SYSTEM FOR X15
21030000	FAN CLUTCH
21030005	FAN CLUTCH (NOT PROVIDED)
21030195	COOLANT FILTER
21030200	RADIATOR COOLANT RECOVERY, PRESSURIZED SYST
21030500	LONG LIFE ANTIFREEZE, 50/50 MIX

21021200:



21021210:

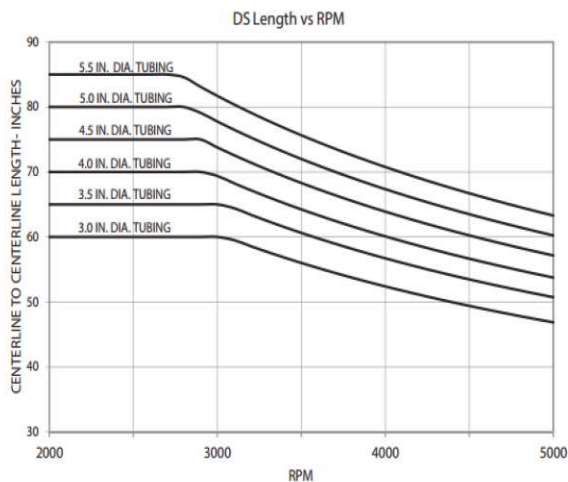




Driveline Options (Option Group: 220)

OPTION	DESCRIPTION
22010000	DRIVE LINE, SPICER, 1710 SERIES
22010001	DRIVE LINE, SPICER, 1710 SERIES (Tandem)
22010050	DRIVE LINE, SPICER, 1810 SERIES
22010100	DRIVE LINE, SPICER, 1810 SERIES (Tandem)
22010200	DRIVE LINE, SPICER, SPL250
22010250	DRIVE LINE, SPICER, SPL250 (Tandem)

Driveshaft length vs. RPM's:



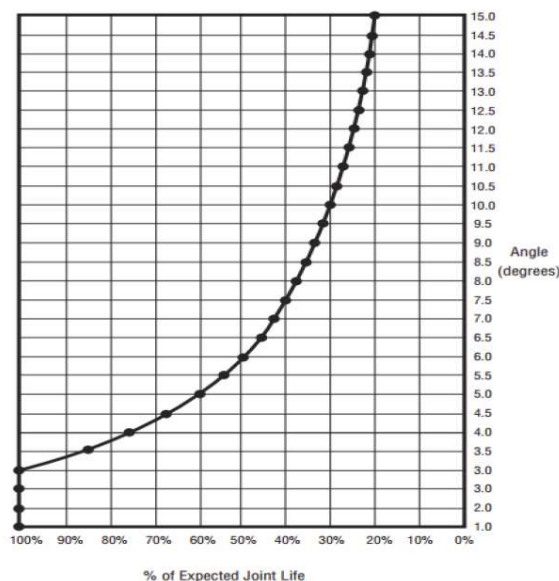
LENGTH	4.095" DIA		4.590" DIA	
	1/2 CS	SAFE RPM	1/2 CS	SAFE RPM
60	3,695	4,153	4,161	4,677
62	3,460	3,890	3,897	4,380
64	3,248	3,650	3,657	4,111
66	3,054	3,432	3,439	3,865
68	2,877	3,233	3,240	3,641
70	2,715	3,051	3,057	3,436
72	N/A	N/A	2,890	3,248
74	N/A	N/A	2,736	3,075

1/2 CS - 1/2 Critical Speed (RPM's). The point where tubing length will cause a vibration that cannot be balanced

SAFE RPM - Refers to the RPM that once exceeded can cause critical failure

U-joint life per coupling angle:

Joint Life vs. Joint Angle



The operating angles of each end of the shaft should be within 1° of each other and ideally have a max 3° operating angle for each coupling. I have seen the max for 3500 RPM reach as high as 5° 50' is some literature. Up to that point It is mainly a discussion of u-joint life.

- Cross and caps must be free of debris.
- Grease must be applied until it purges all 4 caps.
- Inspect the grease for discoloration
- Inspect the cross for signs of wear
- Straps should not be reused on a reinstall.



Engine Enclosure (Option Group: 225)

OPTION	DESCRIPTION
22510100	ENGINE ENCLOSURE, FULL LENGTH
22510102	ENGINE ENCLOSURE, FULL LENGTH, WELDED ALUM
22510110	ENGINE ENCLOSURE, SHORT LENGTH
22510112	ENGINE ENCLOSURE, SHORT LENGTH, WELDED ALUMINUM
22510300	SEVERE DUTY INSULATION PACKAGE
22510530	ENGINE ENCLOSURE COVERING, SCORPION BLACK URETHANE BLEND
22510531	ENGINE ENCLOSURE COVERING, SCORPION GRAY URETHANE BLEND
22610000	ENGINE HOOD LIGHT, HALOGEN (1)
22610005	ENGINE HOOD LIGHT, HALOGEN (2)
22610050	ENGINE HOOD LIGHT, LED (1)
22610055	ENGINE HOOD LIGHT, LED (2)

Full size engine enclosure/tunnel:



Small profile engine enclosure/tunnel (8" notch for additional leg room in crew cab):





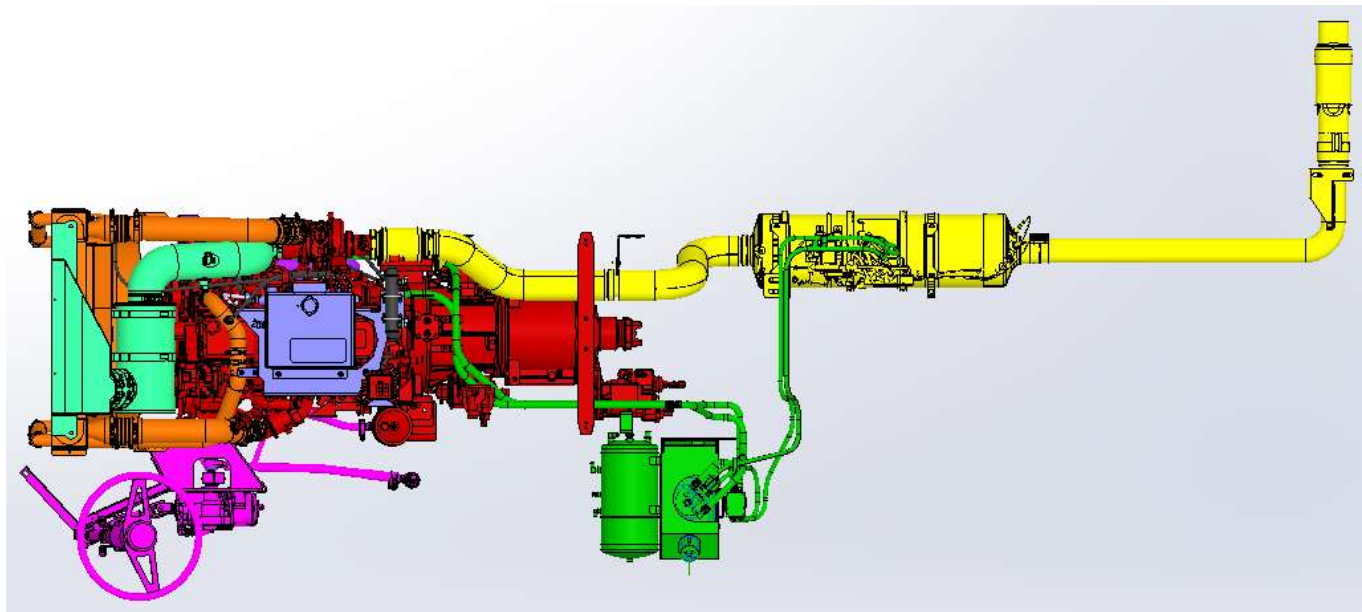
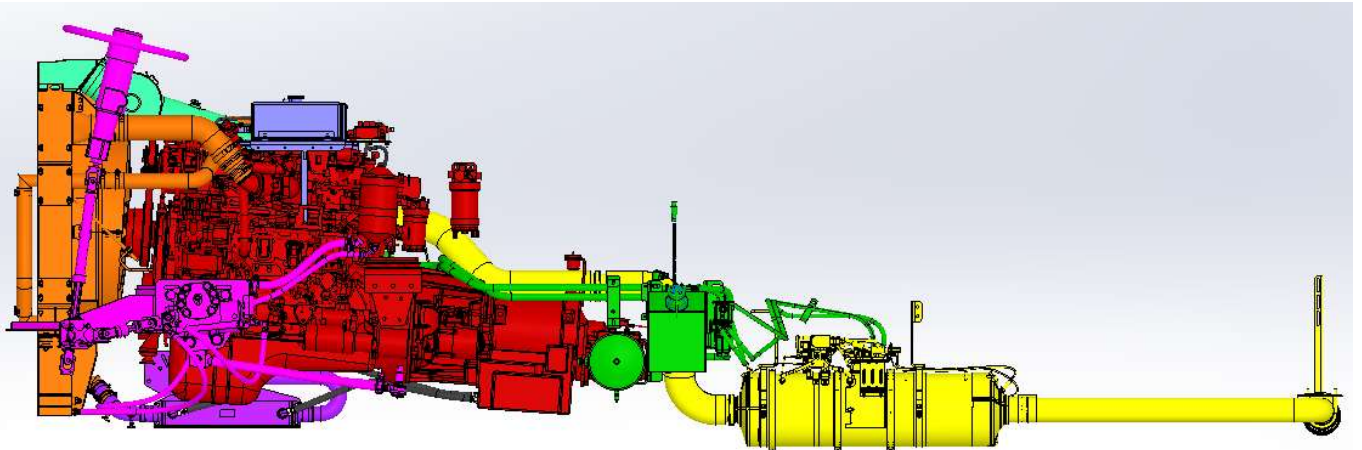
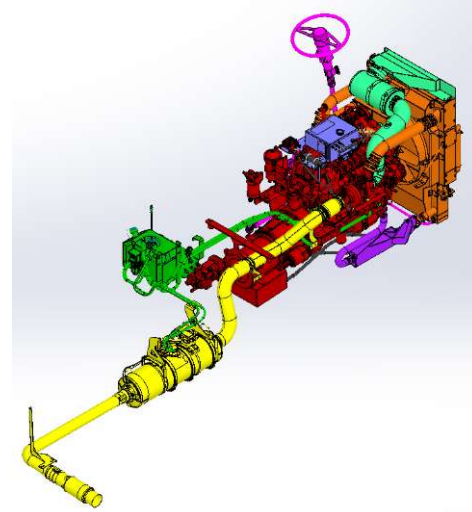
Engine Options (Option Group: 230)

<u>OPTION</u>	<u>DESCRIPTION</u>
23014110	ENGINE, CUMMINS L 9 380HP DOC-DPF-DEF-SCR OBD
23014120	ENGINE, CUMMINS L 9 400HP DOC-DPF-DEF-SCR OBD
23014130	ENGINE, CUMMINS L 9 450HP DOC-DPF-DEF-SCR OBD
23014220	ENGINE, CUMMINS X 12 455HP DOC-DPF-DEF-SCR OBD
23014230	ENGINE, CUMMINS X 12 500HP DOC-DPF-DEF-SCR OBD
23014240	ENGINE, CUMMINS X 12 525HP DOC-DPF-DEF-SCR OBD
23014310	ENGINE, CUMMINS X 15 605HP DOC-DPF-DEF-SCR OBD
23029100	ENGINE WARRANTY, 5 YEAR, 100,000 MILES FOR CUMMINS L9
23029102	ENGINE WARRANTY, 5 YEAR, 200,000 MILES FOR CUMMINS L9
23029105	ENGINE WARRANTY, 6 YEAR, 100,000 MILES FOR CUMMINS L9
23029110	ENGINE WARRANTY, 7 YEAR, 100,000 MILES FOR CUMMINS L9
23029115	ENGINE WARRANTY, 8 YEAR, 100,000 MILES FOR CUMMINS L9
23029120	ENGINE WARRANTY, 10 YEAR, 200,000 MILES FOR CUMMINS L9 MAJOR COMPONENTS COVERAGE (FCM)
23029200	ENGINE WARRANTY, 5 YEAR, 100,000 MILES FOR CUMMINS X12 / X15
23029205	ENGINE WARRANTY, 6 YEAR, 100,000 MILES FOR CUMMINS X12 / X15
23029210	ENGINE WARRANTY, 7 YEAR, 100,000 MILES FOR CUMMINS X12 / X15
23029215	ENGINE WARRANTY, 8 YEAR, 100,000 MILES FOR CUMMINS X12 / X15
23029220	ENGINE WARRANTY, 10 YEAR, 200,000 MILES FOR CUMMINS X12 / X15 MAJOR COMPONENTS COVERAGE (FCM)
23029300	AFTERTREATMENT WARRANTY, 5 YEAR, 100,000 MILES FOR CUMMINS L9
23029302	AFTERTREATMENT WARRANTY, 5 YEAR, 200,000 MILES FOR CUMMINS L9
23029305	AFTERTREATMENT WARRANTY, 6 YEAR, 100,000 MILES FOR CUMMINS L9
23029310	AFTERTREATMENT WARRANTY, 7 YEAR, 100,000 MILES FOR CUMMINS L9
23029315	AFTERTREATMENT WARRANTY, 8 YEAR, 100,000 MILES FOR CUMMINS L9
23029400	AFTERTREATMENT WARRANTY, 5 YEAR, 100,000 MILES FOR CUMMINS X12 / X15
23029405	AFTERTREATMENT WARRANTY, 6 YEAR, 100,000 MILES FOR CUMMINS X12 / X15
23029410	AFTERTREATMENT WARRANTY, 7 YEAR, 100,000 MILES FOR CUMMINS X12 / X15
23029415	AFTERTREATMENT WARRANTY, 8 YEAR, 100,000 MILES FOR CUMMINS X12 / X15
23029499	ENGINE AFTERTREATMENT WARRANTY NOT PROVIDED



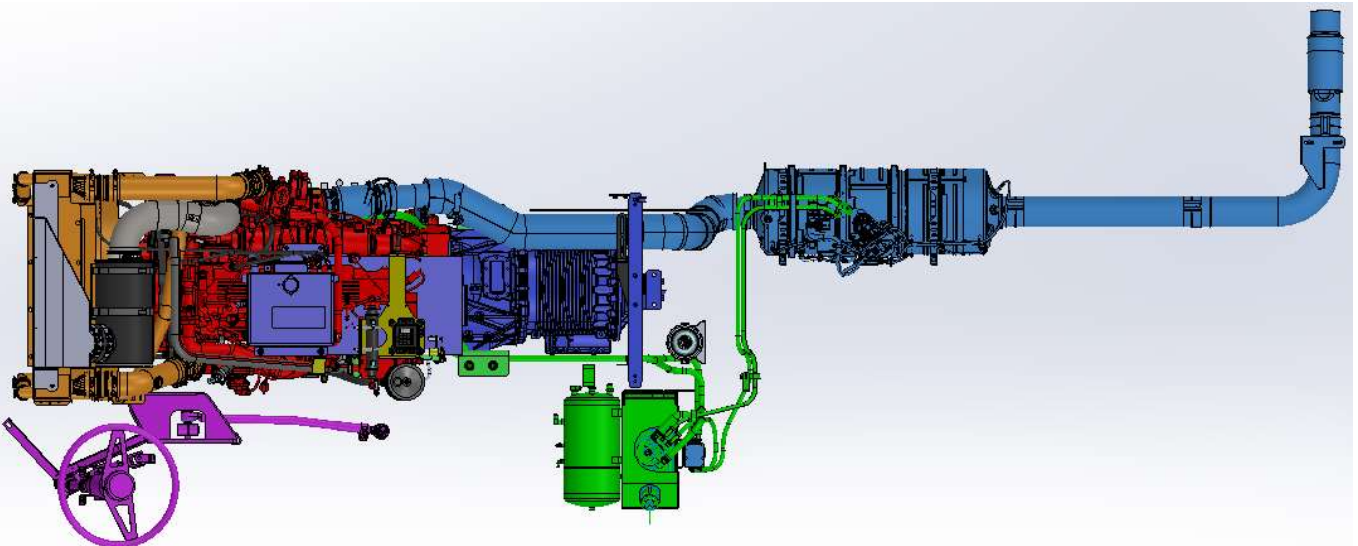
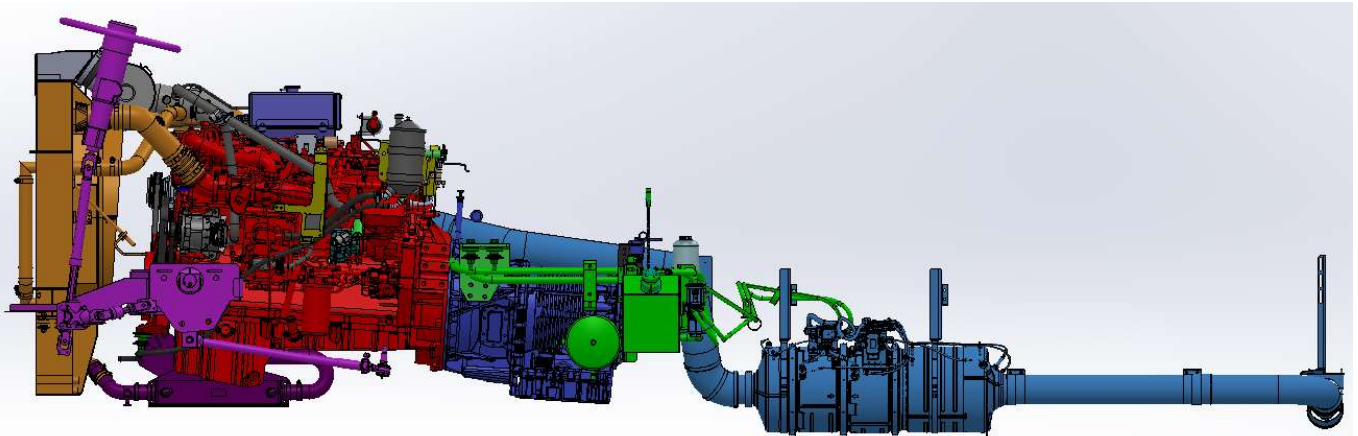
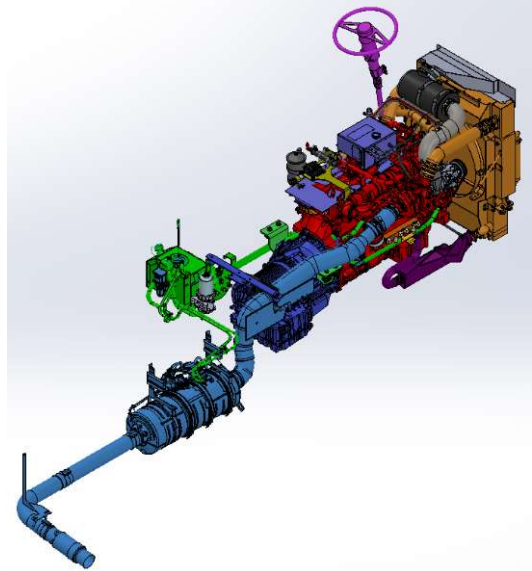
Engine Options (Option Group: 230)

Cummins L9 Powertrain:



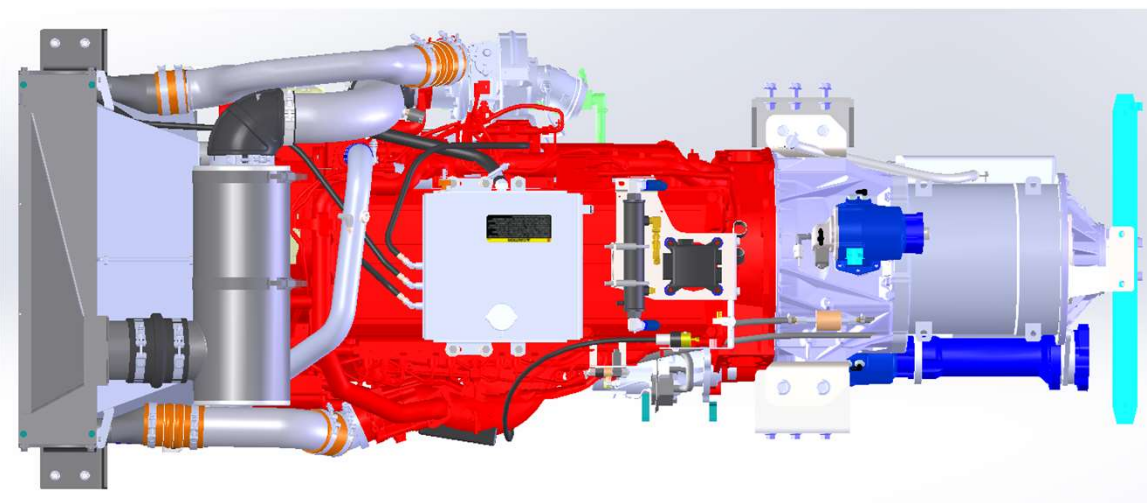
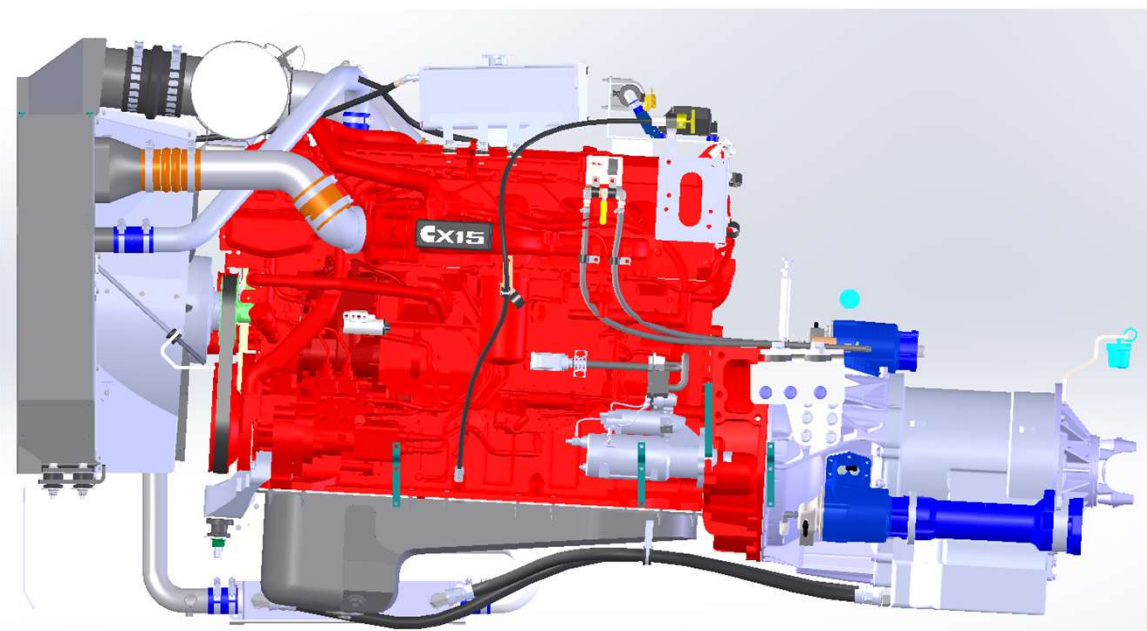
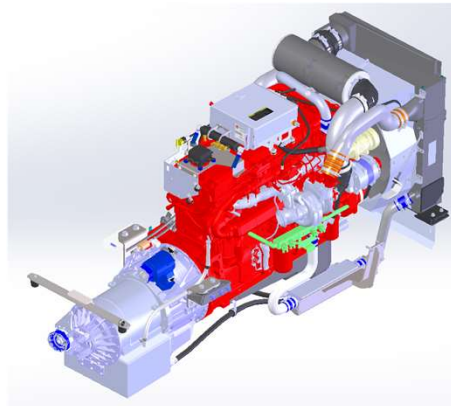
Engine Options (Option Group: 230)

Cummins X12 Powertrain:



Engine Options (Option Group: 230)

Cummins X15 Powertrain:



Additional Engine Options (Option Group: 230/231/240)

OPTION	DESCRIPTION
23030006	AIR INTAKE/EMBER SEPARATOR
23030300	EMERGENCY SHUT-DOWN (X12/X15)
23030375	EMERGENCY SHUT-DOWN (L9)
23030550	ENGINE BLOCK HEATER, KIM HOT START W/20A AUTO EJECT
23030700	ELECTRIC FUEL PRIMER
23031173	FUEL FILTER/WATER SEPARATOR, PRIMARY, FLEETGUARD, FS1098
23031176	FUEL FILTER/WATER SEPARATOR, PRIMARY, FLEETGUARD FUEL PRO FH230
23031180	12VDC HEATER FOR FLEETGUARD FUEL/WATER SEPARATOR
23031210	FUEL FILTER, SECONDARY, FLEETGUARD, FF63009
23031220	FUEL FILTER, SECONDARY, FLEETGUARD, FF825NN
23040100	CUMMINS INLINE MINI DATA LINK ADAPTER
23080202	ENGINE, PACCAR PX-9 360 HP & EVS 3000 TRANS
23080205	ENGINE, CUMMINS ISX 15 500 HP & EVS 4500 TRANS
23080210	ENGINE, CUMMINS L9 350HP DOC-DPF-DEF-SCR OBD & EVS3000 TRANSMISSION
23080220	ENGINE, NAVISTAR 13 430 HP & EVS4000 TRANS
23110000	JACOBS ENGINE BRAKE
23110005	JACOBS ENGINE BRAKE FOR CUMMINS L ENGINES
23110100	DELETE JACOBS ENGINE BRAKE
24012000	DEF TANK NOT PROVIDED
24030100	HEAT SHIELD OVER EXHAUST
24040000	DIESEL EXHAUST FLUID TANK
24040010	DIESEL EXHAUST FLUID TANK, BEHIND EXTERIOR OF CAB

****NEW L9 Water Manifold Hose Routing:**



Frame Options (Option Group: 250)

OPTION	DESCRIPTION
25010000	FRAME, 10" SINGLE RAILS, SINGLE AXLE (50K PSI)
25010100	FRAME, 10" DOUBLE RAILS, SINGLE AXLE (50K PSI)
25010115	FRAME, 10" DOUBLE RAILS, DOMEX, TANDEM AXLE (110K PSI)
25010250	FRAME, 10" SINGLE RAILS, DOMEX, SINGLE AXLE (110K PSI)
25010255	FRAME, 10" DOUBLE RAILS, DOMEX, SINGLE AXLE (110K PSI)
25010270	FRAME, 13" SINGLE RAILS, DOMEX, SINGLE AXLE (110K PSI)
25010275	FRAME, 13" DOUBLE RAILS, DOMEX, SINGLE AXLE (110K PSI)
25010280	FRAME, 13" DOUBLE RAILS, DOMEX, TANDEM AXLE (110K PSI)
25020120	FRAME, 10" DOUBLE RAILS, DOMEX, TANDEM AXLE - AERIAL (110K PSI)
51010310	WHEELBASE GREATER THAN 200"

- All Aerial & Industrial Products, as well as Trucks with wheelbases 200" and over will require double rails
- All frames/components are cathacoated and painted BEFORE being assembled and top coat is applied, for superior corrosion protection.

Double frame, cathacoated & painted prior to assembly, before top frame coat:



Raptor coating applied to all frames under pump area, in addition to top coat paint:





Fuel Cell/Fill Options (Option Group: 260)

OPTION	DESCRIPTION
26010000	FUEL TANK, STEEL, 65 GALLON
26010001	FUEL TANK, STEEL, 100 GALLON
26010010	FUEL TANK, STAINLESS STEEL, 65 GAL
26010011	FUEL TANK, STAINLESS STEEL, 100 GAL
26010015	FUEL TANK, STAINLESS STEEL, 50 GAL
26020100	FUEL BEAM, 65 GALLON (AERIALS)
26030000	FUEL FILL
26030050	DUAL FUEL FILL (FUEL TANK)
26030055	DUAL FUEL FILL (FUEL BEAM)
26030100	FUEL COOLER

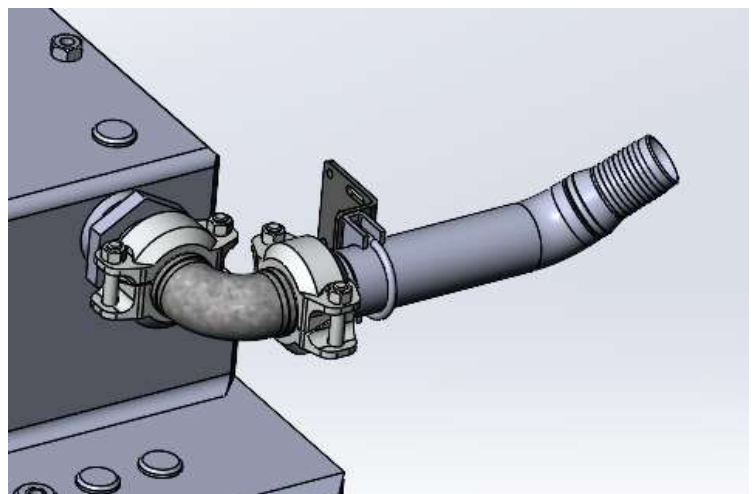
- FMCSA Certified fuel tanks
- Fuel system – tank, hoses, and fittings capable of accommodating Biodiesel fuel up to B20
- All fuel tanks are coated with Corsol Corrosion Solution



Standard fuel cap:



New Victaulic Fuel Connections:





Cab Handrail Options (Option Group: 270)

OPTION	DESCRIPTION
27022110	HANDRAILS, CAB EXTERIOR, KNURLED STAINLESS STEEL (2) SIDE & (2) BACK WALL
27022120	HANDRAILS, CAB EXTERIOR, KNURLED STAINLESS STEEL (4) SIDE
27022125	HANDRAILS, CAB EXTERIOR, KNURLED STAINLESS STEEL (3) SIDE
27022130	HANDRAILS, CAB EXTERIOR, KNURLED STAINLESS STEEL (2) SIDE
27022150	HANDRAILS, CAB EXTERIOR, HANSEN BACKLIT (2) SIDE & (2) BACK WALL
27022155	HANDRAILS, CAB EXTERIOR, HANSEN BACKLIT (4) SIDE
27022160	HANDRAILS, CAB EXTERIOR, HANSEN BACKLIT (3) SIDE
27022165	HANDRAILS, CAB EXTERIOR, HANSEN BACKLIT (2) SIDE
27022195	ADDITIONAL HANDRAIL, CAB EXTERIOR, KNURLED STAINLESS STEEL (1) SIDE
27022198	ADDITIONAL HANDRAIL, CAB EXTERIOR, HANSEN BACKLIT (1) SIDE
27025000	HANDRAILS, CAB INTERIOR, BLACK RUBBER COATED (2) FRONT ENTRY
27025495	HANDRAILS, CAB INTERIOR, BLACK RUBBER COATED (1) REAR ENTRY
27025500	HANDRAILS, CAB INTERIOR, BLACK RUBBER COATED (2) REAR ENTRY
27025505	HANDRAILS, CAB INTERIOR, KNURLED STAINLESS STEEL (1) REAR ENTRY
27025510	HANDRAILS, CAB INTERIOR, KNURLED STAINLESS STEEL (2) REAR ENTRY
27030100	HANDRAILS, REAR CAB INTERIOR DOOR, BLACK RUBBERIZED (2) ONLY
27030110	HANDRAILS, REAR CAB INTERIOR DOOR, KNURLED STS AT WINDOW (2) ONLY
27030120	HANDRAILS, REAR CAB INTERIOR DOOR, BLACK RUBBERIZED (2) AND KNURLED STS AT WINDOW (2)
27030500	SCUFF PLATES, SIDE OF CAB, BEHIND HANDRAILS, MIRRORED STS (4)
27030505	SCUFF PLATES, SIDE OF CAB, BEHIND HANDRAILS, BRUSHED STS (4)
27030507	SCUFF PLATES, SIDE OF CAB, BEHIND HANDRAILS, MIRRORED STS (3)
27030508	SCUFF PLATES, SIDE OF CAB, BEHIND HANDRAILS, BRUSHED STS (3)
27030510	SCUFF PLATES, SIDE OF CAB, BEHIND HANDRAILS, MIRRORED STS (2)
27030515	SCUFF PLATES, SIDE OF CAB, BEHIND HANDRAILS, BRUSHED STS (2)
27030610	COAT HOOKS ON UPPER GRAB HANDRAILS, DRIVER'S SIDE (1)
27030615	COAT HOOKS ON UPPER GRAB HANDRAILS, DRIVER'S SIDE (2)
27030620	COAT HOOKS ON LOWER GRAB HANDRAILS, DRIVER'S SIDE (1)
27030625	COAT HOOKS ON LOWER GRAB HANDRAILS, DRIVER'S SIDE (2)
27030650	COAT HOOKS ON UPPER GRAB HANDRAILS, OFFICER'S SIDE (1)
27030655	COAT HOOKS ON UPPER GRAB HANDRAILS, OFFICER'S SIDE (2)
27030660	COAT HOOKS ON LOWER GRAB HANDRAILS, OFFICER'S SIDE (1)
27030665	COAT HOOKS ON LOWER GRAB HANDRAILS, OFFICER'S SIDE (2)
27030680	COAT HOOKS ON UPPER GRAB HANDRAILS, CAB INTERIOR REAR ENTRY (1)
27030685	COAT HOOKS ON UPPER GRAB HANDRAILS, CAB INTERIOR REAR ENTRY (2)
27030710	HANDRAILS, FRONT OF CAB, KNURLED STAINLESS STEEL (PAIR)
27030712	HANDRAILS, FRONT OF CAB, HANSEN BACKLIT (PAIR)
27030725	SCUFF PLATES, FRONT OF CAB, BEHIND HANDRAILS, MIRRORED STS (PAIR)
27030730	SCUFF PLATES, FRONT OF CAB, BEHIND HANDRAILS, BRUSHED STS (PAIR)

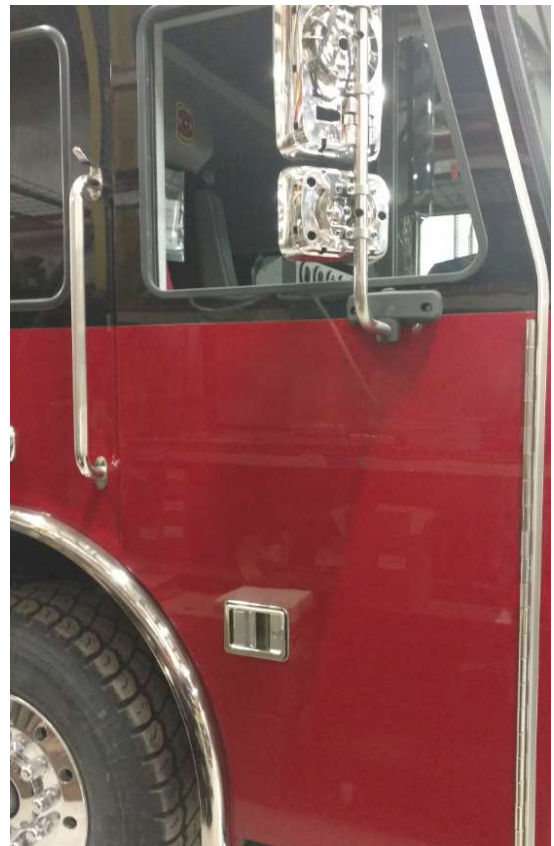


Cab Exterior Handrail Options, cont'd (Option Group: 270)

Exterior stainless handrails:



**Exterior stainless handrails
w/upper coat hooks:**



**Front Handrails, Sutphen Headlight
Housings:**



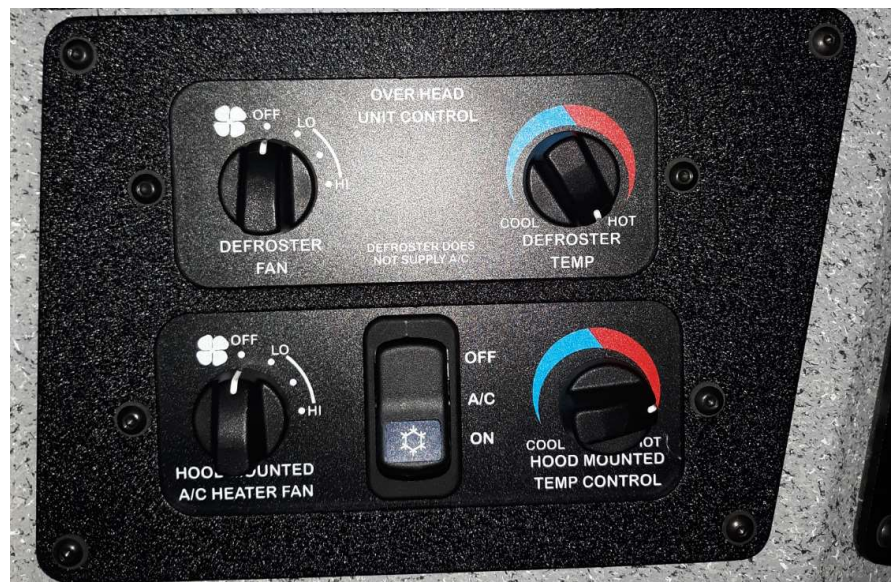
**Front Handrails, Guardian Headlight
Housings:**



Cab Heating & Air Conditioning (Option Group: 280)

OPTION	DESCRIPTION
28010050	DEFROSTER ONLY
28010710	DEFROSTER & HEATER (NO A/C)
28010740	DEFROSTER, HEATER & A/C (COMPACT)
28010750	DEFROSTER, HEATER & A/C-SEVERE CLIM (COMPACT)

Climate Control arrangement:



Heat or heat/AC, as shown on engine tunnel hood:





Cab Heating & Air Conditioning, cont'd (Option Group: 280)

OPTION	DESCRIPTION
28030000	METAL VENT COVERS FOR DEFROSTER/AC
28030300	EXHAUST FAN, 715 CFM, IN CREW CAB
28030350	EXHAUST FAN, 400 CFM, IN CREW CAB
28030500	DEFROSTER DUCTWORK, ENTIRE WINDSHIELD
28031000	FAN, 12 VOLT, DRIVER'S SIDE, MOUNTED INBOARD, NEXT TO DEFROSTER
28031001	FAN, 12 VOLT, DRIVER'S SIDE, MOUNTED OUTBOARD OF WINDSHIELD
28031100	FAN, 12 VOLT, OFFICER'S SIDE, MOUNTED INBOARD, NEXT TO DEFROSTER
28031101	FAN, 12 VOLT, OFFICER'S SIDE, MOUNTED OUTBOARD OF WINDSHIELD
28032000	RV AIR CONDITIONER 15,000 BTU (SHORELINE)
28032001	RV AIR CONDITIONER 15,000 BTU (GENERATOR)
28032010	DEFLECTOR, TREADPLATE, FORWARD OF RV AC
28032012	DEFLECTOR, TREADPLATE, FORWARD AND SIDES OF RV AC
28032015	DEFLECTOR, PAINTED, FORWARD OF RV AC
28032020	DEFLECTOR, PAINTED, FORWARD AND SIDES OF RV AC
28090003	HEAT TO FEET
28090100	A/C TO FACE

28030500/28031000/28031100:



28030000:





Cab Heating & Air Conditioning, cont'd (Option Group: 280)

28032000 Dometic RVAC:



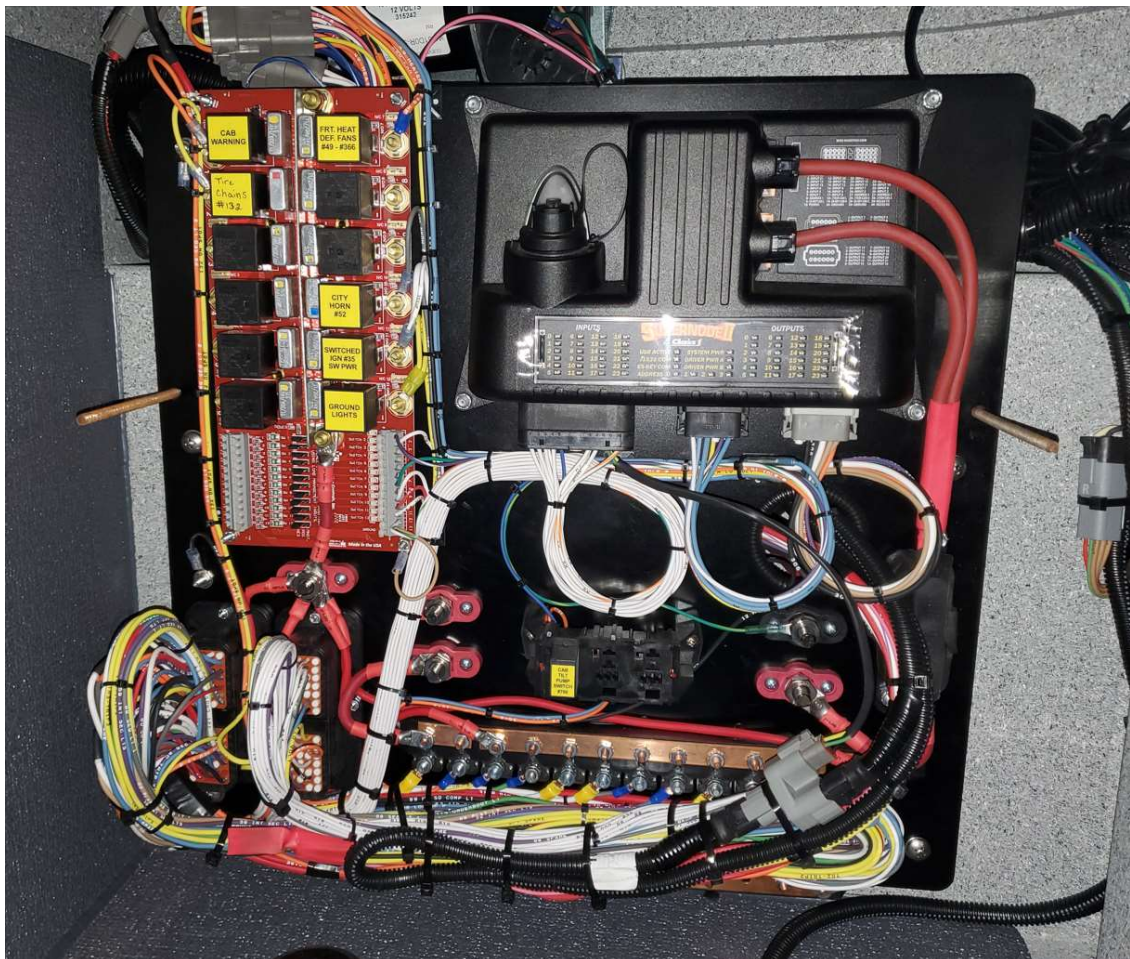
28090100
AC to Face:



Load Managers (Option Group: 299)

OPTION	DESCRIPTION
29810100	CHASSIS ELECTRICAL DESCRIPTION
29810200	CHASSIS ELECTRICAL SYSTEM, MULTIPLEX, WELDON, VMUX, 1 VISTA SCREEN
29810205	CHASSIS ELECTRICAL SYSTEM, MULTIPLEX, WELDON, VMUX, 2 VISTA SCREENS
29810220	CHASSIS ELECTRICAL SYSTEM, MULTIPLEX, WELDON, VMUX, 1 VISTA SCREEN (AERIAL)
29810225	CHASSIS ELECTRICAL SYSTEM, MULTIPLEX, WELDON, VMUX, 2 VISTA SCREENS (AERIAL)
29810300	CHASSIS ELECTRICAL SYSTEM, MULTIPLEX, CLASS ONE, ES-KEY, 1 SCREEN
29810305	CHASSIS ELECTRICAL SYSTEM, MULTIPLEX, CLASS ONE, ES-KEY, 2 SCREENS
29810320	CHASSIS ELECTRICAL SYSTEM, MULTIPLEX, CLASS ONE, ES-KEY, 1 SCREEN (AERIAL)
29810325	CHASSIS ELECTRICAL SYSTEM, MULTIPLEX, CLASS ONE, ES-KEY, 2 SCREENS (AERIAL)
29910000	LOAD MANAGER, CLASS-1
29910100	PROGRAMMABLE LOAD MANAGER, CLASS-1 SUPERNODE II
29930200	MAPBOOK SLOT ON BREAKER PANEL
29930210	DELETE MAPBOOK SLOT ON FRONT BREAKER PANEL
29980000	LOAD MANAGER, DIAMOND LOGIC
29981000	LOAD MANAGER, NOT PROVIDED

29910100:



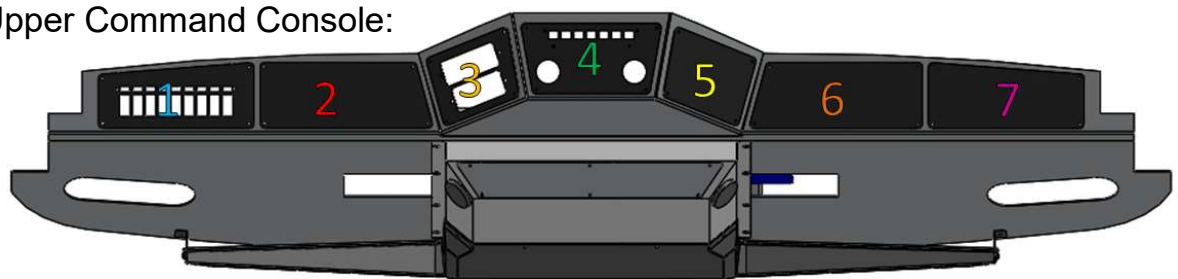
Instrumentation/Upper Command Console Options (Option Group: 300)

OPTION	OPTION DESCRIPTION
30010130	INSTRUMENTATION, AMETEK W/ CENTER & OVERHEAD CONSOLES
30010135	INSTRUMENTATION, AMETEK W/ CENTER & OVERHEAD CONSOLES (AERIALS)
30010230	INSTRUMENTATION, AMETEK GAUGES, FOR MULTIPLEX W/CENTER & OVERHEAD CONSOLE
30010235	INSTRUMENTATION, AMETEK GAUGES, FOR MULTIPLEX W/CENTER & OVERHEAD CONSOLE (AERIALS)

Dash, constructed of thermoformed ABS 750 w/Ametek gauges:



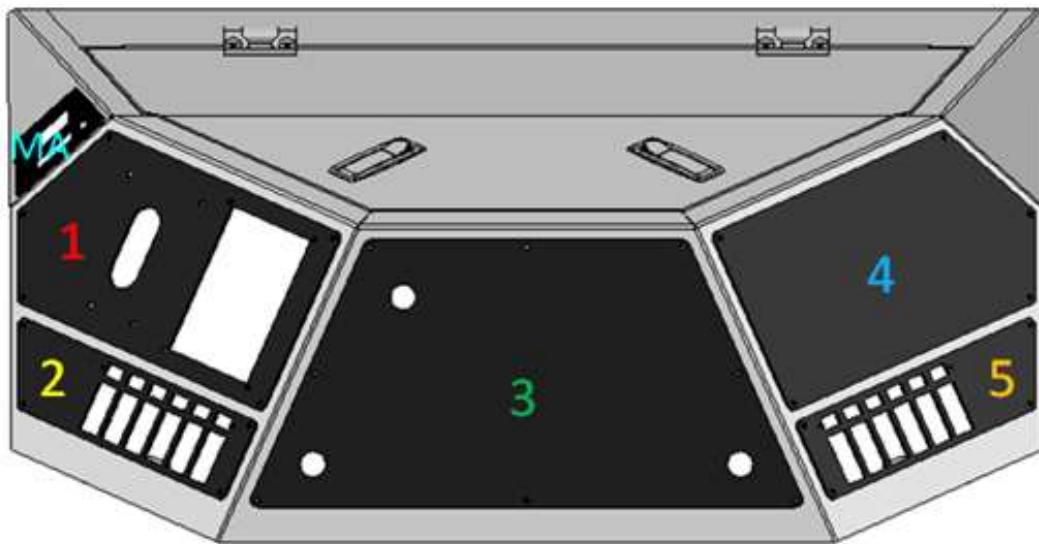
Upper Command Console:



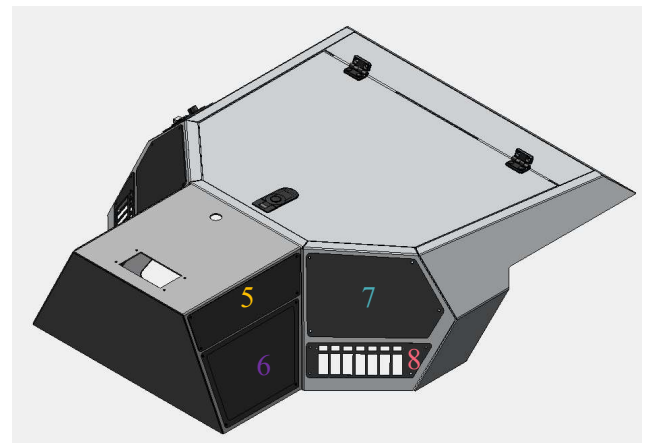
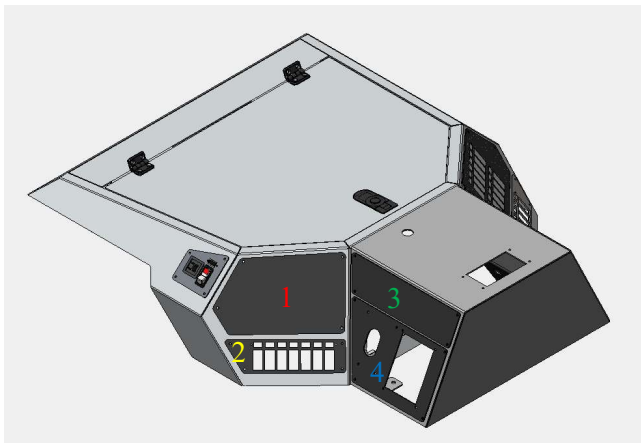
Lower Command Console Options (Option Group: 300)

OPTION	DESCRIPTION
30010500	LOWER COMMAND CONSOLE, L9 & X12
30010505	LOWER COMMAND CONSOLE W/EXTENSION, L9 & X12
30010510	LOWER COMMAND CONSOLE, X15

Lower Command Console (9L & 12L engines):



Lower Command Console (15L engine):





Cab Electrical Options (Option Group: 300/301)

OPTION	DESCRIPTION
30010610	CAB PUMP SHIFTER, ELECTRIC W/YELLOW KNOB (FOR HALE G-SERIES / WATEROUS C20 PUMP TRANSMISSION)
30010710	CAB PUMP SHIFTER, AIR (FOR HALE G-SERIES / WATEROUS C20 PUMP TRANSMISSION)
30010720	CAB PUMP SHIFTER, AIR, KPS SHIFTER (FOR HALE K-SERIES PUMP TRANSMISSION)
30010800	CAB PUMP SHIFT, INTEGRATED IN MULTIPLEX SCREEN
30010900	DELETE CAB PUMP SHIFT
30011000	PUMP INTERLOCK, NOT CONNECTED WITH ODOMETER
30011010	PUMP INTERLOCK, CONNECTED WITH ODOMETER
30030050	AMMETER
30030100	OFFICER'S SIDE SPEEDOMETER
30030200	CAB LOCKDOWN INDICATOR LIGHT, IN CAB
30031100	HIGH IDLE SWITCH
30031300	METRIC GAUGES ON DASH
30031600	DO NOT MOVE LIGHT, ECCO 6262X STROBE
30031610	DO NOT MOVE LIGHT, WHELEN TIR3 LED
30031612	DO NOT MOVE LIGHT, WHELEN LINZ6 LED
30031615	DO NOT MOVE LIGHT, WHELEN ION-T LED
30031650	DO NOT MOVE ALARM
30031675	DO NOT MOVE DISENGAGE BUTTON
30031771	12V POWER POINT, (1)
30031775	12V POWER POINTS, (2)
30031776	12V POWER POINTS, (3)
30031777	12V POWER POINTS, (4)
30031778	12V POWER POINTS, (5)
30031801	12V DUAL PORT USB POWER POINT, (1)
30031802	12V DUAL PORT USB POWER POINTS, (2)
30031803	12V DUAL PORT USB POWER POINTS, (3)
30031804	12V DUAL PORT USB POWER POINTS, (4)
30031805	12V DUAL PORT USB POWER POINTS, (5)
30080000	INSTRUMENTATION & CONTROLS
30080150	HD STEREO, JENSEN, AM/FM/WB/BT
30080160	HD STEREO, JENSEN, AM/FM/WB/CD/BT
30080300	STEREO, AM/FM
30080305	STEREO, AM/FM/CD/USB
30080310	STEREO, AM/FM/CD/USB/IPOD/SATELLITE
30110000	VEHICLE DATA RECORDER, AKRON/WELDON
30110100	VEHICLE DATA RECORDER, FRC
30110150	VEHICLE DATA RECORDER, FRC W/HAND HELD
30140100	LINK2 WIRELESS VEHICLE MONITORING SYSTEM

Cab Interior Options (Option Group: 310)

OPTION	DESCRIPTION
31010250	INTERIOR, MULTISPEC BLACK SPECKLE PAINT W/BLACK EMBOSSED FRP BOARD
31010252	INTERIOR, MULTISPEC GRAY SPECKLE PAINT W/GRAY EMBOSSED FRP BOARD
31010254	INTERIOR, RAPTOR BLACK URETHANE BLEND W/BLACK EMBOSSED FRP BOARD
31010255	INTERIOR, RAPTOR GRAY URETHANE BLEND W/GRAY EMBOSSED FRP BOARD
31010283	INTERIOR, RAPTOR BLACK URETHANE BLEND W/GRAY-BLACK DURAWEAR
31010284	INTERIOR, RAPTOR GRAY URETHANE BLEND W/GRAY-BLACK DURAWEAR
31010285	INTERIOR, MULTISPEC BLACK SPECKLE PAINT W/GRAY-BLACK DURAWEAR
31010287	INTERIOR, MULTISPEC GRAY SPECKLE PAINT W/GRAY-BLACK DURAWEAR
31010290	CAB INTERIOR FLOOR COVERING, GRAY RUBBERIZED
31010291	CAB INTERIOR FLOOR COVERING, BLACK RUBBERIZED

Gray Multispec
interior/gray
Scorpion hood/gray
carpet:



Black Multispec
interior/black Scorpion
hood/black carpet:



Headlights Options (Option Group: 325)

OPTION	DESCRIPTION
32510000	HEADLIGHTS, HALOGEN, DUAL STS HOUSINGS
32520510	HEADLIGHTS, LED, J.W. SPEAKER 8800, DUAL STS HOUSINGS
32520520	HEADLIGHTS, LED, FIRETECH FT-4X6, DUAL STS HOUSINGS
32520600	HEADLIGHTS, HALOGEN, COMBO STS HOUSINGS
32520610	HEADLIGHTS, LED, J.W. SPEAKER 8800, STS COMBO HOUSINGS
32520620	HEADLIGHTS, LED, FIRETECH FT-4X6, STS COMBO HOUSINGS
32520650	HEADLIGHTS, HALOGEN, SINGLE STS HOUSING
32520660	HEADLIGHTS, LED, J.W. SPEAKER 8800, SINGLE STS HOUSINGS
32520670	HEADLIGHTS, LED, FIRETECH FT-4X6, SINGLE STS HOUSINGS
32599910	HEADLIGHT INTERIOR FINISH, CHROME
32599920	HEADLIGHT INTERIOR FINISH, BLACK

Headlights w/dual stainless housings:



Headlights w/single stainless housings:



Headlights w/combo housings:





Exterior Light Options (Option Group: 325)

OPTION	DESCRIPTION
32530210	FOG LIGHTS, HELLA 220, RECESSED IN BUMPER
32530500	ALTERNATING FLASHER FOR HEADLIGHT
32530610	CORNERING LIGHTS, WHELEN 500 LED
32530620	CORNERING LIGHTS, WHELEN 600 LED
32530630	CORNERING LIGHTS, WHELEN M6 LED
32530650	CORNERING LIGHTS, FEDERAL SIGNAL QUADRAFLARE 6x4 LED
32530700	DAYTIME RUNNING LIGHTS
32530750	ICC LIGHTS, LED, ROOF MOUNTED MARKERS, GROTE
32530752	ICC LIGHTS, LED, ROOF MOUNTED MARKERS, MAXXIMA
32530754	ICC, LED BROW LIGHT INTEGRATED MARKERS
32530800	ICC LIGHTS, LED, BACK OF MIRROR
32530910	MARKER LIGHTS, BRITAX, SHORT FLEXIBLE, LED, PAIR, ON SIDES OF CAB

88393000 SCENE LIGHTS, FIRETECH 30K LUMENS, 12V LED, 72" 3-PIECE BROW, FT-B-72-ML-3PKIT-*

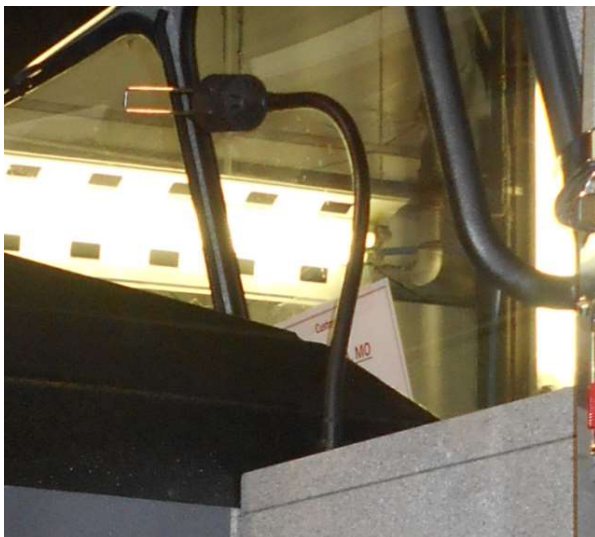
32530754 ICC, LED BROW LIGHT INTEGRATED MARKERS



Cab Interior Light Options (Option Groups: 335 & 340)

OPTION	DESCRIPTION
33510030	INTERIOR CAB LIGHTS, WHELEN 6" ROUND RED/CLEAR LED (2)
33510035	INTERIOR CAB LIGHTS, WHELEN 6" ROUND RED/CLEAR LED (3)
33510040	INTERIOR CAB LIGHTS, WHELEN 6" ROUND RED/CLEAR LED (4)
33530652	INTERIOR CAB DOOR WARNING LIGHTS, WHELEN 500 TIR6 LED, 50*03Z*R (QTY 4)
33530653	INTERIOR CAB DOOR WARNING LIGHTS, WHELEN 500 TIR6 LED, 50*03Z*R (QTY 2)
33530654	INTERIOR CAB DOOR WARNING LIGHTS, WHELEN ION T-SERIES LED, TLI* (QTY 4)
33530655	INTERIOR CAB DOOR WARNING LIGHTS, WHELEN ION T-SERIES LED, TLI* (QTY 2)
33530670	INTERIOR CAB DOOR WARNING LIGHTS, FEDERAL SIGNAL IMPAXX6 LED, IPX600B-* (QTY 4)
33530671	INTERIOR CAB DOOR WARNING LIGHTS, FEDERAL SIGNAL IMPAXX6 LED, IPX600B-* (QTY 2)
33530672	INTERIOR CAB DOOR WARNING LIGHTS, FEDERAL SIGNAL MICROPULSE ULTRA 6 LED, MPS600U-** (QTY 4)
33530673	INTERIOR CAB DOOR WARNING LIGHTS, FEDERAL SIGNAL MICROPULSE ULTRA 6 LED, MPS600U-** (QTY 2)
33530674	INTERIOR CAB DOOR WARNING LIGHTS, FEDERAL SIGNAL MICROPULSE WIDE ANGLE LED, MPSW9-* (QTY 4)
33530675	INTERIOR CAB DOOR WARNING LIGHTS, FEDERAL SIGNAL MICROPULSE WIDE ANGLE LED, MPSW9-* (QTY 2)
33530720	MAP LIGHT, SUNNEX, HALOGEN (1)
33530721	MAP LIGHTS, SUNNEX, HALOGEN (2)
33530722	MAP LIGHT, SUNNEX, LED (1)
33530723	MAP LIGHTS, SUNNEX, LED (2)
34010030	INTERIOR CREW LIGHTS, WHELEN 6" ROUND RED/CLEAR LED (2)
34010035	INTERIOR CREW LIGHTS, WHELEN 6" ROUND RED/CLEAR LED (3)
34010040	INTERIOR CREW LIGHTS, WHELEN 6" ROUND RED/CLEAR LED (4)

Sunnex map light:



Cab interior door lighting:





Cab Mirror Options (Option Group: 380)

<u>OPTION</u>	<u>DESCRIPTION</u>
38010015	MIRRORS LANG MEKRA 300 SERIES REMOTE
38010020	MIRRORS LANG MEKRA 300 SERIES HEATED & REMOTE
38010120	MIRRORS VELVAC 2030 BUS STYLE HEATED & REMOTE
38010215	MIRRORS, RAMCO HEATED & REMOTE RGT COWL MNT LFT DOOR MNT
38010218	MIRRORS, RAMCO HEATED & REMOTE COWL MOUNT LEFT & RIGHT
38010310	MIRRORS RETRAC DUAL-VISION REMOTE
38010320	MIRRORS RETRAC DUAL-VISION HEATED & REMOTE

38010015/38010020:



38010120:



38010215/38010218:



38030205:



Cab Helmet Storage/Seat Belt Warning Options (Option Group: 383/384)

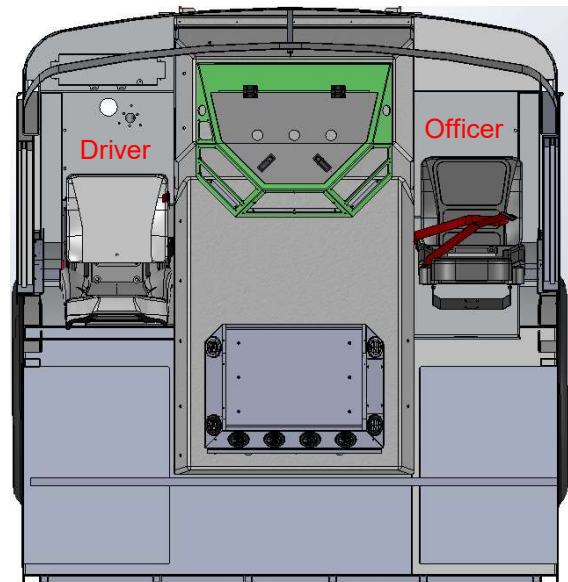
OPTION	DESCRIPTION
38310000	HELMET STORAGE, UNIVERSAL BRACKET
38310010	HELMET STORAGE, ONSCENE SOLUTIONS, TALON
38320000	HELMET STORED IN COMPARTMENT
38410000	SEAT BELT WARNING SYSTEM, AKRON / WELDON
38410100	SEAT BELT WARNING SYSTEM, FRC SBA 310
38410110	SEAT BELT WARNING SYSTEM, FRC SBA 110 W/LAT G

38410000 – Akron Seat Belt Monitor:

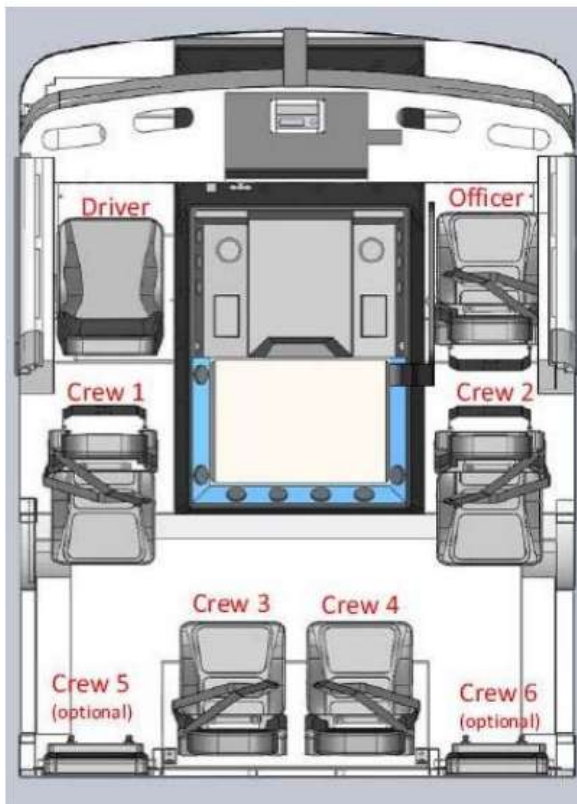


Cab Seating Positions

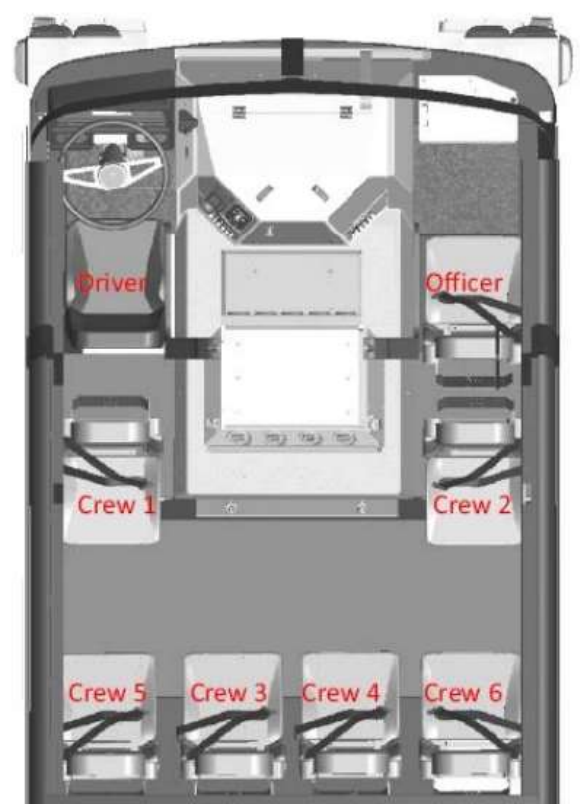
Cab Seat Positions, **NEW 36" Cabs:
 -Driver's and Officer's seating positions only
 -Cabinet options available for rear cab area



Cab Seat Positions, 56/62" Cabs:



Cab Seat Positions, 73" Cabs:



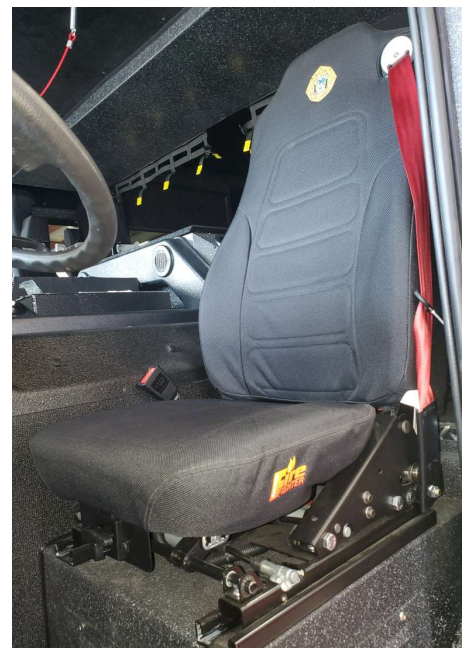
Cab Driver's Seat Options (Option Group: 385)

OPTION	DESCRIPTION
38510104	DRIVER'S SEAT, BOSTROM SIERRA HIGH BACK AIR RIDE ABTS (DURAWEAR PLUS, LOW SEAM)
38510116	DRIVER'S SEAT, BOSTROM SIERRA 500 HIGH BACK AIR RIDE ABTS (DURAWEAR PLUS, LOW SEAM)
38510123	DRIVER'S SEAT, BOSTROM SIERRA 500 HIGH BACK ELECTRIC ABTS AIR RIDE (DURAWEAR PLUS, LOW SEAM)
38510125	DRIVER'S SEAT, BOSTROM TANKER 450 AIR RIDE ABTS SCBA (DURAWEAR PLUS, LOW SEAM)
38510204	DRIVER'S SEAT, BOSTROM SIERRA ELECTRIC ABTS (DURAWEAR PLUS, LOW SEAM)
38510206	DRIVER'S SEAT, BOSTROM SIERRA AIR RIDE ABTS (DURAWEAR PLUS, LOW SEAM)
38510251	DRIVER'S SEAT, BOSTROM TANKER 550 AIR RIDE ABTS SCBA (DURAWEAR PLUS, LOW SEAM)
38510400	DRIVER'S SEAT, USSC VALOR, AIR RIDE, ABTS
38510405	DRIVER'S SEAT, USSC VALOR, ELECTRIC, ABTS
38530300	REMOVABLE UPHOLSTERED PAD TO COVER SCBA, DRIVER

****Electric Driver's seats are recommended over air ride Driver's seats. Some benefits include:**

- More height adjustment
- Less bouncy, more stability
- Air ride not necessary with new front SteerTek suspension with softer ride quality

38010200 Electric Driver's seat:





Officer's Cab Seating (Option Group: 390)

OPTION	DESCRIPTION
39010118	OFFICER'S SEAT, BOSTROM TANKER 450, ABTS SCBA (DURAWEAR PLUS, LOW SEAM)
39010128	OFFICER'S SEAT, BOSTROM TANKER 450, AIR RIDE ABTS SCBA (DURAWEAR PLUS, LOW SEAM)
39010131	OFFICER'S SEAT, BOSTROM SIERRA, ABTS HIGH BACK (DURAWEAR PLUS, LOW SEAM)
39010138	OFFICER'S SEAT, BOSTROM SIERRA, HIGH BACK AIR RIDE ABTS (DURAWEAR PLUS, LOW SEAM)
39010151	OFFICER'S SEAT, BOSTROM SIERRA, ELECTRIC ABTS (DURAWEAR PLUS, LOW SEAM)
39010166	OFFICER'S SEAT, BOSTROM SIERRA 500 HIGH BACK ABTS AIR RIDE (DURAWEAR PLUS, LOW SEAM)
39010168	OFFICER'S SEAT, BOSTROM SIERRA 500 HIGH BACK ELECTRIC ABTS (DURAWEAR PLUS, LOW SEAM)
39010210	OFFICER'S SEAT, BOSTROM TANKER 550, ABTS SCBA (DURAWEAR PLUS, LOW SEAM)
39010215	OFFICER'S SEAT, BOSTROM TANKER 550, AIR RIDE ABTS SCBA (DURAWEAR PLUS, LOW SEAM)
39010400	OFFICER'S SEAT, USSC VALOR, ABTS SCBA
39030010	OFFICER'S SEAT COMPT, OPEN FRONT
39030020	OFFICER'S SEAT COMPT, FRONT DOOR
39030030	OFFICER'S SEAT COMPT, FRONT DOOR W/LOCKING LATCH
39030300	REMOVABLE UPHOLSTERED PAD TO COVER SCBA, OFFICER
39090000	OFFICER'S SEAT, BOSTROM TANKER 350, ABTS SCBA (DURAWEAR)
39090015	OFFICER'S SEAT, BOSTROM TANKER 350, ABTS SCBA (DURAWEAR PLUS, LOW SEAM)

39030010:



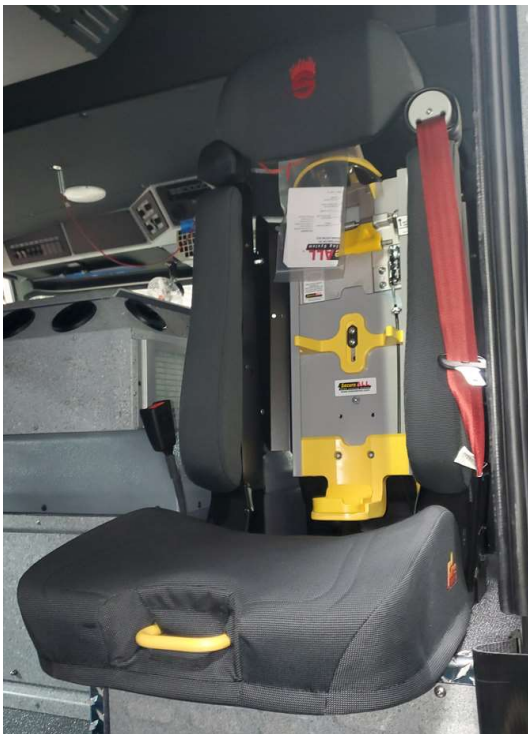
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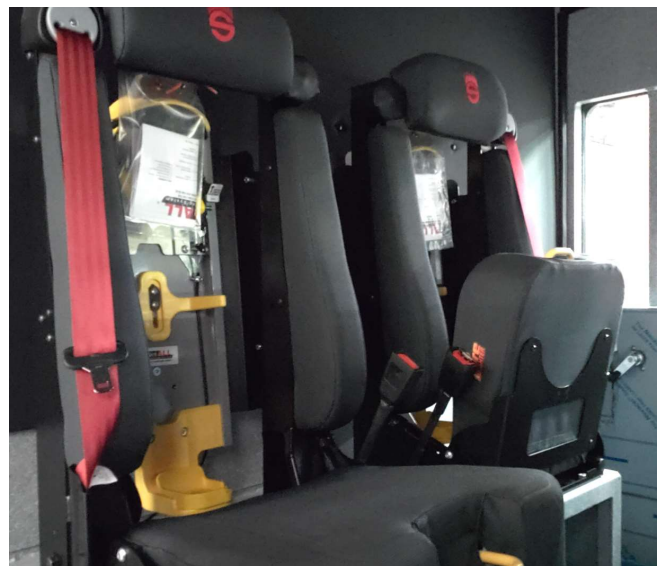
Crew Cab Seating, Rear Facing (Option Group: 395)

OPTION	DESCRIPTION
39521111	CREW SEAT 1, BOSTROM TANKER 350, ABTS SCBA (DURAWEAR PLUS, LOW SEAM)
39521112	CREW SEAT 2, BOSTROM TANKER 350, ABTS SCBA (DURAWEAR PLUS, LOW SEAM)
39521129	CREW SEAT 1, BOSTROM TANKER 450, ABTS SCBA (DURAWEAR PLUS, LOW SEAM)
39521130	CREW SEAT 2, BOSTROM TANKER 450, ABTS SCBA (DURAWEAR PLUS, LOW SEAM)
39521171	CREW SEAT 1, BOSTROM TANKER 300CT, ABTS SCBA FLIP UP (DURAWEAR PLUS, LOW SEAM)
39521172	CREW SEAT 2, BOSTROM TANKER 300CT, ABTS SCBA FLIP UP (DURAWEAR PLUS, LOW SEAM)
39521188	CREW SEAT 1, BOSTROM TANKER 400CT, ABTS SCBA FLIP UP (DURAWEAR PLUS, LOW SEAM)
39521189	CREW SEAT 2, BOSTROM TANKER 400CT, ABTS SCBA FLIP UP (DURAWEAR PLUS, LOW SEAM)
39521209	CREW SEAT 1, BOSTROM SIERRA, ABTS HIGH BACK (DURAWEAR PLUS, LOW SEAM)
39521210	CREW SEAT 2, BOSTROM SIERRA, ABTS HIGH BACK (DURAWEAR PLUS, LOW SEAM)
39521303	CREW SEAT 1, BOSTROM TANKER 500, ABTS SCBA FLIP-UP (DURAWEAR PLUS, LOW SEAM)
39521304	CREW SEAT 2, BOSTROM TANKER 500, ABTS SCBA FLIP-UP (DURAWEAR PLUS, LOW SEAM)
39521307	CREW SEAT 1, BOSTROM TANKER 550, ABTS SCBA (DURAWEAR PLUS, LOW SEAM)
39521308	CREW SEAT 2, BOSTROM TANKER 550, ABTS SCBA (DURAWEAR PLUS, LOW SEAM)
39521310	CREW SEAT 1, USSC VALOR, ABTS SCBA
39521311	CREW SEAT 2, USSC VALOR, ABTS SCBA

Bostrom 450 fixed base seat:



Bostrom 400 flip-up seat:





Crew Cab Seating, Forward Facing (Option Group: 395)

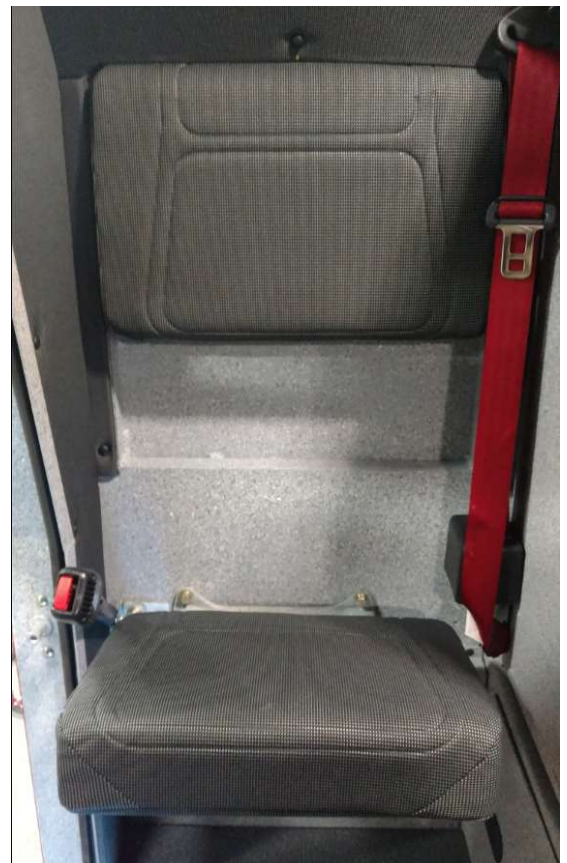
OPTION	DESCRIPTION
39521410	CREW SEAT 3, BOSTROM TANKER 300CT, ABTS SCBA FLIP UP (DURAWEAR PLUS, LOW SEAM)
39521411	CREW SEAT 4, BOSTROM TANKER 300CT, ABTS SCBA FLIP UP (DURAWEAR PLUS, LOW SEAM)
39521412	CREW SEAT 5, BOSTROM TANKER 300CT, ABTS SCBA FLIP UP (DURAWEAR PLUS, LOW SEAM)
39521413	CREW SEAT 6, BOSTROM TANKER 300CT, ABTS SCBA FLIP UP (DURAWEAR PLUS, LOW SEAM)
39521430	CREW SEAT 3, BOSTROM TANKER 400CT, ABTS SCBA FLIP UP (DURAWEAR PLUS, LOW SEAM)
39521431	CREW SEAT 4, BOSTROM TANKER 400CT, ABTS SCBA FLIP UP (DURAWEAR PLUS, LOW SEAM)
39521432	CREW SEAT 5, BOSTROM TANKER 400CT, ABTS SCBA FLIP UP (DURAWEAR PLUS, LOW SEAM)
39521433	CREW SEAT 6, BOSTROM TANKER 400CT, ABTS SCBA FLIP UP (DURAWEAR PLUS, LOW SEAM)
39521460	CREW SEAT 3, BOSTROM TANKER 350, ABTS SCBA FIXED (DURAWEAR PLUS, LOW SEAM)
39521461	CREW SEAT 4, BOSTROM TANKER 350, ABTS SCBA FIXED (DURAWEAR PLUS, LOW SEAM)
39521462	CREW SEAT 5, BOSTROM TANKER 350, ABTS SCBA FIXED (DURAWEAR PLUS, LOW SEAM)
39521463	CREW SEAT 6, BOSTROM TANKER 350, ABTS SCBA FIXED (DURAWEAR PLUS, LOW SEAM)
39521465	CREW SEAT 3, BOSTROM TANKER 450, ABTS SCBA FIXED (DURAWEAR PLUS, LOW SEAM)
39521466	CREW SEAT 4, BOSTROM TANKER 450, ABTS SCBA FIXED (DURAWEAR PLUS, LOW SEAM)
39521467	CREW SEAT 5, BOSTROM TANKER 450, ABTS SCBA FIXED (DURAWEAR PLUS, LOW SEAM)
39521468	CREW SEAT 6, BOSTROM TANKER 450, ABTS SCBA FIXED (DURAWEAR PLUS, LOW SEAM)
39521475	CREW SEAT 3, BOSTROM SIERRA, ABTS HIGH BACK (DURAWEAR PLUS, LOW SEAM)
39521476	CREW SEAT 4, BOSTROM SIERRA, ABTS HIGH BACK (DURAWEAR PLUS, LOW SEAM)
39521477	CREW SEAT 5, BOSTROM SIERRA, ABTS HIGH BACK (DURAWEAR PLUS, LOW SEAM)
39521478	CREW SEAT 6, BOSTROM SIERRA, ABTS HIGH BACK (DURAWEAR PLUS, LOW SEAM)
39521510	CREW SEAT 3, BOSTROM SIERRA, ABTS HIGH BACK FLIP UP (DURAWEAR PLUS, LOW SEAM)
39521511	CREW SEAT 4, BOSTROM SIERRA, ABTS HIGH BACK FLIP UP (DURAWEAR PLUS, LOW SEAM)
39521512	CREW SEAT 5, BOSTROM SIERRA, ABTS HIGH BACK FLIP UP (DURAWEAR PLUS, LOW SEAM)
39521513	CREW SEAT 6, BOSTROM SIERRA, ABTS HIGH BACK FLIP UP (DURAWEAR PLUS, LOW SEAM)
39521623	CREW SEAT 3, BOSTROM TANKER 550, ABTS, SCBA (DURAWEAR PLUS, LOW SEAM)
39521624	CREW SEAT 4, BOSTROM TANKER 550, ABTS, SCBA (DURAWEAR PLUS, LOW SEAM)
39521625	CREW SEAT 5, BOSTROM TANKER 550, ABTS, SCBA (DURAWEAR PLUS, LOW SEAM)
39521626	CREW SEAT 6, BOSTROM TANKER 550, ABTS, SCBA (DURAWEAR PLUS, LOW SEAM)
39521633	CREW SEAT 3, BOSTROM TANKER 500, ABTS SCBA FLIP-UP (DURAWEAR PLUS, LOW SEAM)
39521634	CREW SEAT 4, BOSTROM TANKER 500, ABTS SCBA FLIP-UP (DURAWEAR PLUS, LOW SEAM)
39521635	CREW SEAT 5, BOSTROM TANKER 500, ABTS SCBA FLIP-UP (DURAWEAR PLUS, LOW SEAM)
39521636	CREW SEAT 6, BOSTROM TANKER 500, ABTS SCBA FLIP-UP (DURAWEAR PLUS, LOW SEAM)
39521700	CREW SEAT 3, USSC VALOR, ABTS, SCBA
39521701	CREW SEAT 4, USSC VALOR, ABTS, SCBA
39521702	CREW SEAT 5, USSC VALOR, ABTS, SCBA
39521703	CREW SEAT 6, USSC VALOR, ABTS, SCBA
39521710	CREW SEAT 3, USSC VALOR, ABTS SCBA FLIP-UP BASE
39521711	CREW SEAT 4, USSC VALOR, ABTS SCBA FLIP-UP BASE
39521712	CREW SEAT 5, USSC VALOR, ABTS SCBA FLIP-UP BASE
39521713	CREW SEAT 6, USSC VALOR, ABTS SCBA FLIP-UP BASE



Additional Crew Cab Seating, Forward Facing (Option Group: 395)

OPTION	DESCRIPTION
39530405	CREW SEAT 5, FLIP UP JUMP SEAT (DURAWEAR PLUS, LOW SEAM)
39530406	CREW SEAT 6, FLIP UP JUMP SEAT (DURAWEAR PLUS, LOW SEAM)

Flip-up jump seat:





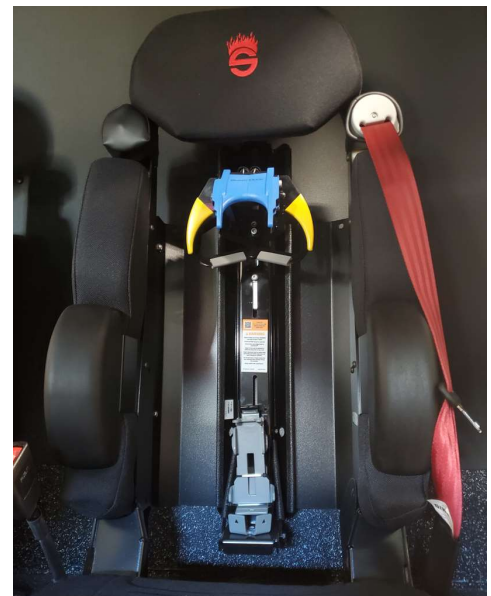
Additional Cab Seating Options (Option Group: 393/395/396)

OPTION	DESCRIPTION
39530600	REMOVABLE UPHOLSTERED PAD TO COVER SCBA, CREW
39530650	REMOVABLE UPHOLSTERED PAD TO COVER SCBA, CREW (COMM)
39530710	BOSTROM ZIP CLEAN REMOVABLE COVERS, BOTTOM SEAT CUSHION, INCLUDES AN ADDITIONAL COVER (PER SEAT)
39530715	ADDITIONAL BOSTROM ZIP CLEAN REMOVABLE COVERS, BOTTOM SEAT CUSHION - EACH
39530720	BOSTROM ZIP CLEAN REMOVABLE COVERS, BACK REST
39530725	ADDITIONAL BOSTROM ZIP CLEAN REMOVABLE COVERS, BACK REST - EACH
39550100	SEAT COLOR, GRAY
39550200	SEAT COLOR, BLACK
39550300	SEAT COLOR, RED
39560110	ARTWORK PROOF, BOSTROM (NEW CUSTOMER PROOF)
39560115	ARTWORK PROOF, BOSTROM (EXISTING PROOF ON FILE)
39560120	ARTWORK PROOF, USSC VALOR (NEW CUSTOMER PROOF)
39560125	ARTWORK PROOF, USSC VALOR (EXISTING PROOF ON FILE)
39560130	ARTWORK PROOF, SEATS INC 911 (NEW CUSTOMER PROOF)
39560135	ARTWORK PROOF, SEATS INC 911 (EXISTING PROOF ON FILE)
39560510	CUSTOM SEAT LOGOS, BOSTROM (PER SEAT)
39560520	CUSTOM SEAT LOGOS, USSC VALOR (PER SEAT)
39560530	CUSTOM SEAT LOGOS, SEATS INC 911 (PER SEAT)
39580500	CREW SEATING, 3 POSITIONS, SCBA
39610000	SCBA BRACKETS, BOSTROM, SECURE ALL
39610100	SCBA BRACKETS, ZIAMATIC, WALKAWAY
39610105	SCBA BRACKETS, ZIAMATIC, LOAD & LOCK
39610110	SCBA BRACKETS, ZIAMATIC, QUICK HOLD
39610112	SCBA BRACKETS, ZIAMATIC, EZ-LOC
39610115	SCBA BRACKETS, IMMI SMART DOCK

39610000:



3960115:





Cab Crew Seat Compartments (Option Group: 397)

OPTION	DESCRIPTION
39710000	DOUBLE CREW SEAT COMPT, SIDE DOORS
39710005	DOUBLE CREW SEAT COMPT, OPEN SIDES
39710006	DOUBLE CREW SEAT COMPT, OPEN FRONT
39710008	DOUBLE CREW SEAT COMPT, OPEN FRONT, W/WEBBING
39710010	DOUBLE CREW SEAT COMPT, SWING-OUT FRONT DOORS, HINGED AT CENTER
39710015	CREW SEAT COMPT, FRONT DROP-DOWN DOORS (73" CAB)
39710016	CREW SEAT COMPT, OPEN FRONT (73" CAB)
39710018	CREW SEAT COMPT, OPEN FRONT, W/WEBBING (73" CAB)
39710019	CREW SEAT COMPT, FIXED PANELS (73" CAB)
39710020	CREW SEAT COMPT, FIXED PANEL & DROP-DOWN DOOR (73" CAB)
39710050	TRIPLE CREW SEAT COMPT, HINGED DOORS
39710052	TRIPLE CREW SEAT COMPT, OPEN
39710054	TRIPLE CREW SEAT COMPT, OPEN, W/WEBBING
39730100	LOCKING LATCHES FOR CREW SEAT COMPARTMENT DOORS

39710050 – Triple Crew
Seat Compt, Hinged Doors:



39710015 – Crew Seat
Compt, Front Drop-Down
Doors (73" Cab):





Cab Air Bag Options (Option Group: 398)

<u>OPTION</u>	<u>DESCRIPTION</u>
39830100	ROLLTEK SIDE CURTAIN AIRBAGS
398XXXXX	FRONTAL AIR BAGS, 4FRONT

4Front Frontal Air Bag System:

4Front, Steering Wheel Air Bag:



4Front, Driver's Knee Air Bag:

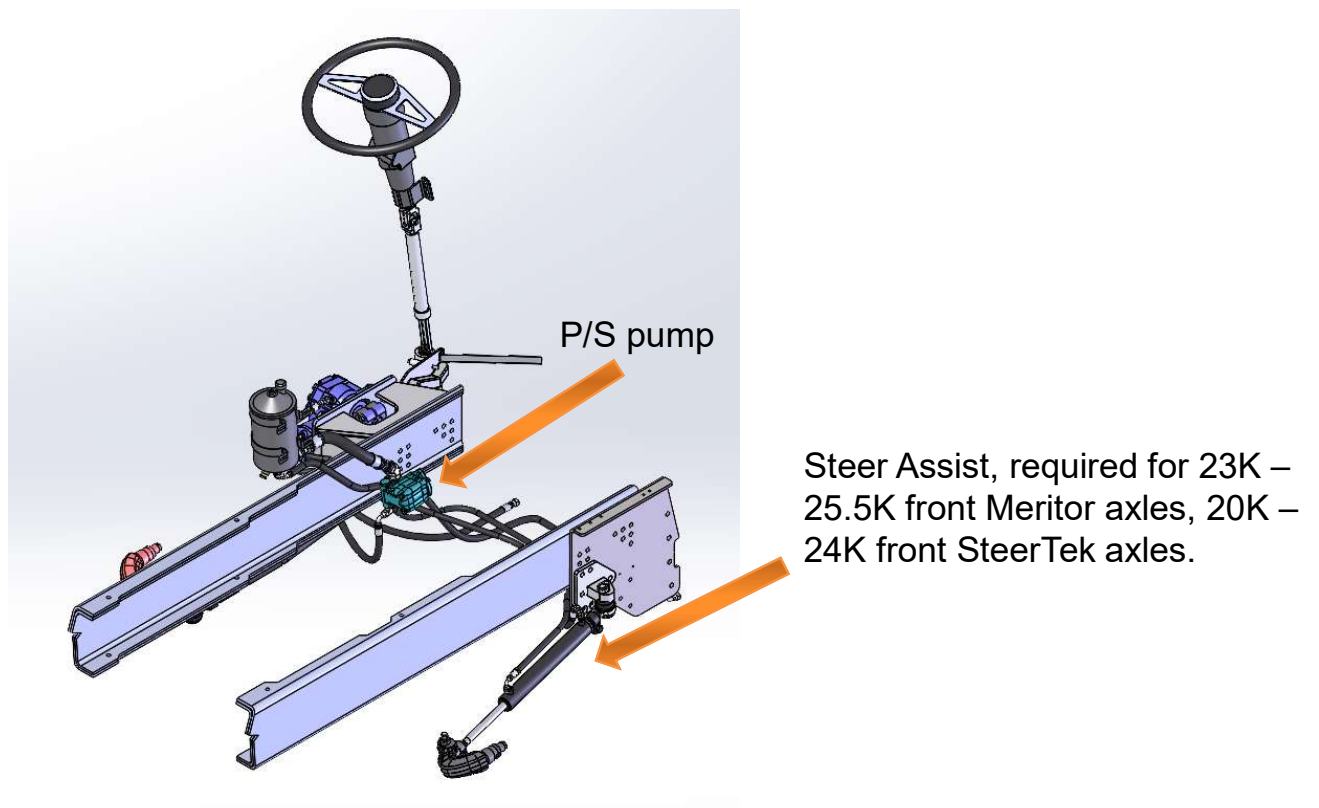
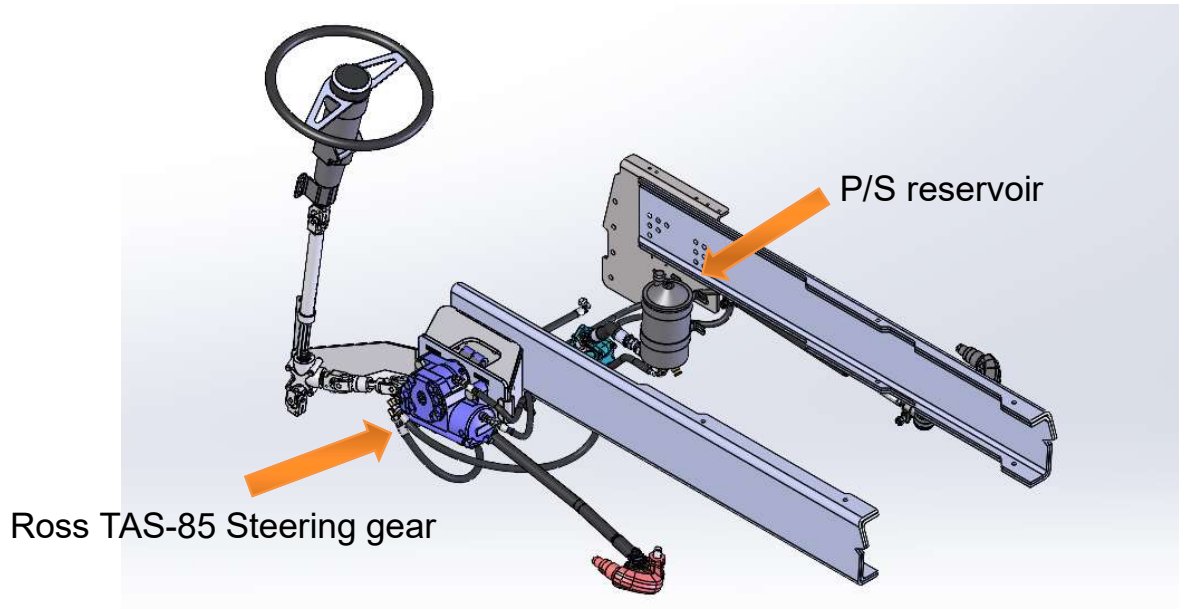


4Front, Officer's Knee Air Bag:



Steering System (Option Group: 400/410)

OPTION	DESCRIPTION
40010250	STEERING - ROSS TAS-85
41040500	STEER ASSIST, NOT PROVIDED
41040510	STEER ASSIST





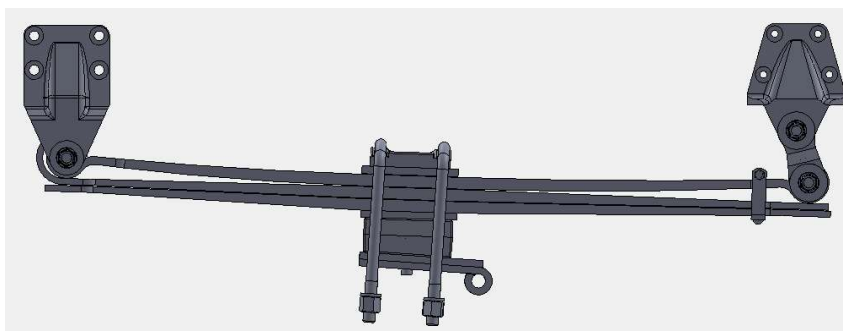
Front Suspensions (Option Group: 410)

<u>OPTION</u>	<u>DESCRIPTION</u>
41010015	FRONT SUSPENSION, STANDENS 18,000 LBS. (3) 54" LEAFS
41010105	FRONT SUSPENSION, STANDENS 19,000 LBS. (3) 54" LEAFS
41010115	FRONT SUSPENSION, STANDENS 20,000 LBS. (3) 54" LEAFS
41010217	FRONT SUSPENSION, STANDENS 23,000 LBS. (4) 54" LEAFS
41010250	FRONT SUSPENSION, STANDENS 24,000 LBS. (4) 54" LEAFS
41021550	FRONT SUSPENSION, STANDENS 25,500 LBS. (4) 54" LEAFS
41022100	FRONT SUSPENSION, HENDRICKSON 18,000 LBS. (3) 56" LEAFS
41022110	FRONT SUSPENSION, HENDRICKSON 19,000 LBS. (3) 56" LEAFS
41022120	FRONT SUSPENSION, HENDRICKSON 20,000 LBS. (4) 56" LEAFS
41022130	FRONT SUSPENSION, HENDRICKSON 23,000 LBS. (4) 56" LEAFS
41022140	FRONT SUSPENSION, HENDRICKSON 24,000 LBS. (4) 56" LEAFS
41030100	SUSPENSION, ENHANCED SYSTEM
41040100	FRONT SUSPENSION LOCKING CYLINDERS, AERIAL TOWER
41040110	FRONT SUSPENSION LOCKING CYLINDERS, NOT PROVIDED
41040200	FRONT SUSPENSION LOCKOUT PLATE

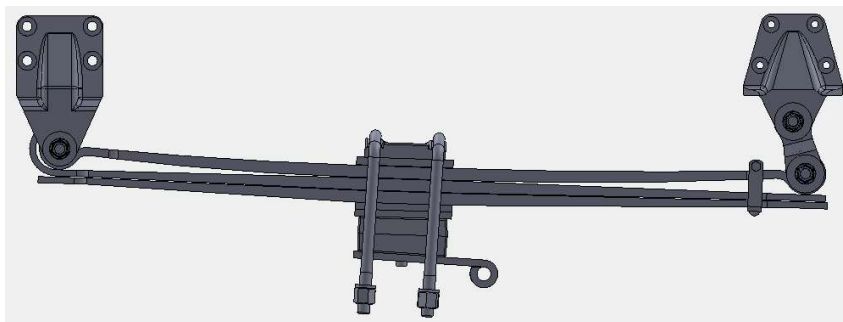
Front Suspensions (Option Group: 410)

Standens front suspension options:

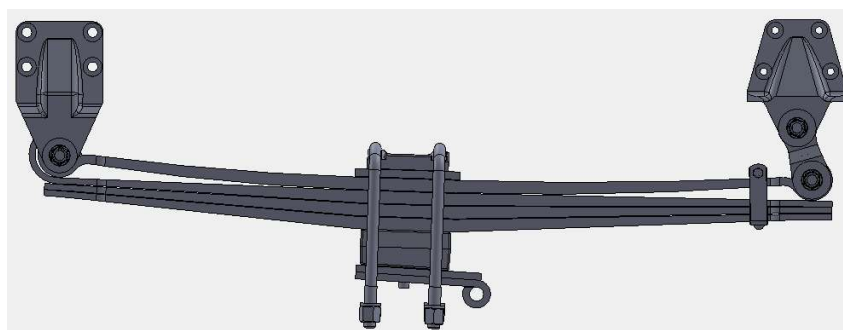
19K (3 leaf):



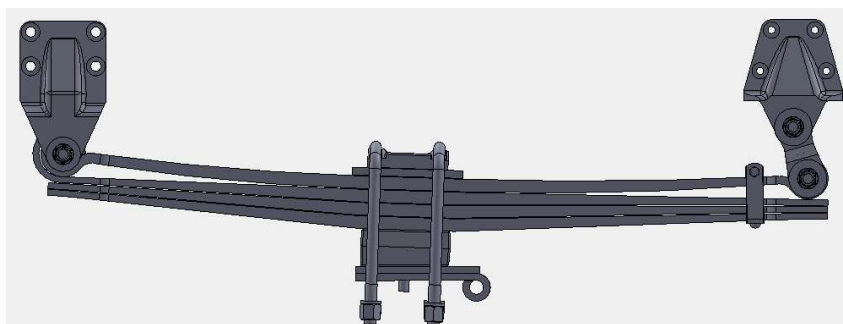
20K (3 leaf):



23K (4 leaf):



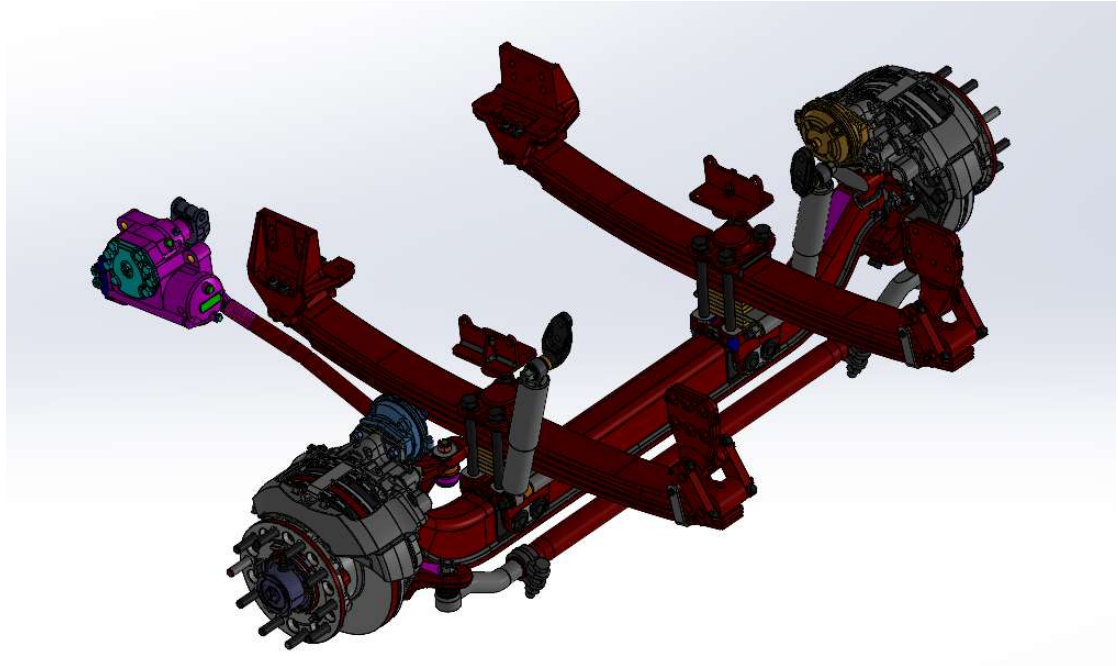
25.5K (4 leaf):



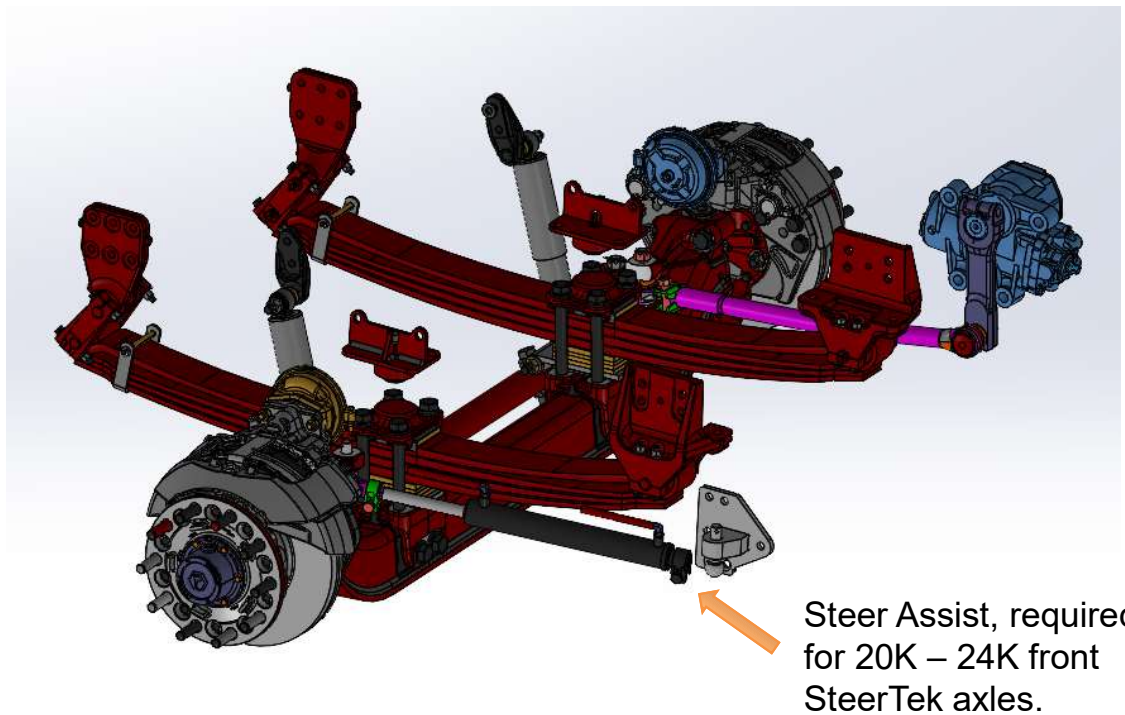
Front Suspensions (Option Group: 410)

SteerTek front suspension options:

19K, 8" RIDE HEIGHT (3 leaf):



20K, 8.2" RIDE HEIGHT (4 leaf):

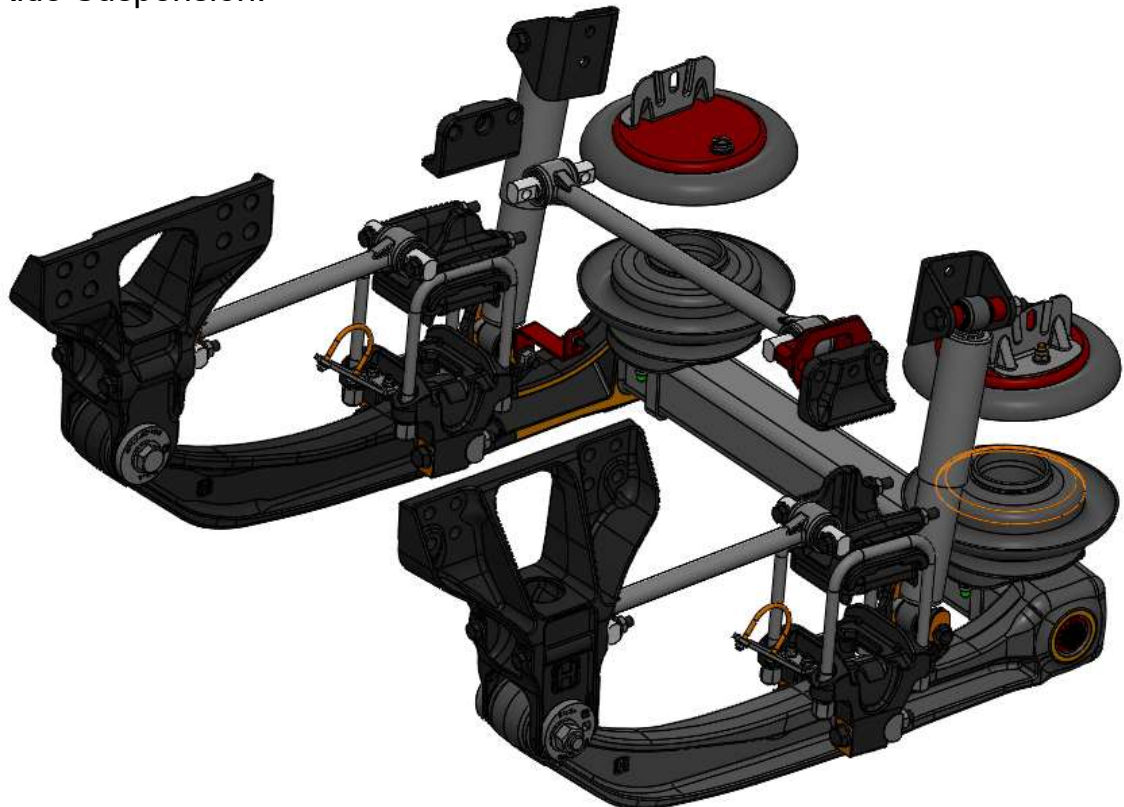


Steer Assist, required for 20K – 24K front SteerTek axles.

Rear Suspension Options (Option Group: 420)

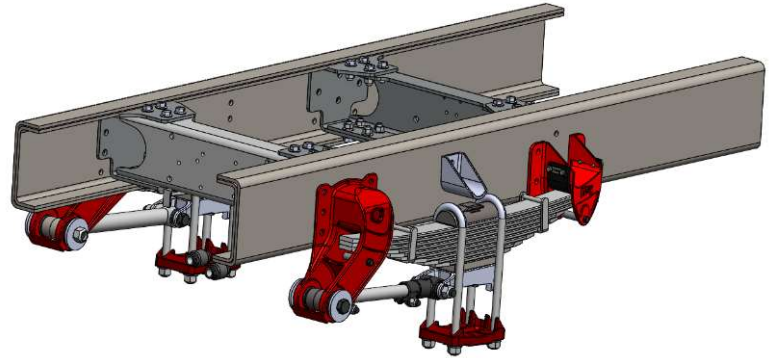
<u>OPTION</u>	<u>DESCRIPTION</u>
42010000	REAR SUSPENSION, REYCO 24,000 LBS. LEAF
42010001	REAR SUSPENSION, REYCO 27,000 LBS. LEAF
42010010	REAR SUSPENSION, FIREMAAX 24,000 LBS. AIR RIDE
42010015	REAR SUSPENSION, FIREMAAX 27,000 LBS. AIR RIDE
42010025	REAR SUSPENSION, FIREMAAX 31,000 LBS. AIR RIDE
42010500	REAR SUSPENSION, REYCO 31,000 LBS. LEAF
42010650	REAR SUSPENSION, HENDRICKSON ROADMAAX, 35,000 LBS. AIR RIDE
42020020	REAR SUSPENSION, LINK, AIR LIFT, 40,000 LBS. AIR RIDE
42020023	REAR SUSPENSION, LINK, AIR LIFT, 44,000 LBS. AIR RIDE
42020024	REAR SUSPENSION, LINK, AIR LIFT, 48,000 LBS. AIR RIDE
42020025	REAR SUSPENSION, LINK, AIR LIFT, 52,000 LBS. AIR RIDE
42020030	REAR SUSPENSION, LINK, AIR LIFT, 58,000 LBS. AIR RIDE
42020220	REAR SUSPENSION, HENDRICKSON RT403 40,000 LBS. SPRING
42020225	REAR SUSPENSION, HENDRICKSON RT503 50,000 LBS. SPRING
42030100	REAR SUSPENSION, ENHANCED SYSTEM

Hendrickson Firemaax Air
Ride Suspension:

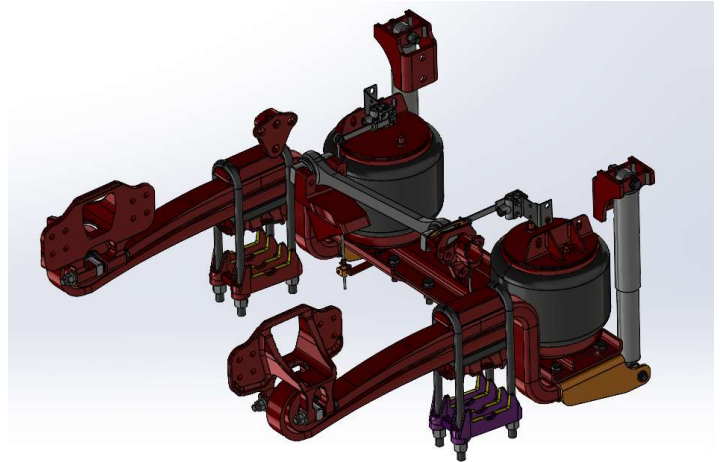


Rear Suspension Options (Option Group: 420)

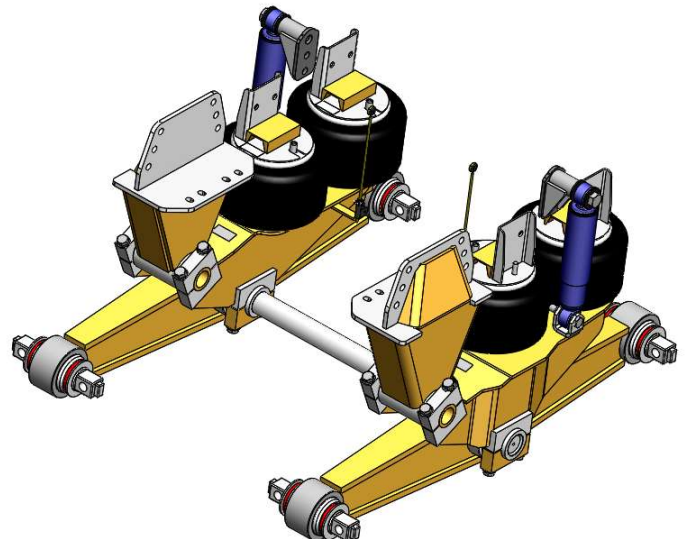
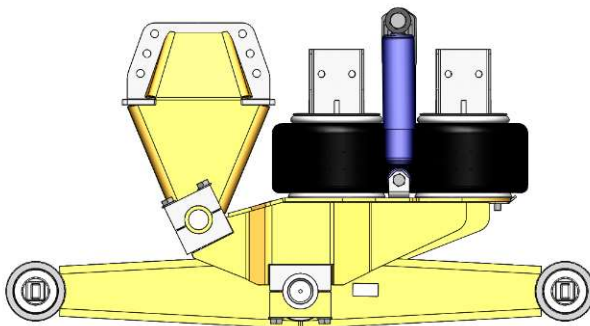
Reyco Spring Suspension:



Hendrickson Roadmaxx Air Ride Suspension (35K only):



Link (Raydan) Tandem Axle Suspension:



Tire Pressure Monitor Options (Option Group: 429)

OPTION	DESCRIPTION
42910000	TIRE PRESSURE MONITOR, CROSSFIRE
42910100	TIRE PRESS MONITOR, DORAN 360HD
42910200	TIRE PRESSURE MONITOR, REAL WHEELS, LED
42910300	TIRE PRESSURE MONITOR, QUICK PRESSURE
42920000	TIRE PRESSURE MONITOR, CROSSFIRE
42920100	TIRE PRESS MONITOR, DORAN 360HD
42920200	TIRE PRESSURE MONITOR, REAL WHEELS, LED
42920300	TIRE PRESSURE MONITOR, QUICK PRESSURE

42910200 - Tire Pressure Monitor, Real Wheels, LED:



Front Tire Options (Option Group: 430)

OPTION	DESCRIPTION	AXLE	DIAMETER	LOADED RADIUS
43010300	FRONT TIRES GOODYEAR 315/80R22.5 LRL G291 HWY 22.5 X 9 WHEELS	18K	42.3"	19.7"
43010301	FRONT TIRES GOODYEAR 315/80R22.5 289 WHA	18K	43.1"	20"
43010305	FRONT TIRES GOODYEAR 385/65R22.5 LRJ G296 22.5 x 12.25 WHEELS	20K	42.5"	19.8"
43010310	FRONT TIRES MICHELIN 385/65R22.5 X MULTIWAY HD XZE 22.5 x 12.25 WHEELS	20K	42.4"	19.6"
43010322	FRONT TIRE, GOODYEAR, 425/65R22.5 LRL, ARMOR MAX PRO GRADE MSA 22.5 X 12.25 WHEELS	23K	44.8"	20.5"
43010352	FRONT TIRES, MICHELIN 315/80R22.5 LRL X LINE ENERGY Z 22.5 X 9 WHEELS	18K	42.3"	19.6"
43010370	FRONT TIRES MICHELIN 425/65R22.5 LRL XFE 22.5 X 12.25 WHEELS	23K	44.5"	20.6"
43010700	FRONT TIRES, GOODYEAR 445/65R22.5 G296A SS, 22.5X13 WHEELS	25.5K	45.5"	20.9"
43010750	FRONT TIRES, MICHELIN 445/65R22.5 XFE WIDE BASE, 22.5X13 WHEELS	25.5K	45.6"	21"
43010755	FRONT TIRES, MICHELIN 445/65R22.5 XZY3 WIDE BASE, 22.5X13 WHEELS	25.5K	45.8"	21.1"

Goodyear
G291:



Michelin
X Line
Energy:



Goodyear
Armor Max:



Michelin
XFE:





Rear Tire Options (Option Group: 440)

<u>OPTION</u>	<u>DESCRIPTION</u>
44010308	REAR TIRES, GOODYEAR 12R22.5 X 8.25 LRH ENDURANCE RSA HIGHWAY 24,000 - 27,000 GVWR
44010310	REAR TIRES, GOODYEAR 315/80R22.5X 9, LRL G291 HGWY, 31,000 GVWR
44010320	REAR TIRES, GOODYEAR 12R22.5 LRH G622 MUD & SNOW 24,000 - 27,000 GVWR
44010335	REAR TIRES, GOODYEAR 315/80R22.5 ENDURANCE TSD MUD & SNOW, 31,000 GVWR
44010350	REAR TIRES, MICHELIN 12R22.5 LRH XZE HIGHWAY 24,000 - 27,000 GVWR
44010362	REAR TIRES, MICHELIN 315/80R22.5 X 9 LRL X LINE ENERGY Z HIGHWAY 31,000 GVWR
44010370	REAR TIRES, MICHELIN 12R22.5 LRH XDS MUD & SNOW 24000 - 27,000 GVWR
44010380	REAR TIRES, MICHELIN 315/80R22.5 LRL XDY MUD & SNOW 31,000 GVWR
44010390	REAR TIRES, MICHELIN 315/80R22.5X 9, LRL, X LINE ENERGY Z, HGWY, 35,000 GVWR
44010395	REAR TIRES, MICHELIN 315/80R22.5X 9, LRL, XDN2, MUD & SNOW, 35,000 GVWR
44010400	REAR TIRES, GOODYEAR 315/80R22.5X 9, LRL G289 WHA HGWY, 35,000 GVWR
44010405	REAR TIRES, GOODYEAR 315/80R22.5X 9, LRL, ENDURANCE TSD, MUD & SNOW, 35,000 GVWR
44020208	REAR TIRES, GOODYEAR 11R22.5 LRH ENDURANCE RSA HIGHWAY UP TO 48,000 GVWR
44020210	REAR TIRES, GOODYEAR 11R22.5 LRH G622 MUD & SNOW UP TO 48,000 GVWR
44020250	REAR TIRES, MICHELIN 11R22.5 LRH XZE HIGHWAY UP TO 48,000 GVWR
44020260	REAR TIRES, MICHELIN 11R22.5 LRH XDS MUD & SNOW UP TO 48,000 GVWR
44020270	REAR TIRES, MICHELIN 12R22.5 LRH XZE HIGHWAY 52,000 GVWR
44020275	REAR TIRES, MICHELIN 12R22.5 LRH XDS MUD & SNOW 52,000 GVWR
44020282	REAR TIRES, GOODYEAR 12R22.5 LRH ENDURANCE RSA HIGHWAY 52,000 GVWR
44020285	REAR TIRES, GOODYEAR 12R22.5 LRH G622 MUD & SNOW 52,000 GVWR
44020290	REAR TIRES, GOODYEAR 315/80R22.5 G670 HGWY 58,000 GVWR

Rear Tire Options (Option Group: 440)

Goodyear Endurance RSA Highway Tread:



Goodyear G622 Mud/Snow Tread:



Michelin XZE Highway Tread:



Michelin XDS Mud/Snow Tread:





Rear Tire Options (Option Group: 440)

Goodyear Intermittent Service Ratings:

**SPECIAL INTERMITTENT SERVICE* RATINGS FOR EMERGENCY VEHICLE APPLICATIONS
ONLY FOR EMERGENCY SERVICE USE.**

MAX LOAD CONDITIONS						
SIZE	LOAD RANGE	TREAD PATTERN	CARRYING CAPACITY (LBS) AXLE CONFIGURATION		INFLATION (PSI)	MAX SPEED
			SINGLES	DUALS		
RIB PATTERNS – ALL POSITION						
11R22.5	G	Endurance RSA	13200	25000	105	75
11R22.5	H	Endurance RSA	14100	25700	120	75
11R22.5	H	G731 MSA	14100	25700	120	68
11R22.5	H	G751 MSA	14100	25700	120	68
12R22.5	H	G731 MSA	15800	29000	120	68
12R22.5	H	G751 MSA	15800	29000	120	68
315/80R22.5	L	G291	19500	35400	130	68
315/80R22.5	L	G751 MSA	19500	35400	130	68
LUG PATTERNS – DRIVE POSITION						
11R22.5	G	G182 RSD	13200	25000	105	75
11R22.5	G	G622 RSD	13200	25000	105	75
11R22.5	H	G182 RSD	14100	25700	120	75
11R22.5	H	G288 MSA	14100	25700	120	68
11R22.5	H	G622 RSD	14100	25700	120	75
12R22.5	H	G182 RSD	15800	29000	120	75
12R22.5	H	G622 RSD	15800	29000	120	75
12R22.5	H	Endurance RSA	15800	29000	120	75
12R22.5	H	G731 MSA	15800	29000	120	68
12R22.5	H	G751 MSA	15800	29000	120	68
SUPER SINGLES						
385/65R22.5	J	G278 MSD	20100	N/A	120	68
385/65R22.5	J	G296 MSA	20100	N/A	120	68
425/65R22.5	L	G278 MSD	24400	N/A	120	68
425/65R22.5	L	G296 MSA	24400	N/A	120	68
445/65R22.5	L	G278 MSD	26300	N/A	120	68
445/65R22.5	L	G296 MSA	26300	N/A	120	68

*Intermittent service defined as no more than 50 miles of continuous operation under maximum recommended payload, or without stopping for at least 20 minutes. The emergency vehicle must reduce to no more than 50 mph after the first 50 miles of travel.



SUTPHEN CORPORATION

Rear Tire Options (Option Group: 440)

Goodyear Intermittent Service Ratings, cont'd:

**SPECIAL INTERMITTENT SERVICE* RATINGS FOR EMERGENCY VEHICLE APPLICATIONS
ONLY FOR EMERGENCY SERVICE USE.**

MAX HIGH-SPEED CONDITIONS						
SIZE	LOAD RANGE	TREAD PATTERN	CARRYING CAPACITY (LBS) AXLE CONFIGURATION		INFLATION (PSI)	MAX SPEED
			SINGLES	DUALS		
RIB PATTERNS – ALL POSITION						
11R22.5	G	Endurance RSA	13200	25000	105	75
11R22.5	H	Endurance RSA	14100	25700	120	75
11R22.5	H	G731 MSA	13220	24020	120	75
11R22.5	H	G751 MSA	13220	24020	120	75
12R22.5	H	G731 MSA	14780	27120	120	75
12R22.5	H	G751 MSA	14780	27120	120	75
315/80R22.5	L	G291	18180	33080	130	75
315/80R22.5	L	G751 MSA	18180	33080	130	75
LUG PATTERNS – DRIVE POSITION						
11R22.5	G	G182 RSD	13200	25000	105	75
11R22.5	G	G622 RSD	13200	25000	105	75
11R22.5	H	G182 RSD	14100	25700	120	75
11R22.5	H	G288 MSA	13220	24020	120	75
11R22.5	H	G622 RSD	14100	25700	120	75
12R22.5	H	G182 RSD	15800	29000	120	75
12R22.5	H	G622 RSD	15800	29000	120	75
12R22.5	H	Endurance RSA	15800	29000	120	75
12R22.5	H	G731 MSA	14780	27120	120	75
12R22.5	H	G751 MSA	14780	27120	120	75
SUPER SINGLES						
385/65R22.5	J	G278 MSD	18740	N/A	120	75
385/65R22.5	J	G296 MSA	18740	N/A	120	75
425/65R22.5	L	G278 MSD	22800	N/A	120	75
425/65R22.5	L	G296 MSA	22800	N/A	120	75
445/65R22.5	L	G278 MSD	24600	N/A	120	75
445/65R22.5	L	G296 MSA	24600	N/A	120	75

*Intermittent service defined as no more than 50 miles of continuous operation under maximum recommended payload, or without stopping for at least 20 minutes. The emergency vehicle must reduce to no more than 50 mph after the first 50 miles of travel.



Rear Tire Options (Option Group: 440)

Michelin Intermittent Service Ratings:

Intermittent Emergency Vehicle Service Guidance for Michelin Truck Tires

Purpose: This document is intended to provide guidance regarding the application of the T&A Intermittent Emergency Vehicle Service provision to Michelin Truck Tires. See T&A Engineering Design Information for more information.
Application: For the purpose of this provision, Emergency Vehicles are defined as Fire Trucks and Ambulances.
Limitations: Continuous travel at the intermittent service conditions shown below is not to exceed a distance of 50 miles. If it is necessary to operate continuously for more than 50 miles, the emergency vehicle must reduce its speed to no more than 50 mph after the first 50 miles of travel.

CAI	Brand	Size	Tire Line	Load Range	Rim Width (in)	Nominal Service Conditions				MAX LOAD Condition				MAX SPEED Condition			
						Single Load (lbs) (L)	Dual Load (lbs) (L)	Speed (mph) (H)	Pressure (psi) (H)	Single Load (lbs) (L)	Dual Load (lbs) (L)	Speed (mph) (H)	Pressure (psi) (H)	Single Load (lbs) (L)	Dual Load (lbs) (L)	Speed (mph) (H)	Pressure (psi) (H)
145642	BFG	11R22.5	DR444	H	8.25	6610	6005	75	120	7073	6425	75	120	6610	6005	75	120
494452	BFG	11R22.5	DR675	H	8.25	6610	6005	65	120	7073	6425	65	120	6610	6005	75	120
145634	BFG	11R22.5	ST730	H	8.25	6610	6005	75	120	7073	6425	75	120	6610	6005	75	120
145722	BFG	11R22.5	ST734	H	8.25	6610	6005	75	120	7073	6425	75	120	6610	6005	75	120
746951	BFG	11R22.5	ST576	H	8.25	6610	6005	65	120	7073	6425	65	120	6610	6005	75	120
715938	Michelin	11R22.5	X Works MDY	H	8.25	6610	6005	65	120	7073	6425	65	120	6610	6005	75	120
148046	Michelin	11R22.5	XDE M/S	H	8.25	6610	6005	75	120	7073	6425	75	120	6610	6005	75	120
148782	Michelin	11R22.5	XDE	H	8.25	6610	6005	75	120	7073	6425	75	120	6610	6005	75	120
254577	Michelin	11R22.5	XMEZ	H	8.25	6610	6005	75	120	7073	6425	75	120	6610	6005	75	120
872717	Michelin	11R22.5	XZ3A*	H	8.25	6610	6005	75	120	7073	6425	75	120	6610	6005	75	120
692442	Michelin	11R22.5	XZ62	H	8.25	6610	6005	75	120	7073	6425	75	120	6610	6005	75	120
202351	Michelin	11R22.5	XZU3	H	8.25	6940	6395	62	120	7436	6843	62	120	6940	6395	68	120
148767	Michelin	11R22.5	XZV3	H	8.25	6610	6005	65	120	7073	6425	65	120	6610	6005	75	120
814293	Michelin	11R22.5	X Works Z	H	8.25	6610	6005	65	120	7073	6425	65	120	6610	6005	75	120
145230	BFG	12R22.5	ST730	H	8.25	7390	6780	75	120	7907	7255	75	120	7390	6780	75	120
148722	Michelin	12R22.5	XN2	H	8.25	7390	6780	75	120	7907	7255	75	120	7390	6780	75	120
148787	Michelin	12R22.5	XDS	H	8.25	7390	6780	65	120	7907	7255	65	120	7390	6780	75	120
023912	Michelin	12R22.5	XDE*	H	8.25	7390	6780	75	120	7907	7255	75	120	7390	6780	75	120
148725	Michelin	12R22.5	XZV3	H	8.25	7390	6780	65	120	7907	7255	65	120	7390	6780	75	120
706801	Michelin	12R22.5	X Works Z	H	8.25	7390	6780	65	120	7907	7255	65	120	7390	6780	75	120
750716	Michelin	315/80R22.5	X Works MDY	L	9.00	9090	8270	65	130	9750*	8849	65	130	9090	8270	75	130
338056	Michelin	315/80R22.5	XDN3 Grip	L	9.00	9090	8270	75	130	9750*	8849	75	130	9090	8270	75	130
110833	Michelin	315/80R22.5	XDN3	L	9.00	9090	8270	65	130	9750*	8849	65	130	9090	8270	75	130
465757	Michelin	315/80R22.5	X Line Energy Z	L	9.00	9090	8270	75	130	9750*	8849	75	130	9090	8270	75	130
110383	Michelin	315/80R22.5	XZ A1	L	9.00	9090	8270	75	130	9750*	8849	75	130	9090	8270	75	130
110980	Michelin	315/80R22.5	XZ A2 Energy	L	9.00	9090	8270	75	130	9750*	8849	75	130	9090	8270	75	130
055046	Michelin	315/80R22.5	XZU52	L	9.00	10000	8270	65	130	10700	8849	65	130	10000	8270	75	130
148735	Michelin	315/80R22.5	XZV3	L	9.00	9090	8270	65	130	9750*	8849	65	130	9090	8270	75	130
839089	Michelin	315/80R22.5	X Works Z	L	9.00	9090	8270	65	130	9750*	8849	65	130	9090	8270	75	130
942658	Michelin	315/80R22.5	X MultiWay 3D OE	L	9.00	9090	8270	75	130	9750*	8849	75	130	9090	8270	75	130
145073	BFG	385/65R22.5	ST565	J	11.75	9270	-	65	120	10026	-	65	120	9270	-	75	120
974186	Michelin	385/65R22.5	XFE (wb)	L	11.75	9270	-	65	130	10514	-	65	130	9270	-	75	130
811008	Michelin	385/65R22.5	X MultiWay HD ZXE	L	11.75	11000	-	68	130	11770	-	68	130	11000	-	75	130
952153	Michelin	385/65R22.5	XZV3	J	11.75	9270	-	65	120	10026	-	65	120	9270	-	75	120
145014	BFG	425/65R22.5	ST565	L	12.25	11400	-	65	120	12198	-	65	120	11400	-	75	120
529782	Michelin	425/65R22.5	XFE (wb)	L	12.25	11400	-	65	120	12198	-	65	120	11400	-	75	120
196958	Michelin	425/65R22.5	XZL (wb)	L	12.25	11400	-	60	120	12198	-	60	120	11400	-	75	120
923563	Michelin	425/65R22.5	XZU5	L	12.25	11400	-	65	120	12198	-	65	120	11400	-	75	120
985879	Michelin	425/65R22.5	XZV3	L	12.25	11400	-	65	130	12198	-	65	130	11400	-	75	130
408409	Michelin	445/65R22.5	XFE (wb)	M	14.00	12800	-	65	120	13696	-	65	120	12800	-	75	120
110142	Michelin	445/65R22.5	XZL (wb)	L	14.00	12300	-	60	120	13161	-	60	120	12300	-	75	120
540020	Michelin	445/65R22.5	XZV3	L	14.00	12800	-	65	130	13696	-	65	130	12800	-	75	130

Notes:
1) Tires with nominal maximum speed ratings equal to or less than 60 mph or greater than 68 mph do not have any additional MAX SPEED condition.
2) Please consult the wheel manufacturer's load and inflation limits. Never exceed wheel manufacturer's limits without permission of component manufacturer.
3) Please consult vehicle manufacturer for information regarding vehicle load and speed capacities.
4) Exceeding the lawful speed limit is neither recommended nor endorsed.
5) IEVS conditions are ONLY APPLICABLE when tires are mounted on the MEASURING RIM. Please consult the Michelin or BFG Databook for Measuring Rim for each product.
6) 315/80R22.5 LRL tire loads under the MAX LOAD, Single Mounted, condition have been changed from 9,736 lbs to 9,750 lbs to permit use of the full capacity of a standard 19,500 lb axle. Single Mount Only.

THE MAXIMUM LOADS AND SPEEDS ARE EFFECTIVE 21-Oct-2015. ALL PREVIOUS EDITIONS ARE CONSIDERED OBSOLETE. REVISION DATE: 6-Feb-18



Spare Wheel/Tire Options (Option Group: 440)

OPTION	DESCRIPTION
44041000	SPARE WHEEL, STEEL 22.5 X 8.25
44041005	SPARE WHEEL, STEEL 22.5 X 9
44041010	SPARE WHEEL, STEEL 22.5 X 12.25
44041015	SPARE WHEEL, ALUM 22.5 X 8.25
44041020	SPARE WHEEL, ALUM 22.5 X 9
44041025	SPARE WHEEL, ALUM 22.5 X 12.25
44042000	SPARE TIRE GOODYEAR 11R22.5
44042005	SPARE TIRE GOODYEAR 12R22.5
44042010	SPARE TIRE GOODYEAR 315/80R22.5
44042012	SPARE TIRE GOODYEAR 385/65R22.5 LRJ G296
44042016	SPARE TIRE GOODYEAR 425/65R22.5, ARMOR MAX PRO GRADE MSA
44042018	SPARE TIRE GOODYEAR 445/65R22.5
44042020	SPARE TIRE GOODYEAR 11R22.5 MUD AND SNOW
44042025	SPARE TIRE GOODYEAR 12R22.5 MUD AND SNOW
44042030	SPARE TIRE GOODYEAR 315/80R22.5 MUD & SNOW
44042035	SPARE TIRE MICHELIN 11R22.5
44042040	SPARE TIRE MICHELIN 12R22.5
44042045	SPARE TIRE MICHELIN 315/80R22.5
44042047	SPARE MICHELIN 385/65R22.5 LRJ XZY3
44042050	SPARE TIRE MICHELIN 425/65R22.5
44042052	SPARE TIRE MICHELIN 445/65R22.5
44042055	SPARE TIRE MICHELIN 11R22.5 MUD AND SNOW
44042060	SPARE TIRE MICHELIN 12R22.5 MUD AND SNOW
44042065	SPARE TIRE MICHELIN 315/80R22.5 MUD & SNOW
44042100	MOUNT SPARE TIRE TO SPARE WHEEL

Wheel Options (Option Group: 442)

OPTION	DESCRIPTION
44210000	WHEELS, STEEL (max 27K rear)
44210100	WHEELS, ALUM, ACCURIDE (max 27K rear)
44210110	WHEELS, ALUM, ACCURIDE, ACCUSHIELD (max 27K rear)
44210200	WHEELS, ALUM, ALCOA (max 27K rear)
44210210	WHEELS, ALUM, ALCOA, DURABRITE (max 27K rear)
44210220	WHEELS, ALUM, ALCOA, DURABLACK (max 27K rear)
44215000	WHEELS, STEEL (max 35K rear)
44215100	WHEELS, ALUM, ACCURIDE (max 35K rear)
44215110	WHEELS, ALUM, ACCURIDE, ACCUSHIELD (max 35K rear)
44215200	WHEELS, ALUM, ALCOA (max 35K rear)
44215210	WHEELS, ALUM, ALCOA, DURABRITE (max 35K rear)
44215220	WHEELS, ALUM, ALCOA, DURABLACK (max 35K rear)
44220000	WHEELS, STEEL (max 58K rear)
44220100	WHEELS, ALUM, ACCURIDE (max 58K rear)
44220110	WHEELS, ALUM, ACCURIDE, ACCUSHIELD (max 58K rear)
44220200	WHEELS, ALUM, ALCOA (max 58K rear)
44220210	WHEELS, ALUM, ALCOA, DURABRITE (max 58K rear)
44220220	WHEELS, ALUM, ALCOA, DURABLACK (max 58K rear)

Painted Steel Wheel:





Additional Wheel Options (Option Group: 442)

OPTION	DESCRIPTION
44230110	INNER WHEELS COATED, SINGLE AXLE
44230120	INNER WHEELS COATED, TANDEM AXLE
44230210	BALANCE STEEL WHEELS, SINGLE AXLE
44230220	BALANCE STEEL WHEELS, TANDEM AXLE
44270100	HUB COVERS, FRONT & REAR, POLISHED STS (Single Axle)
44270105	HUB COVERS, FRONT & REAR, POLISHED STS (Tandem Axle)
44270200	WHEEL COVERS, FULL DELUXE POLISHED STS (Single Axle)
44270205	WHEEL COVERS, FULL DELUXE POLISHED STS (Tandem Axle)
44270300	CHROME LUG NUT CAPS, FRONT & REAR (Single Axle)
44270305	CHROME LUG NUT CAPS, FRONT & REAR (Tandem Axle)
44270500	PAINTED SILVER STRIPE FOR STEEL WHEELS SINGLE AXLE
44270505	PAINTED SILVER STRIPE FOR STEEL WHEELS TANDEM AXLE
44271100	MUD FLAPS, FRONT (PAIR)
44271200	MUD FLAPS, REAR (PAIR)

Hub Cover, Polished Stainless:

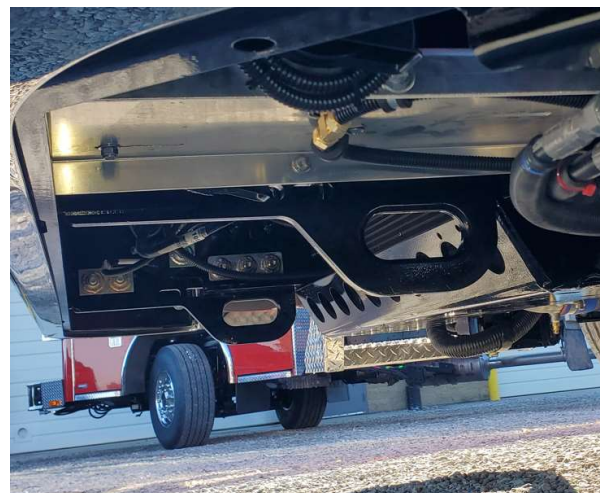




Tow Eye Options (Option Group: 450)

OPTION	DESCRIPTION
45010001	FRONT TOW EYES, BELOW BUMPER, PAINTED
45030210	ADDITIONAL FRONT TOW EYES, THROUGH BUMPER FACE, PAINTED
45030215	ADDITIONAL FRONT TOW EYES, THROUGH BUMPER FACE, POLISHED STAINLESS
45030220	ADDITIONAL FRONT TOW EYES, TOP OF BUMPER, PAINTED
45030225	ADDITIONAL FRONT TOW EYES, TOP OF BUMPER, POLISHED STAINLESS

Tow eyes below bumper (standard):



Tow eyes, through bumper face:



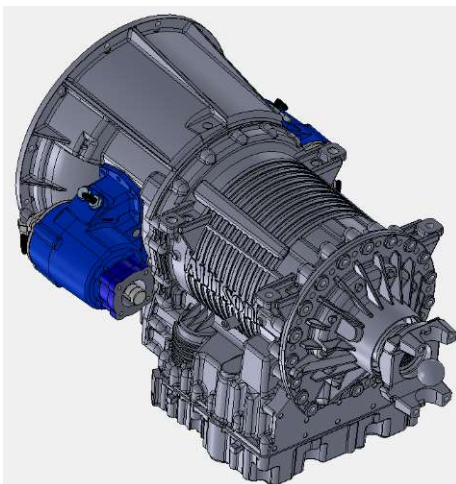
Tow eyes, top of bumper:



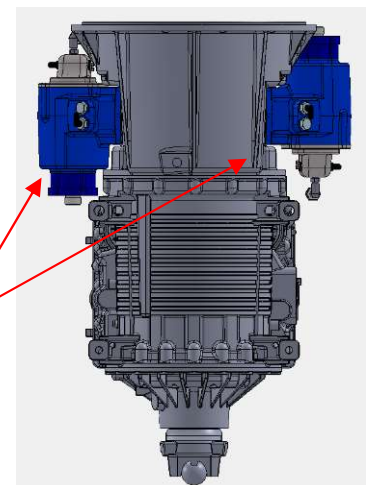
Transmission Options (Option Group: 470)

OPTION	DESCRIPTION
47012430	TRANSMISSION, ALLISON GEN 5, EVS3000
47012435	TRANSMISSION, ALLISON GEN 5, EVS3000R W/RETARDER
47012440	TRANSMISSION, ALLISON GEN 5, EVS4000
47012445	TRANSMISSION, ALLISON GEN 5, EVS4000R W/RETARDER
47012450	TRANSMISSION, ALLISON GEN 5, EVS4500
47012455	TRANSMISSION, ALLISON GEN 5, EVS4500R W/RETARDER
47024050	TRANSMISSION COOLER
47030000	ALLISON TOUCH PAD SHIFTER
47031000	HOT SHIFT PTO
47031050	SWITCH & WIRING FOR HOT SHIFT PTO
47031100	PTO PAINTED TO MATCH THE FRAME

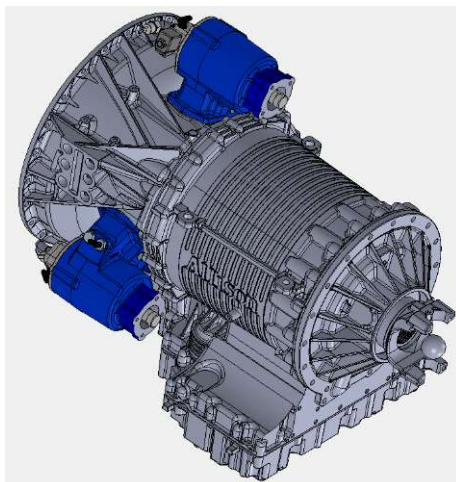
EVS3000



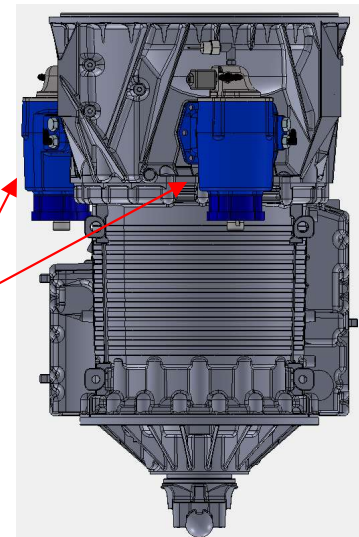
EVS3000, 4 &
8 O'Clock
PTO positions
available:



EVS4000



EVS4000, 1 &
8 O'Clock
PTO positions
available:



Turn Signal Options (Option Group: 480)

OPTION	DESCRIPTION
48010300	FRONT TURN SIGNALS, WHELEN 400 SERIES LED (4)
48010400	FRONT TURN SIGNALS, FEDERAL SIGNAL QUADRAFLARE SERIES LED, QL43-TURN (4)
48010500	FRONT TURN SIGNALS, FEDERAL SIGNAL QUADRAFLARE SERIES LED, QL64-ARROW (2)
48089500	FRONT TURN SIGNALS, WHELEN 600 SERIES LED, ARROW (2)
48090000	FRONT TURN SIGNALS, TRUCK LITE, HALOGEN (2)
48090001	FRONT TURN SIGNALS, WHELEN 400 SERIES LED (2)
48090010	FRONT TURN SIGNALS, FEDERAL SIGNAL QUADRAFLARE SERIES LED, QL43-TURN (2)

Front Turn Signal, Whelen 400 LED:



Front Turn Signal,
Whelen 600 LED
Guide Arrow:



Additional Chassis Options (Option Group: 520/540)

OPTION	DESCRIPTION
52010010	ELECTRIC INTERMITTENT WIPERS
52030100	DEACTIVATE WINDSHIELD WIPERS WITH PARKING BRAKE ENGAGED
52030200	WINDSHIELD WASHER RESERVOIR
52030210	WINDSHIELD WASHER RESERVOIR W/SENSOR & INDICATOR LIGHT
53510000	COMPRESSION FITTINGS ON AIR SYSTEM (CHASSIS)
54010000	MISCELLANEOUS ITEMS ON CHASSIS
54010010	DATA, SAFETY & WARNING TAGS APPLICATION, ADHESIVE
54010020	DATA, SAFETY & WARNING TAGS APPLICATION, SCREW-ON
54010100	AERIAL CHASSIS PREP (SINGLE AXLE)
54010200	AERIAL CHASSIS PREP (TANDEM AXLE)
54010300	AERIAL CHASSIS PREP (TANDEM AXLE) INDUSTRIAL
54010500	COLD WEATHER PACKAGE
54010510	COLD WEATHER PACKAGE (AERIALS)

53510000 – Compression Fittings:



52030200 – Windshield washer fill in Officer's step well (std location):





Cab/Frame Paint Options (Option Group: 900)

OPTION	DESCRIPTION
90010020	PAINT SCHEME
90010030	STAINLESS PAINT SCHEME - CORP AERIALS
90010050	STAINLESS PAINT SCHEME - STS PPRS & MINITOWER
90010060	STAINLESS PAINT SCHEME - SL100/SLR108
90010505	PAINT FOR CHASSIS ONLY
90015202	FULL PAINT ON AERIAL STAINLESS BODY
90015210	FULL PAINT ON MINI-TOWER STAINLESS BODY
90015220	FULL PAINT ON SL100/SLR108
90015300	FULL PAINT ON STAINLESS PUMPER
90029910	PAINT BREAK #1 - BOTTOM OF WINDSHIELD
90029920	PAINT BREAK #2 - TOP OF GRILLE
90029930	PAINT BREAK #3 - TOP OF GRILLE W/ GRILLE SWOOP
90029940	PAINT BREAK #4 - WINDSHIELD SWOOP TO TOP OF GRILLE
90029950	PAINT BREAK #5 - WINDSHIELD SWOOP W/ GRILLE SWOOP
90029960	PAINT BREAK #6 - BETWEEN WINDSHIELD AND TOP OF GRILLE W/ GRILLE SWOOP
90029970	PAINT BREAK #7 - BETWEEN WINDSHIELD AND TOP OF GRILLE W/ WINDSHIELD SWOOP
90030002	METALLIC PAINT
90030004	PAINT, SINGLE TONE
90030007	TWO TONE CAB
90030010	TWO TONE CAB & BODY
90030012	TWO TONE CAB, BODY & PUMP MODULE
90030015	A/C CONDENSER PAINTED ROOF COLOR
90030020	TWO TONE PAINT FOR ROLL-UP DOORS ON CAB EXTERIOR COMPARTMENTS (EA)
90030021	TWO TONE PAINT FOR ROLL-UP DOORS ON CAB EXTERIOR EMS CABINET (EA)
90030031	PAINT, TURNABLE, SIDE PLATES & LIFT CYLINDER SILVER
90030032	PAINT, TURNABLE, SIDE PLATES & LIFT CYLINDER OTHER THAN SILVER
90030033	PAINT, LADDER SHEAVE BEAMS, EXT CYLINDER & YOKE SILVER
90030034	PAINT, LADDER SHEAVE BEAMS, EXT CYLINDER & YOKE OTHER THAN SILVER
90030050	PAINT BEHIND LADDER MOUNTS, ONE SIDE
90030051	PAINT BEHIND LADDER MOUNTS, BOTH SIDES
90030075	SIDE METAL PAINTED ON HIGH SIDE, ONE SIDE
90030076	SIDE METAL PAINTED ON HIGH SIDE, BOTH SIDES
90030140	PAINT FRAME RAILS - BLACK
90030141	PAINT FRAME RAILS & BODY REAR DROP - BLACK
90030142	PAINT FRAME RAILS & BODY REAR DROP - BODY COLOR
90030143	PAINT FRAME RAILS, BODY REAR DROP, FUEL TANK, & LOWER CHASSIS COMPONENTS – BODY COLOR
90030144	PAINT FRAME RAILS - BODY COLOR
90030154	PAINT FRAME RAILS & BODY REAR DROP - BLACK
90030155	PAINT FRAME RAILS & BODY REAR DROP - BODY COLOR
90030156	PAINT FRAME RAILS, BODY REAR DROP, FUEL TANK, & LOWER CHASSIS COMPONENTS - BODY COLOR
90030159	PAINT FRAME RAILS, FUEL BEAM, BODY REAR DROP & LOWER AERIAL COMPONENTS - BLACK (TANDEM)
90030160	PAINT FRAME RAILS & BODY REAR DROP - BODY COLOR, FUEL BEAM & LOWER AERIAL COMPONENTS - BLACK (TANDEM)
90030165	PAINT FRAME RAILS, FUEL BEAM, BODY REAR DROP & LOWER AERIAL COMPONENTS - BODY COLOR (TANDEM)
90030170	PAINT FRAME RAILS, FUEL TANK, & LOWER AERIAL COMPONENTS - BLACK (SINGLE AXLE)
90030171	PAINT FRAME RAILS, FUEL TANK, BODY REAR DROP & LOWER AERIAL COMPONENTS - BLACK (SINGLE AXLE)
90030172	PAINT FRAME RAILS & BODY REAR DROP - BODY COLOR, FUEL TANK & LOWER AERIAL COMPONENTS - BLACK (SINGLE AXLE)
90030173	PAINT FRAME RAILS, FUEL TANK, BODY REAR DROP & LOWER AERIAL COMPONENTS - BODY COLOR (SINGLE AXLE)
90030174	PAINT FRAME RAILS, FUEL TANK, & LOWER AERIAL COMPONENTS - BLACK (SLR108)
90030175	PAINT FRAME RAILS, FUEL TANK, BODY REAR DROP & LOWER AERIAL COMPONENTS - BLACK (SLR108)
90030176	PAINT FRAME RAILS & BODY REAR DROP - BODY COLOR, FUEL TANK & LOWER AERIAL COMPONENTS - BLACK (SLR108)
90030177	PAINT FRAME RAILS, FUEL TANK, BODY REAR DROP & LOWER AERIAL COMPONENTS - BODY COLOR (SLR108)
90030180	PAINT BREATHING AIR CYLINDER(S) BODY COLOR (EA)
90030190	TEXTURED FRAME RAIL COATING
90030200	CAB INTERIOR PAINTED OTHER THAN STD, FOUR DOOR CAB
90030205	CAB INTERIOR PAINTED OTHER THAN STD, TWO DOOR CAB



SUTPHEN CORPORATION

Cab Paint Options (Option Group: 900)

99029910:



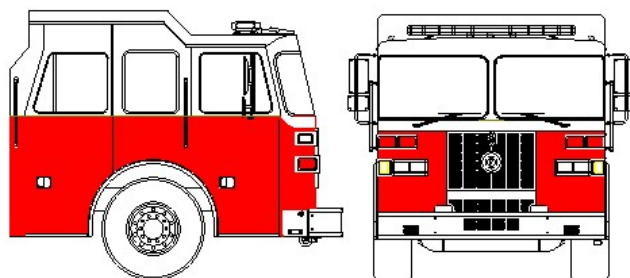
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90029930:



90029940:

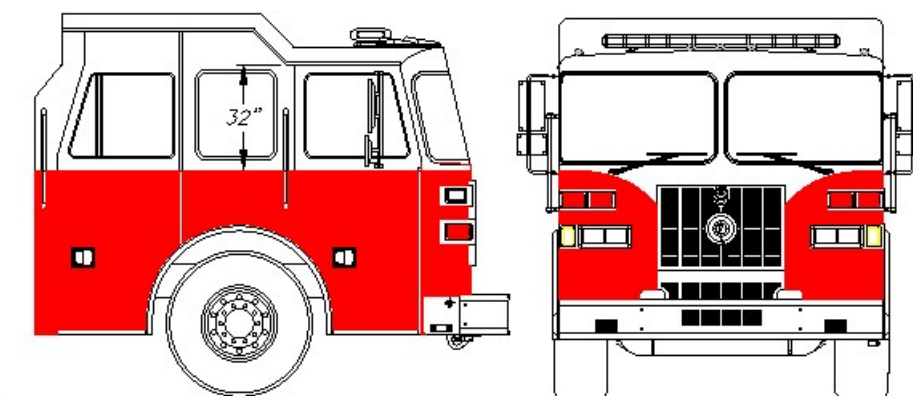


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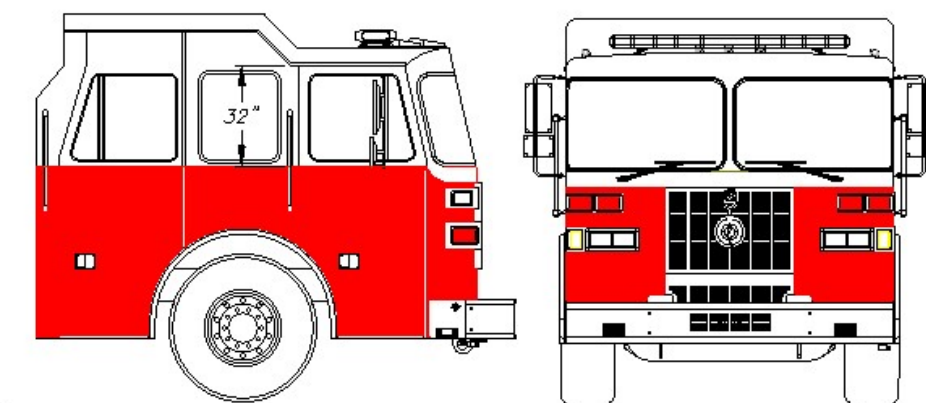


Cab Paint Options, Cont'd (Option Group: 900)

90029960:



90029970:



SPECIAL OPTION, Custom paint break – specify dimension from cab drip rail:

