



VEHICLE FACTORS GROUP CHAIRMAN'S

Vehicle Attachment – UPS Freightliner #1 Build Sheets

Mount Pleasant, Pennsylvania

HWY20MH002

(26 pages)

REQUESTED BY:
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IOPSCN-1

*** TSO REPORT

*** DATE:

01/07/20

TIME:

14:48:08

CUSTOMER:
NUMBER.....

SERIAL

PA 19603

TSO

NUMBER.....

MODEL NUMBER.....

INTERNAL MODEL....

BUILD

LOCATION.....SALTILLO, CO
OUTLET: P.O. BOX 563
NO.....UPS233726
READING PA 19603
RECEIVED.....10/04/16

PO

ORDER

REQUESTED

DELIVERY.....01/09/17

COORDINATOR: JOHN STIFF

DB
WEIGHTS (*)
ITEM CODE
REAR

OPTION

SPECIFICATIONS

STATUS FRONT

PRICE LEVEL INFORMATION

1 PRL-44F CASCADIA PRL-44F (EFF:10/13/09)..... OPT

GENERAL APPLICATION INFORMATION

- 2 AA1-001 TRACTOR/TRAILER CONFIGURATION
- 3 AA6-001 DOMICILED, USA 50 STATES (INCLUDING CALI FORNIA AND CARB OPT-IN STATES)
- 4 A85-005 LINEHAUL/LONG HAUL SERVICE
- 5 A84-1GF GENERAL FREIGHT BUSINESS SEGMENT
- 6 AA2-001 VAN TRAILER
- 7 AH6-001 SINGLE (1) TRAILER
- 8 AA5-002 TERRAIN/DUTY: 100% (ALL) OF THE TIME, IN TRANSIT, IS SPENT ON PAVED ROADS
- 9 AB5-001 SMOOTH CONCRETE OR ASPHALT PAVEMENT - MOST SEVERE IN-TRANSIT (BETWEEN SITES) ROAD SURFACE

10	AB1-008	MAXIMUM 8% EXPECTED GRADE		
11	AA4-001	GENERAL FREIGHT COMMODITY		
12	A66-99D	EXPECTED FRONT AXLE(S) LOAD	13200	LBS
13	A68-99D	EXPECTED REAR DRIVE AXLE(S) LOAD	40000	LBS
14	A63-99D	EXPECTED GROSS VEHICLE WEIGHT CAPACITY	53200	LBS
15	A70-99D	EXPECTED GROSS COMBINATION WEIGHT	80000	LBS
16	AC8-99D	CALC'D BACK OF CAB TO REAR SUSP C/L (CA)	95.28	IN
17	A79-99D	EXPECTED MAXIMUM TRAILER SWING RADIUS	62.5	IN
18	A78-99D	EXPECTED MAXIMUM TRAILER DIP ANGLE	4	DEG
19	AL7-99D	CALC'D MAXIMUM FORWARD 5TH WHEEL LOC	12	IN
20	AM5-99D	CALC'D TRAILER CLEAR@MAX FWD 5TH WHL LOC	74.76	IN
21	AL9-99D	CALC'D MIN TRLR KP TO LANDING GEAR CLEAR	75	IN
22	AC3-99D	CALC'D VEHICLE SPEED @ GOVERNED ENG RPM	91.78	MPH

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REAR				
23	AM3-99D	CALC'D FRAME HEIGHT @ REAR SUSP-EXP LOAD	38	IN
24	AM2-99D	CALC'D FRAME HEIGHT @ REAR SUSP-UNLADEN	39.57	IN
25	AM0-99D	TOP OF FRM TO RR TIRE TOP-UNLD	-2.43	IN

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MAXIMUM GVW & AXLE SYSTEM CAPACITIES

COMPONENT TAG	-----AXLES-----					
	-----FRONT-----			-----REAR-----		
	1ST	2ND	PUSHER	1ST	2ND	3RD
AXLE	13300			20000	20000	
SUSPENSION	13300			20000	20000	
TIRES	13220			23360	23360	
WHEELS/RIMS	14780			29560	29560	
HUBS/SPOKES	13300			23000	23000	
BRAKES	14700			23000	23000	
STEERING	13300					

MAX RATED CAPACITY 13220 20000 20000

VEHICLE SUMMARY

MAX CAP FRONT AXLE: 13220
MAX CAP REAR/AXLE: 40000
MAX CAP PUSH/TAG AXLE:
MAX VEHICLE CAP (GVW): 53220

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REAR				
26	A61-99D	CALC'D MAX CAPACITY FRONT AXLE(S) TOTAL	13220	LBS
27	A59-99D	CALC'D MAX CAPACITY DRIVE AXLE(S) TOTAL	40000	LBS
28	A60-99D	CALC'D MAX CAP PUSHER/TAG AXLE(S) TOTAL	0	LBS
29	A62-99D	RATED MAXIMUM VEHICLE CAPACITY - GVWR	53220	LBS

BASE MODEL

30	001-233	CASCADIA 125 INCH SLEEPER CAB.....	OPT	10081
7676				
31	004-218	2018 MODEL YEAR SPECIFIED.....	OPT	
32	028-998	NO OPTIMIZED POWER TRAIN PACKAGE.....	OPT	
33	066-998	NO FUEL EFFICIENCY/AERODYNAMIC PACKAGE..	OPT	
34	995-1AD	FREIGHTLINER LEVEL I WARRANTY.....	STD	
35	002-002	SET BACK AXLE - TRACTOR.....	STD	
36	019-998	NO TRUCK PROVISION PACKAGE.....	STD	
37	003-001	LH PRIMARY STEERING LOCATION.....	STD	

ENGINE

38	101-2YB	DETROIT DD13 12.8L 470 HP @ 1625 RPM, 19	OPT	-280
-10				
		00 GOV RPM, 1650 LB/FT @ 975 RPM.....		
39	99C-017	2016-2019 ONBOARD DIAGNOSTICS/2010 EPA/C	OPT	
		ARB/FINAL GHG17 CONFIGURATION.....		
40	99Z-004	VEHICLE IS SUBJECT TO EPA GHG14/GHG17, D	OPT	
		OES NOT HAVE REGULATORY VEHICLE SPEED LI		
		MITER (VSL) OR AUTOMATIC ENGINE SHUTDOWN		
		(AES).....		
41	99D-011	2008 CARB EMISSION CERTIFICATION - CLEAN	OPT	
		IDLE (INCLUDES 6X4 INCH LABEL ON LOWER		
		FORWARD CORNER OF DRIVER DOOR).....		
42	28F-002	ENGINE AFTERTREATMENT DEVICE, AUTOMATIC	STD	
		OVER THE ROAD REGENERATION AND DASH MOUN		
		TED REGENERATION REQUEST SWITCH.....		
43	79A-070	70 MPH ROAD SPEED LIMIT.....	OPT	
44	79B-006	CRUISE CONTROL SPEED LIMIT SAME AS ROAD	OPT	
		SPEED LIMIT, WITH AUTO RESUME AFTER SHIF		
		T.....		
45	79C-998	NO DRIVER FUEL ECONOMY INCENTIVE.....	OPT	
46	79D-002	1650 RPM/18 MPH LIMIT FOR LOW GEARS, 165	OPT	
		0 RPM/44 MPH LIMIT FOR MIDDLE GEARS, 165		
		0 RPM/45 MPH LIMIT FOR HIGH GEARS.....		
47	79E-998	NO LOW RANGE TORQUE PROTECT.....	OPT	
48	79F-998	NO FLEET MANAGEMENT.....	OPT	

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OPTION

ITEM REAR	CODE	SPECIFICATIONS	STATUS	FRONT
49	79G-013	5 MINUTES IDLE SHUTDOWN WITHOUT CLUTCH AND SERVICE BRAKE OVERRIDE, 10% MAXIMUM ENGINE LOAD.....	OPT	
50	79J-998	NO PTO SHUTDOWN CONFIGURATION.....	OPT	
51	79K-998	NO PTO MODE ENGINE RPM LIMIT, PTO 1.....	OPT	
52	79L-998	PTO MODE THROTTLE OVERRIDE DISABLED.....	OPT	
53	79M-002	PTO MODE BRAKE OVERRIDE - SERVICE BRAKE APPLIED OR PARK BRAKE NOT APPLIED.....	OPT	
54	79N-998	NO PTO MODE CLUTCH OVERRIDE.....	OPT	
55	79P-998	NO PTO RPM WITH CRUISE SET SWITCH.....	OPT	
56	79Q-998	NO PTO RPM WITH CRUISE RESUME SWITCH....	OPT	
57	79R-998	NO PTO MODE COOLING FAN.....	OPT	
58	79S-001	PTO MODE CANCEL VEHICLE SPEED - 5 MPH...	OPT	
59	79T-001	PTO MODE RPM INCREMENT - 25 RPM.....	OPT	
60	79U-004	PTO GOVERNOR RAMP RATE - 100 RPM PER SECOND.....	OPT	
61	79V-998	NO PTO MODE DPF REGEN.....	OPT	
62	79W-001	ONE REMOTE PTO SPEED.....	OPT	
63	79X-003	PTO SPEED 1 SETTING - 800 RPM.....	OPT	
64	79Y-998	NO PTO 2 SET SPEED.....	OPT	
65	79Z-998	NO PTO 3 SET SPEED.....	OPT	
66	80A-998	NO ALTERNATE ROAD SPEED LIMIT.....	OPT	
67	80B-998	NO CHECK ENGINE LIGHT ON OVERSPEED.....	OPT	
68	80C-012	ENGINE BRAKE WITH GLOBAL CRUISE CONTROL ENABLED.....	OPT	
69	80D-001	SOFT CRUISE CONTROL ENABLED.....	OPT	
70	80E-001	ENGINE FAN ENABLED WITH RETARDER.....	OPT	
71	80F-998	NO MAINTENANCE MONITOR.....	OPT	
72	80G-998	NO PTO MINIMUM RPM.....	OPT	
73	80H-998	NO ACCELERATION MANAGEMENT.....	OPT	
74	80J-998	NO REGEN INHIBIT SPEED THRESHOLD.....	OPT	
75	80R-000	DRIVELINE TORQUE PROTECTION - ENABLED...	OPT	
ENGINE EQUIPMENT				
76	13E-001	STANDARD OIL PAN.....	OPT	
77	105-001	ENGINE MOUNTED OIL CHECK AND FILL.....	STD	
78	133-004	ONE PIECE VALVE COVER.....	OPT	
79	014-1B2	LOWER WINDSHIELD AIR INTAKE WITH ENGINE MOUNTED AIR CLEANER.....	STD	
80	124-1E8	DR 12V 240 AMP 40-SI BRUSHLESS PAD ALTERNATOR WITH REMOTE BATTERY VOLTAGE SENSE.	OPT	10

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	REAR					
	81	292-1E6	(4) ODYSSEY EXTREME ABSORBED GLASS MAT P	OPT		50
	30		C2150S-H, VENTED, GROUP 31, 12 VOLT 4600 CCA THREADED STUD BATTERIES, WARRANTY E XCLUDED BY DTNA LLC.....			
	82	290-1D3	STEEL BATTERY BOX WITH ENCLOSED TRAY....	OPT		
	83	282-001	SINGLE BATTERY BOX FRAME MOUNTED LH SIDE UNDER CAB.....	STD		
	84	291-017	WIRE GROUND RETURN FOR BATTERY CABLES WI TH ADDITIONAL FRAME GROUND RETURN.....	OPT		
	85	289-012	NON-POLISHED DIAMOND PLATE BATTERY BOX C OVER.....	STD		
	86	293-058	POSITIVE LOAD DISCONNECT WITH CAB MOUNTE D CONTROL SWITCH MOUNTED OUTBOARD DRIVER SEAT.....	OPT		8
	87	295-998	NO JUMPSTART POST.....	STD		
	88	306-015	PROGRESSIVE LOW VOLTAGE DISCONNECT AT 12 .3 VOLTS FOR DESIGNATED CIRCUITS.....	STD		
	89	180-1AP	DETROIT HEAVY DUTY AUTOMATED MANUAL TRAN SMISSION CLUTCH.....	OPT		-25
	90	183-998	NO CLUTCH BRAKE.....	OPT		
	91	181-998	NO CLUTCH RELEASE BEARING LUBE.....	OPT		
	92	182-998	NO CLUTCH RELEASE.....	OPT		
	93	107-044	BW MODEL BA-921 19.0 CFM SINGLE CYLINDER AIR COMPRESSOR WITH SAFETY VALVE.....	OPT		
	94	108-002	STANDARD MECHANICAL AIR COMPRESSOR GOVER NOR.....	OPT		
	95	131-013	AIR COMPRESSOR DISCHARGE LINE.....	OPT		
	96	152-040	ELECTRONIC ENGINE INTEGRAL WARNING AND D ERATE PROTECTION SYSTEM.....	OPT		
	97	128-002	JACOBS COMPRESSION BRAKE.....	OPT		
	98	016-1C3	RH OUTBOARD UNDER STEP MOUNTED HORIZONTA L AFTERTREATMENT SYSTEM ASSEMBLY WITH RH HORIZONTAL TAILPIPE.....	OPT		-60
	-55					
	99	239-001	STANDARD EXHAUST SYSTEM LENGTH.....	OPT		
	100	233-998	NO EXHAUST BRIGHTWORK (PLAIN).....	OPT		
	101	237-052	RH STANDARD HORIZONTAL TAILPIPE.....	OPT		
	102	23U-003	23 GALLON DIESEL EXHAUST FLUID TANK.....	OPT		
	103	43W-001	STANDARD DIESEL EXHAUST FLUID SYSTEM COO LANT PLUMBING.....	OPT		
	104	30N-002	50 PERCENT DIESEL EXHAUST FLUID FILL....	OPT		
	105	23Z-002	NON-POLISHED ALUMINUM DIAMOND PLATE DIES	OPT		20
	10					

106 43Y-001 EL EXHAUST FLUID TANK COVER.....
 STANDARD DIESEL EXHAUST FLUID TANK CAP.. OPT

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107	242-998	NO MUFFLER/TAILPIPE SHIELD.....	OPT	
108	273-036	BORG WARNER (KYSOR) REAR AIR ON/OFF ENGI NE FAN CLUTCH.....	STD	
109	276-001	AUTOMATIC FAN CONTROL WITHOUT DASH SWITC H, NON ENGINE MOUNTED.....	STD	
110	110-071	DDC SUPPLIED ENGINE MOUNTED FUEL FILTER/ FUEL WATER SEPARATOR WITH ESOC AND WATER -IN-FUEL INDICATOR.....	OPT	
111	118-001	FULL FLOW OIL FILTER.....	STD	
112	120-998	NO COOLANT FILTER.....	STD	
113	266-069	1400 SQUARE INCH RADIATOR.....	OPT	
114	103-039	ANTIFREEZE TO -34F, OAT (NITRITE AND SIL ICATE FREE) EXTENDED LIFE COOLANT.....	OPT	
115	171-007	GATES BLUE STRIPE COOLANT HOSES OR EQUIV ALENT.....	STD	
116	172-007	GATES POWERGRIP SHRINK BAND HOSE CLAMPS WHERE POSSIBLE.....	OPT	
117	270-020	HDEP VARIABLE SPEED COOLANT PUMP WITH CO OLANT FILL/EVACUATION QUICK CONNECT ON R ADIATOR.....	OPT	
118	138-041	PHILLIPS-TEMRO 1500 WATT/115 VOLT BLOCK HEATER WITH THERMOSTAT.....	OPT	4
119	141-998	NO COOLANT HEATER - GAS/DSL.....	STD	
120	140-053	BLACK PLASTIC ENGINE HEATER RECEPTACLE M OUNTED UNDER LH DOOR.....	OPT	
121	134-001	ALUMINUM FLYWHEEL HOUSING.....	STD	
122	155-074	DELCO 12V MOD 3.175-39MT+ OCP STARTER WI TH THERMAL PROTECTION AND INTEGRATED MAG NETIC SWITCH.....	OPT	

TRANSMISSION & EQUIPMENT

123 342-1X0 DT12-OB-1650 HEAVY DUTY 12-SPEED OVERDRI OPT -90
 23

167	622-218	AIRLINER 40,000# EXTRA DUTY REAR SUSPENS	OPT
160		ION.....	
168	621-007	AIRLINER HIGH POSITION RIDE HEIGHT.....	STD
169	431-005	RESTRAINED AXLE SEATS IN AXLE CLAMP GROU	OPT
		P.....	
170	624-016	51 INCH AXLE SPACING.....	OPT
171	888-047	MANUAL DUMP VALVE FOR AIR SUSPENSION WIT	OPT
		HOUT GAUGE.....	
172	87D-007	INDICATOR LIGHT AND BUZZER FOR EACH REAR	OPT
		SUSPENSION CONTROL SWITCH.....	
173	910-001	SINGLE AIR REAR SUSPENSION LEVELING VALV	OPT
		E.....	
174	623-002	TRANSVERSE CONTROL RODS.....	STD
175	439-005	REAR SHOCK ABSORBERS - TWO AXLES (TANDEM	STD
) (AIR RIDE SUSPENSION).....	
176	443-998	NO PUSHER OR TAG AXLE.....	STD
177	456-998	NO PUSHER/TAG BRAKES.....	STD
178	457-998	NO BRAKE LINING-PUSHER/TAG (SCO).....	STD
179	448-998	NO REAR BRAKE DRUMS/ROTORS FOR PUSHER/TA	STD
		G.....	
180	429-998	NO PUSHER/TAG BRAKE DUST SHIELDS.....	STD
181	442-998	NO PUSHER OR TAG OIL SEALS.....	STD
182	445-998	NO PUSHER OR TAG BRAKE CHAMBERS.....	STD
183	458-998	NO PUSHER/TAG SLACK ADJUSTERS.....	STD

BRAKE SYSTEM

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184	490-107	WABCO 4S/4M ABS WITH HILL START AID, AUTOMATIC TRACTION CONTROL AND WITH ATC OFF-ROAD SWITCH.....	OPT
185	871-001	REINFORCED NYLON, FABRIC BRAID AND WIRE BRAID CHASSIS AIR LINES.....	STD
186	904-001	FIBER BRAID PARKING BRAKE HOSE.....	STD
187	412-002	BENDIX BRAKE VALVES WHERE POSSIBLE.....	OPT

188	413-002	STD U.S. FRONT BRAKE VALVE.....	OPT	
189	432-003	RELAY VALVE WITH 5-8 PSI CRACK PRESSURE, NO REAR PROPORTIONING VALVE.....	STD	
190	480-083	WABCO SS-1200 PLUS AIR DRYER WITH INTEGRAL AIR GOVERNOR AND HEATER.....	STD	
191	483-004	WABCO OIL COALESCING FILTER FOR AIR DRYER.....	STD	
192	460-001	STEEL AIR BRAKE RESERVOIRS.....	STD	
193	46A-040	(1) 700 CUBIC INCH ALUMINUM TRANSMISSION	OPT	10
15		AIR TANK, INLET CHECK VALVE.....		
194	607-998	CHASSIS CONFIGURATION - NONE.....	STD	
195	46D-002	STANDARD AIR SYSTEM PRESSURE PROTECTION SYSTEM.....	OPT	
196	477-001	PULL CABLE ON WET TANK, PETCOCK DRAIN VALVES ON ALL OTHER AIR TANKS.....	STD	
197	481-092	GLAD HANDS ONLY FOR 3-IN-1 PRIMARY TRAILER CABLE.....	OPT	
198	476-067	36 INCH STAINLESS STEEL SLIDE BAR WITH 2 0.5 INCH HEAVY DUTY SPRING WITH CABLE CLAMP HOLDER FOR USE WITH 3-IN-1 TRAILER CABLE ASSEMBLY.....	OPT	
199	484-032	COMBINATION DUMMY GLAD HANDS AND LIGHT P LUG HOLDER MOUNTED LH BACK OF CAB WITH GROUND ACCESS.....	STD	
200	296-010	PRIMARY CONNECTOR/RECEPTACLE WIRED FOR SEPARATE STOP/TURN, ABS CENTER PIN POWERED THROUGH IGNITION.....	STD	
201	297-027	SAE J560 7-WAY PRIMARY TRAILER CABLE RECEPTACLE MOUNTED LOWER LH BACK OF CAB....	STD	
202	331-001	SUPPLEMENTAL J560 7-WAY RECEPTACLE LOCATED WITH PRIMARY RECEPTACLE.....	OPT	
203	30K-998	NO HIGH CURRENT RECEPTACLE/WIRING.....	STD	
204	30L-998	NO HIGH CURRENT TRAILER/BODY CABLE.....	STD	
205	310-103	12 FOOT PHILLIPS #30-2154 DETACHABLE 7-WAY 3-IN-1 TRAILER CABLE WITH QUICK CONNECT PLUGS.....	OPT	5

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FRAME & WHEELBASE

206	545-597	5975MM (235 INCH) WHEELBASE.....	OPT	
207	546-100	11/32X3-1/2X10-3/16 INCH STEEL FRAME (8. 73MMX258.8MM/0.344X10.19 INCH) 120KSI...	OPT	
208	552-012	1450MM (57 INCH) REAR FRAME OVERHANG....	STD	
209	AB8-99D	CALC'D FRAME SLOPE @ FRT/RR SUSP RATINGS		0.52 %
210	553-002	FLANGED TAPERED END OF FRAME.....	STD	
211	559-001	STANDARD WEIGHT ENGINE CROSSMEMBER.....	STD	
212	565-002	HEAVY DUTY SUSPENSION CROSSMEMBER.....	OPT	
		30		
213	572-005	HOSTLER 3,500# CAPACITY TOWING REAR CROS SMEMBER.....	OPT	
		30		
214	587-090	HOSTLER-HOLLAND PH-10RP41 PINTLE HITCH..	OPT	
		10		

CHASSIS EQUIPMENT

215	674-001	LH BACK OF CAB ACCESS.....	STD	
216	592-055	28 INCH (700MM) DECK PLATE FLUSH MOUNTED BETWEEN RAILS.....	OPT	5
		5		
217	556-079	SOLID DARK GRAY AERODYNAMIC BUMPER.....	STD	
218	557-001	CENTER STEP RECESSED IN BUMPER.....	STD	
219	558-033	REMOVABLE FRONT TOW HOOKS STORED ON THE CHASSIS FRAME.....	STD	25
220	574-007	BUMPER MOUNTING FOR (3) LICENSE PLATES..	STD	
221	585-1AW	BETTS B-84 PAINTED HEAVY DUTY MUDFLAP BR ACKETTS MOUNTED AFT WITH ADDITIONAL BRACK ETS ONLY FOR STORAGE MOUNTED FORWARD REA R SUSPENSION.....	OPT	
		10		
222	590-008	KONETA SAFETY GUARD ANTI-SPRAY/SAIL BLAC K MUDFLAPS, NO LOGO.....	OPT	
223	586-015	FRONT ANTI-SPRAY CAB MOUNTED MUDFLAPS...	STD	
224	576-014	(2) PRO-TECH TA-5950 24 INCH CHAIN HANGE RS WITH SLIDE LID.....	OPT	30
		50		
225	551-002	HUCK-SPIN ROUND COLLAR CHASSIS FASTENERS	STD	
226	583-058	PLASTIC QUARTER FENDERS WITHOUT LOGO....	OPT	
		30		
227	599-998	NO AUXILIARY FUEL DRIVEN POWER UNIT.....	OPT	
228	600-998	NO CAB GUARD.....	STD	
229	489-998	NO TIRE PRESSURE CONTROL/SENSOR.....	STD	

FIFTH WHEEL & EQUIPMENT

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230	578-1T7	FONTAINE NO-SLACK II 7000 SERIES 7LWB 12	OPT		
10		.0 INCH AIR SLIDE FIFTH WHEEL WITH CAST TOP PLATE - 2 INCH SLIDE INCREMENTS.....			
231	577-305	FIFTH WHEEL 305MM (12.0 INCHES) AHEAD OF SUSPENSION CENTERLINE.....	OPT		
232	582-007	184MM (7.25 INCH) FIFTH WHEEL HEIGHT....	OPT		
233	A01-99D	REQUESTED MIN UNLADEN 5TH WHEEL HEIGHT		46.5	IN
234	A02-99D	REQUESTED MAX UNLADEN 5TH WHEEL HEIGHT		48.5	IN
235	A03-99D	CALC'D UNLADEN 5TH WHEEL HEIGHT +/-0.5"		46.82	IN
236	570-001	OUTBOARD ANGLE - FIFTH WHEEL MOUNTING...	OPT		
237	890-001	DASH MOUNTED CONTROL AND PLUMBING FOR FIFTH WHEEL.....	STD		
238	579-003	SIDE LEFT FIFTH WHEEL RELEASE.....	OPT		
239	591-008	BRAIDED FIFTH WHEEL GROUND STRAP MOUNTED RIGHT SIDE.....	OPT		

FUEL TANK(S) & EQUIPMENT

240	206-162	150 GALLON/567 LITER ALUMINUM FUEL TANK	OPT		20
20		- RH.....			
241	204-162	150 GALLON/567 LITER ALUMINUM FUEL TANK	OPT		20
20		- LH.....			
242	218-006	25 INCH DIAMETER FUEL TANK(S).....	STD		
243	215-005	PLAIN ALUMINUM/PAINTED STEEL FUEL/HYDRAULIC TANK(S) WITH PAINTED BANDS.....	STD		
244	212-008	FUEL TANK(S) AFT.....	STD		
245	664-001	PLAIN STEP FINISH.....	STD		
246	205-001	FUEL TANK CAP(S).....	STD		
247	122-1F5	DAVCO 482 FUEL/WATER SEPARATOR WITH ESOC AND 12 VOLT PREHEATER.....	OPT		10
248	216-020	EQUIFLO INBOARD FUEL SYSTEM.....	OPT		
249	202-016	HIGH TEMPERATURE REINFORCED NYLON FUEL LINE.....	STD		
250	221-998	NO FUEL COOLER.....	STD		

TIRES

251	093-1R1	CONTINENTAL HSL2 ECO PLUS 11R22.5 16 PLY RADIAL FRONT TIRES.....	OPT	12
252	094-1RB 88	CONTINENTAL HDL2 11R22.5 14 PLY RADIAL R EAR TIRES.....	OPT	
253	095-998	NO PUSHER/TAG TIRES.....	OPT	

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ITEM CODE		SPECIFICATIONS	STATUS	FRONT
REAR				

HUBS

254	418-054	CONMET PRESET PLUS ALUMINUM FRONT HUBS..	OPT
255	450-054	CONMET PRESET PLUS ALUMINUM REAR HUBS...	OPT
256	449-998	NO PUSHER OR TAG HUBS.....	STD

WHEELS

257	502-717	ACCURIDE 50408 ACCU-LITE 22.5X8.25 10-HU B PILOT 6.16 INSET 2-HAND STEEL DISC FRO NT WHEELS.....	STD
258	505-717	ACCURIDE 50408 ACCU-LITE 22.5X8.25 10-HU B PILOT 2-HAND STEEL DISC REAR WHEELS...	STD
259	509-998	NO PUSHER/TAG DISC WHEELS.....	OPT
260	50U-998	NO REAR AXLE WHEEL/HUB COVER.....	OPT
261	496-011	FRONT WHEEL MOUNTING NUTS.....	STD
262	497-011	REAR WHEEL MOUNTING NUTS.....	STD
263	498-059	ALLIGATOR V2B CAPS WITH NYLON WHEEL GUAR DS FRONT AND REAR AT ALL INTERFACES.....	OPT

CAB EXTERIOR

264	829-1AF	125 INCH BBC ALUMINUM CONVENTIONAL CAB..	STD
265	825-002	STANDARD DENSITY COMPOSITE CAB ROOF.....	STD
266	653-004	RH CAB DOOR(S) WITH 70 DEGREE DOOR STOP.	STD
267	651-004	LH CAB DOOR(S) WITH 70 DEGREE DOOR STOP.	STD

268	682-077	72 INCH RAISED ROOF SLEEPERCAB.....	STD	
269	784-074	RAISED ROOF AERODYNAMIC SPOILER.....	OPT	
270	783-019	12 INCH CAB/SLEEPERCAB SIDE EXTENDERS WITH BLACK FLEXIBLE ENDS.....	STD	
271	82A-998	NO CAB ACCENT MOLDING.....	STD	
272	782-998	NO FRAME SIDE FAIRINGS.....	STD	
273	779-998	NO FORWARD CHASSIS FAIRING SUPPORT.....	OPT	
274	704-037	LH AND RH BAGGAGE DOORS.....	OPT	
275	650-008	AIR CAB MOUNTING.....	STD	
276	648-002	NONREMOVABLE BUGSCREEN MOUNTED BEHIND GRILLE.....	STD	
277	695-003	LH AND RH SLEEPER DOORS.....	OPT	20
10				
278	678-003	LH AND RH INTERIOR GRAB HANDLES.....	STD	
279	646-010	CHROME GRILLE WITH INTEGRAL SURROUND....	STD	
280	644-001	AERODYNAMIC HOOD.....	STD	
281	652-001	FREIGHTLINER NAMEPLATES.....	STD	

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DB	WEIGHTS (*)	SPECIFICATIONS	OPTION	STATUS	FRONT
REAR					
282	690-010	ENGINE COMPARTMENT PREMIUM NOISE ABATEMENT AND INSULATION.....	STD		
283	727-1AY	SINGLE AIR HORN UNDER LH DECK.....	STD		
284	726-001	SINGLE ELECTRIC HORN.....	STD		
285	657-1CV	DOOR LOCKS AND IGNITION SWITCH KEYED THE SAME WITH (4) KEYS.....	OPT		
286	575-001	REAR LICENSE PLATE MOUNT END OF FRAME...	STD		
287	312-075	LED LOW BEAM AND HIGH BEAM HEADLIGHTS...	OPT		
288	302-073	VISOR MOUNTED LED MARKER LIGHTS.....	OPT		
289	315-998	NO FOG LIGHTS.....	STD		
290	311-001	DAYTIME RUNNING LIGHTS.....	STD		
291	294-042	FREIGHTLINER LED FLANGE MOUNTED STOP/TAIL/TURN LIGHTS WITH SEPARATE INCANDESCENT BACKUP LIGHTS.....	OPT		
5					
292	300-043	LED SIDE TURN SIGNAL.....	OPT		
293	301-001	REAR TURN SIGNAL LIGHTS INTEGRAL WITH TAIL LIGHTS.....	STD		

294	318-1F6	(1) FLUSH LED UTILITY LIGHT MOUNTED LH B	OPT	
		ACK OF CAB/SLEEPER.....		
295	31J-012	UTILITY LIGHT SWITCH IN DASH.....	OPT	
296	744-1D2	DUAL BLACK HEATED MIRRORS WITH INTEGRAL	OPT	
		CONVEX, LH AND RH REMOTE AND RAIN DEFLEC		
		TORS.....		
297	797-001	DOOR MOUNTED MIRRORS.....	STD	
298	796-001	102 INCH EQUIPMENT WIDTH.....	STD	
299	74A-998	NO AUXILIARY MIRROR.....	STD	
300	74B-1AH	RH AND LH BLACK HOOD/FENDER MOUNTED MIRR	STD	
		ORS.....		
301	729-001	STANDARD SIDE/REAR REFLECTORS.....	STD	
302	73A-002	REAR REFLECTIVE DEVICE.....	STD	
303	677-054	RH AFTERTREATMENT SYSTEM CAB ACCESS WITH	STD	
		PLAIN DIAMOND PLATE COVER.....		
304	776-004	(2) PAINTED SLEEPER VENTS, LH AND RH....	STD	
305	764-016	EXTERIOR SUN VISOR.....	OPT	28
306	661-016	SOLAR TINTED DOOR GLASS LH AND RH WITH T	STD	
		INTED FORWARD SIDE GLASS.....		
307	654-011	RH AND LH ELECTRIC POWERED WINDOWS.....	STD	
308	76Z-007	LH AND RH SOLAR TINTED AND SCREENED CRAN	STD	
		K OUT SLEEPER CAP WINDOWS.....		
309	767-998	NO SIDE WINDOW.....	STD	
310	663-025	2-PIECE SOLAR TINTED CURVED ROPED-IN WIN	STD	
		DSHIELD.....		

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DB		OPTION
WEIGHTS (*)		
ITEM CODE	SPECIFICATIONS	STATUS FRONT
REAR		
311	659-007 8 LITER WINDSHIELD WASHER RESERVOIR, CAB MOUNTED, WITHOUT FLUID LEVEL INDICATOR.	STD
312	647-998 NO WINTERFRONT.....	STD
	CAB INTERIOR	
313	707-1CP GRAY CLOTH INTERIOR.....	OPT
314	706-034 STANDARD LH DOOR TRIM.....	STD
315	708-034 STANDARD RH DOOR TRIM.....	STD
316	772-001 BLACK MATS.....	STD

317	773-018	BLACK MAT IN SLEEPER AREA.....	STD	
318	771-001	BLACK MATS IN BAGGAGE COMPARTMENT.....	STD	
319	785-014	(2) DASH MOUNTED POWER OUTLETS AND COIN TRAY.....	STD	
320	64D-008	TALL CLOSET WITH APPLIANCE SHELF AND STORAGE CABINET.....	OPT	
321	64E-005	MID-LEVEL COOLER CABINET WITH TV SHELF AND STORAGE CABINETS.....	STD	
322	691-017	FORWARD ROOF MOUNTED CONSOLE WITH CENTER LOCKING DOOR.....	STD	
323	693-019	LH AND RH DOOR STORAGE POCKETS INTEGRATED INTO MOLDED DOOR PANELS.....	STD	
324	741-020	STORAGE POCKET(S) MOUNTED INSIDE CABINET DOOR(S).....	STD	
325	826-012	40 INCH WIDE LIFTABLE LOWER BUNK.....	STD	
326	745-001	FOLDABLE UPPER BUNK.....	STD	
327	666-006	BLANKET STYLE UPPER BUNK RESTRAINT, TENT STYLE LOWER BUNK RESTRAINT.....	OPT	
328	738-006	DIGITAL FLUSH MOUNTED ALARM CLOCKS IN DASH AND SLEEPER.....	OPT	
329	742-028	THERMOS HOLDER INBOARD OF DRIVER SEAT...	OPT	
330	680-017	PARCHMENT/SHALE WING DASH.....	STD	
331	720-011	5 LB. FIRE EXTINGUISHER MOUNTED IN LH BAGGAGE COMPARTMENT.....	OPT	10
332	700-014	HEATER, DEFROSTER AND AIR CONDITIONER WITH CONSTANT OUTLET TEMPERATURE CONTROL..	STD	
333	701-002	HVAC DUCTING WITH MAIN FRESH AIR FILTER.	OPT	
334	703-005	MAIN HVAC CONTROLS WITH RECIRCULATION SWITCH.....	OPT	
335	689-003	AUXILIARY HEATER/AIR CONDITIONER WITH CONSTANT OUTLET TEMPERATURE CONTROL.....	STD	
336	170-015	STANDARD HEATER PLUMBING.....	STD	

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DB		OPTION
WEIGHTS (*)		
ITEM CODE	SPECIFICATIONS	STATUS FRONT
REAR		
337	130-033 DENSO HEAVY DUTY AIR CONDITIONER COMPRESSOR.....	STD
338	698-001 RADIATOR MOUNTED AIR CONDITIONER CONDENSER.....	STD

		ER.....		
339	702-002	BINARY CONTROL, R-134A.....	STD	
340	739-033	STANDARD INSULATION.....	STD	
341	285-027	SOLID-STATE CIRCUIT PROTECTION AND FUSES WITH SPARE FUSE KIT.....	OPT	
342	280-007	12V NEGATIVE GROUND ELECTRICAL SYSTEM...	STD	
343	322-030	DOOR AND BUNK ACTIVATED BAGGAGE COMPARTM ENT LIGHTING SYSTEM.....	STD	
344	324-1AN	PREMIUM CAB LIGHTING.....	OPT	
345	325-071	PREMIUM SLEEPER LIGHTING.....	OPT	
346	32C-012	MID DOME LAMP SWITCH IN DASH.....	STD	
347	655-005	LH AND RH ELECTRIC DOOR LOCKS.....	OPT	
348	740-025	QUILTED SPRING MATTRESS IN LOWER BUNK AN	OPT	30
				30
		D SPRING MATTRESS IN UPPER BUNK.....		
349	284-075	(2) 12 VOLT POWER OUTLETS AT BASE OF BUN K.....	OPT	
350	337-012	AC 120 VOLT CAB WIRING AND AC OUTLET, WI TH SHORE POWER AND XANTREX 1500 WATT MOD IFIED SINE WAVE INVERTER/CHARGER SYSTEM.	OPT	50
351	710-001	CAB PRIVACY CURTAIN.....	OPT	5
352	719-998	NO REFRIGERATOR.....	OPT	
353	722-002	TRIANGULAR REFLECTORS WITHOUT FLARES....	OPT	10
354	756-1J6	PREMIUM 2.0 HIGH BACK AIR SUSPENSION DRI VER SEAT WITH 2 AIR LUMBAR, INTEGRATED C USHION EXTENSION, TILT AND ADJUSTABLE SH OCK.....	OPT	
355	760-1J6	PREMIUM 2.0 HIGH BACK AIR SUSPENSION PAS SENGER SEAT WITH 2 AIR LUMBAR, INTEGRATE D CUSHION EXTENSION, TILT AND ADJUSTABLE SHOCK.....	OPT	
356	759-005	DUAL DRIVER AND PASSENGER SEAT ARMRESTS.	OPT	8
357	758-039	MORDURA CLOTH DRIVER SEAT.....	OPT	
358	761-039	MORDURA CLOTH PASSENGER SEAT.....	OPT	
359	763-1AB	3 POINT HIGH VISIBILITY ORANGE ADJUSTABL E D-RING RETRACTOR DRIVER AND FIXED D-RI NG RETRACTOR PASSENGER SEAT BELTS.....	OPT	
360	709-006	SLEEPER CURTAIN.....	STD	
361	532-002	ADJUSTABLE TILT AND TELESCOPING STEERING COLUMN.....	STD	

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DB	WEIGHTS (*)		OPTION	
ITEM	CODE	SPECIFICATIONS	STATUS	FRONT
REAR				
362	540-044	4-SPOKE 18 INCH (450MM) BLACK STEERING WHEEL WITH SWITCHES.....	STD	
363	765-007	DRIVER AND PASSENGER INTERIOR SUN VISORS WITH VANITY MIRRORS.....	OPT	
CONTROLS & INSTRUMENTS				
364	870-001	BLACK GAUGE BEZELS.....	STD	
365	732-035	LAZER BLACK DRIVER INSTRUMENT PANEL.....	STD	
366	486-001	LOW AIR PRESSURE INDICATOR LIGHT AND AUDIBLE ALARM.....	STD	
367	838-998	NO AIR APPLICATION GAUGE.....	STD	
368	840-002	2 INCH PRIMARY AND SECONDARY AIR PRESSURE GAUGES.....	STD	
369	198-025	INTAKE MOUNTED AIR RESTRICTION INDICATOR WITHOUT GRADUATIONS.....	STD	
370	721-998	NO BACKUP ALARM.....	STD	
371	149-015	ELECTRONIC CRUISE CONTROL WITH CONTROLS ON STEERING WHEEL SPOKES.....	STD	
372	156-007	KEY OPERATED IGNITION SWITCH AND INTEGRAL START POSITION; 4 POSITION OFF/RUN/START/ACCESSORY.....	STD	
373	811-041	ICU4ME DRIVER MESSAGE CENTER WITH GRAPHICAL DISPLAY, BLACK FACE GAUGES, DIAGNOSTICS AND DATA LINKED.....	OPT	
374	160-039	(1) HEAVY DUTY ONBOARD DIAGNOSTICS INTERFACE CONNECTOR LOCATED BELOW LH DASH AND (1) SAE J1939 DIAGNOSTIC INTERFACE CONNECTOR LOCATED CENTER OF DASH.....	OPT	
375	844-001	2 INCH ELECTRIC FUEL GAUGE.....	STD	
376	845-013	MPG FUEL TRIP GAUGE, TOTAL AND RATE, AND FUEL FILTER RESTRICTION INDICATOR.....	OPT	2
377	148-085	EMISSIONS LIMITED IDLE ADJUST.....	OPT	
378	856-001	ELECTRICAL ENGINE COOLANT TEMPERATURE GAUGE.....	STD	
379	867-004	ELECTRONIC OUTSIDE TEMPERATURE SENSOR DISPLAY IN DRIVER MESSAGE CENTER.....	STD	
380	830-017	ENGINE AND TRIP HOUR METERS INTEGRAL WITHIN DRIVER DISPLAY.....	STD	
381	736-1AU	DETROIT ASSURANCE COLLISION WARNING, ADAPTIVE CRUISE CONTROL, COLLISION MITIGATION AND ACTIVE BRAKE ASSIST WITH FIXED HEADWAY CONTROL.....	OPT	10

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	ITEM CODE				
	REAR				
	382 49B-003	ROLL STABILITY ADVISOR AND CONTROL.....	OPT		
	383 73B-006	DETROIT ASSURANCE LANE DEPARTURE WARNING SYSTEM WITH 15 MINUTE OFF TIMEOUT.....	OPT		10
	384 852-002	ELECTRIC ENGINE OIL PRESSURE GAUGE.....	STD		
	385 786-998	NO POSITIONING/LOCATING SYSTEM.....	STD		
	386 79H-998	NO GPS ANTENNA.....	STD		
	387 78A-998	NO POSITION/COMMUNICATION ACCESSORY.....	STD		
	388 746-1B3	AM/FM/WB RADIO WITH BLUETOOTH AND MICROPHONE, FRONT USB PORT, FRONT AND REAR AUXILIARY INPUTS AND J1939.....	OPT		10
	389 747-001	DASH MOUNTED RADIO.....	OPT		
	390 750-041	STANDARD SPEAKER SYSTEM.....	OPT		
	391 753-046	AM/FM/WB INTEGRATED AERO-ROOF ANTENNA...	OPT		
	392 748-006	POWER AND GROUND WIRING PROVISION OVERHEAD.....	STD		
	393 749-001	ROOF/OVERHEAD CONSOLE CB RADIO PROVISION	STD		
	394 752-050	INTEGRATED AERO-ROOF CB ANTENNA.....	OPT		
	395 78C-998	NO DIGITAL SATELLITE AUDIO RECEIVER ANTENNA.....	OPT		
	396 737-001	TELEVISION ANTENNA.....	STD		
	397 810-027	ELECTRONIC MPH SPEEDOMETER WITH SECONDARY KPH SCALE, WITHOUT ODOMETER.....	STD		
	398 817-001	STANDARD VEHICLE SPEED SENSOR.....	STD		
	399 812-001	ELECTRONIC 3000 RPM TACHOMETER.....	STD		
	400 813-1B4	VT-HU CONNECTIVITY PLATFORM HARDWARE....	OPT		
	401 81X-998	NO TELEMATICS SERVICE CONTRACT.....	OPT		
	402 81Y-998	NO PRE TRIP SYSTEM TEST.....	OPT		
	403 80K-998	NO SHUTDOWN OVERRIDE.....	OPT		
	404 80L-003	ENABLE DPF REGEN ZONE 1 WITH AUTO ENGINE RPM ELEVATE FOR EXTENDED IDLE.....	OPT		
	405 80M-998	NO ALTERNATE PTO SPEED.....	STD		
	406 80N-998	NO REDUCED ENGINE SPEED ON VSS FAILURE..	STD		
	407 80P-001	PENSKE SPEC FOR ENGINE BRAKE OPERATION - 30 MPH.....	OPT		
	408 80Q-998	NO VEHICLE SPEED LIMIT - GHG.....	OPT		
	409 162-001	IDLE LIMITER, ELECTRONIC ENGINE, PARK BRAKE ACTIVATED.....	OPT		
	410 329-998	NO EXTRA SWITCH IN DASH.....	STD		
	411 264-033	STEERING WHEEL MOUNTED ELECTRIC HORN CONTROL.....	STD		
	412 482-001	BW TRACTOR PROTECTION VALVE.....	STD		
	413 883-001	TRAILER HAND CONTROL BRAKE VALVE.....	STD		

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414	836-015	DIGITAL VOLTAGE DISPLAY INTEGRAL WITH DRIVER DISPLAY.....	STD		
415	660-008	SINGLE ELECTRIC WINDSHIELD WIPER MOTOR WITH DELAY.....	STD		
416	304-030	ROTARY HEADLAMP SWITCH, MARKER LIGHTS/HEADLIGHTS SWITCH WITH PULL OUT FOR OPTIONAL FOG/ROAD LAMPS.....	STD		
417	882-021	TWO VALVE PARKING BRAKE SYSTEM WITH DASH VALVE CONTROL AUTONEUTRAL AND WARNING INDICATOR.....	OPT		
418	299-028	MANUAL TURN SIGNAL SWITCH WITH DIMMER, HEADLAMP FLASH, WASH/WIPE/INTERMITTENT...	STD		
419	298-046	INTEGRAL ELECTRONIC TURN SIGNAL FLASHER WITH 40 AMP (20 AMP PER SIDE) TRAILER LAMP CAPACITY.....	STD		

PAINT

420	065-000	PAINT: ONE SOLID COLOR.....	OPT		
421	980-5F7	CAB COLOR A: L0007EB WHITE ELITE BC.....	OPT		
422	986-020	BLACK, HIGH SOLIDS POLYURETHANE CHASSIS PAINT.....	STD		
423	987-998	NO CHASSIS SIDE FAIRING PAINT.....	OPT		
424	962-972	POWDER WHITE (N0006EA) FRONT WHEELS/RIMS (PKWHT21, TKWHT21, W, TW).....	OPT		
425	966-972	POWDER WHITE (N0006EA) REAR WHEELS/RIMS (PKWHT21, TKWHT21, W, TW).....	OPT		
426	96E-998	NO PUSHER/TAG WHEEL PAINT.....	STD		
427	964-998	NO BUMPER PAINT.....	STD		
428	976-995	SUNVISOR PAINTED SAME AS CAB COLOR A....	OPT		

ADDITIONAL SPECIFICATIONS

429	998-033	CORPORATE PDI CENTER IN-SERVICE AND OPTI	OPT		
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455 PWW-001 PENSKE CY13 PRICE ADJUSTMENT - [REDACTED] OPT
 DO NOT USE.....
 456 WAM-1A7 HD CLIMATE CONTROL SYSTEM EXTENDED WARRA OPT
 NTY, 3 YEARS/350,000 MILES/560 000 KM...
 457 WAC-044 STEERING EXTENDED WARRANTY, 3 YEARS OR 3 OPT
 50,000 MILES/560 000 KM.....
 458 WAD-048 COOLING EXTENDED WARRANTY, 3 YEARS OR 35 OPT
 0,000 MILES/560 000 KM.....
 459 WAF-001 CHARGE AIR COOLER EXTENDED WARRANTY, 3 Y OPT
 EARS/350,000 MILES/560 000 KM.....
 460 WA2-010 ICU EXTENDED WARRANTY, 3 YEARS OR 350,00 OPT
 0 MILES/560 000 KM.....
 461 WBC-001 DRIVER/PASSENGER SEAT EXTENDED WARRANTY, OPT
 3 YEAR/350,000 MILE/560 000 KM.....

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REAR					
462	MWT-001	DETROIT TRANSMISSION COVERAGE, LINEHAUL, 5 YEAR/750,000 MILES/1,200,000 KILOMETERS WITH FIO PTO.....	OPT		
463	MWF-001	DETROIT FRONT AXLE COVERAGE, LINEHAUL, 5 YEAR/750,000 MILES/1 200 000 KILOMETERS	OPT		
464	MWD-002	DETROIT REAR AXLE COVERAGE, LINEHAUL, 5 YEAR/750,000 MILES/1 200 000 KILOMETERS.	OPT		
465	PFA-1AM	DT12 TRANSMISSION DISCOUNT.....	OPT		
466	RCD-900	PRICE CONCESSION - DIRECT.....	OPT		
467	RVR-001	VENDOR RECOVERY - D/N.....	OPT		
468		CSVP 12502 PGM P92-1DE LINE ITEM ADJUST			
469	RCP-007	CA125 72"RR 2012 BASE INCENTIVE.....	OPT		
470	RAF-18P	FLEET MY18 INCREASE**DO NOT USE**.....	OPT		
471	P14-1AD	DRIVER INFORMATION MODULE (ICU4ME) / DETROIT DT12 TRANS - [REDACTED].....	OPT		
472	PMR-210	2010 ENGINE EMISSIONS ESCALATOR.....	OPT		
473	PMT-013	2013 OBD/2010 EPA/CARB/GHG14 ESCALATOR..	OPT		
474	PMU-017	2016 OBD/2010 EPA/CARB/GHG17 ESCALATOR..	OPT		
475	P73-2FT	STANDARD DESTINATION CHARGE.....	OPT		
476	PZ4-001	2016 PENSKE CONTINENTAL TANDEM REAR AXLE DISCOUNT - [REDACTED].....	OPT		

477 PCJ-1AF PENSKE HD RATIO ADJUSTMENT..... OPT
478 RNT-001 NOTES..... OPT
479 PENSKE WILL SELF-ASSESS FET

8,217 TOTAL 10,133

18,350 TOTAL WEIGHT

(*) WEIGHTS SHOWN ARE ESTIMATES ONLY. FOR GUARANTEED
WEIGHTS PLUS OR MINUS 1 1/2%, CONTACT THE FACTORY.

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