



**VEHICLE FACTORS GROUP CHAIRMAN'S Vehicle Attachment**

**– UPS Freightliner #1 Diagnostic and Maintenance Records**

**Mount Pleasant, Pennsylvania**

**HWY20MH002**

(20 pages)



# Vehicle Work Summary for UNITED PARCEL SERVICE INC

**Unit #:** UPS233759  
**My Unit #:** HARPA  
**Mileage:** 554,617

**Unit Type:** TADC TRACTOR SLEEPER  
**Make:** 2018 FREIGHTLINER X12564ST  
**VIN:** 3AKJGLDV8JSJG8209

**RO:** [REDACTED]  
**Date In:** 09/10/2019  
**Date Out:** 09/16/2019

## Repairs Made:

061 ACCIDENT/INCIDENT	DVIR Number	Description	Part#	Quantity
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**Complaint:** PULLS TO RIGHT ALL THE TIME  
**Cause:** STRIKING A GUARD RAIL  
**Correction:** REPLACE / REPAIR ACCIDENT DAMAGE  
**Tech or Vendor:**

**Serviced with Pride by the Penske Team**  
**We Value Your Business - Questions? Please Call (614) 497-6920**

### Penske Tip of the Week

Avoid A/C ice buildup by running your sleeper's bunk fan.

### CHECK-IN FOR SERVICE VISITS FASTER FROM THE COMFORT OF YOUR VEHICLE USING THE PENSKE DRIVER™ APP

Download today from the Apple App Store and Google Play.  
Get started. Your activation code is 8FCWQ3

Use your phone's camera to scan  
PENSKE00



**FRAME & SPRING INC.**

P.O. BOX 28247  
COLUMBUS, OH 43228-0247

Phone: 614-870-2055  
Fax: 614-870-2060

Page 1 of 1

Invoice Number: [REDACTED]  
Invoice Date: 09/13/2019  
Invoice Time: 3:30 pm  
R/O: [REDACTED]  
Customer: [REDACTED]  
Warehouse: FSIInvtry

**Bill To:** PENSKE - OBETZ  
4591 INDUSTRIAL CENTER DRIVE  
COLUMBUS, OH 43207

**Ship To:** PENSKE - OBETZ  
4591 INDUSTRIAL CENTER DRIVE  
COLUMBUS, OH 43207

Phone: 614-497-6920 Fax: Customer P/O:

**Unit Number:** 233759  
554,617 Miles  
**Year:** 2017  
**Manufacturer:** FREIGHTLINER  
**Model:** CASCADIA  
**VIN:** JG8209

**Job: 1 Dept: Spring RR124 R&R Heavy duty front u-bolts**

Supplier/Emp	Part/Labor	Description/Reference	Unit of Measure	Quantity	Price	Extended Price
L	DN5 7/8	7/8" Deep nut	EA	8.00	[REDACTED]	[REDACTED]
L	UB-7/8X20	U-Bolt	EA	4.00	[REDACTED]	[REDACTED]
L	UBW80	7/8" U-bolt washer	EA	8.00	[REDACTED]	[REDACTED]
		Labor Summary		2.00	[REDACTED]	[REDACTED]

**Job: 2 Dept: Alignment RR3536 Total alignment heavy duty**

Supplier/Emp	Part/Labor	Description/Reference	Unit of Measure	Quantity	Price	Extended Price
		Labor Summary		1.00	[REDACTED]	[REDACTED]

Total Parts: [REDACTED]  
 Total Core Charges: [REDACTED]  
 Total Core Returns: [REDACTED]  
 Total Labor: [REDACTED]  
 Total Miscellaneous: [REDACTED]  
 Total Shop Supplies: [REDACTED]  
 Total Environmental Charge: [REDACTED]  
 Invoice Subtotal: [REDACTED]  
 Total Tax: [REDACTED]  
**Invoice Total:** [REDACTED]

Invoice Due Date: 09/23/2019

Sale Type: CHARGE SALE

Alignment issues DO NOT CAUSE a truck to shake.  
TRUCK THAT PULLS IMMEDIATELY IN ONE  
DIRECTION IS A TIRE PULL. NOT ALIGNMENT ISSUE  
\*\*\*\*\*

NO RETURNS OR EXCHANGES ON U-BOLTS

ALL Credit card and Debit card transactions are  
subject to 5% processing fee. NO EXCEPTIONS

SIGNATURE: \_\_\_\_\_ PENSKE000220

# DIAGNOSTIC REPORT

VIN: 3AKJGLDV8JSJG8209  
Model Year: 2018  
Manufacturer: Freightliner

Penske Truck Leasing  
2675 Morgantown Road  
Reading, PA 19603  
610-775-6000  
www.gopenske.com



COMPONENT	FAULT CODES	1 TOTAL / 1 ACTIVE / 0 INACTIVE
<b>Engine - J1939 - CH1</b>	<b>ACTIVE FAULT CODES (0)</b>	
Module Description: DD13	None	
VIN: 3AKJGLDV8JSJG8209		
Make: DTDSC	<b>INACTIVE FAULT CODES (0)</b>	
Serial Number: 471928S0463807	None	
Software Identification: v06.DE		
<b>Brakes - System ECU - J1939 - CH1</b>	<b>ACTIVE FAULT CODES (0)</b>	
Make: MERWB	None	
Model: ABS 4008658190		
Serial Number: 2140031117	<b>INACTIVE FAULT CODES (0)</b>	
Software Identification: 2460030002	None	
<b>Transmission - J1939 - CH1</b>	<b>ACTIVE FAULT CODES (0)</b>	
Make: DTDSC	None	
Model: G230-12		
Serial Number:	<b>INACTIVE FAULT CODES (0)</b>	
	None	
<b>Body ECU - J1939 - CH1</b>	<b>ACTIVE FAULT CODES (0)</b>	
	None	
	<b>INACTIVE FAULT CODES (0)</b>	
	None	
<b>Cab ECU - Primary - J1939 - CH1</b>	<b>ACTIVE FAULT CODES (0)</b>	
	None	
	<b>INACTIVE FAULT CODES (0)</b>	
	None	
<b>Vehicle Dynamic Stability ECU - J1939 - CH1</b>	<b>ACTIVE FAULT CODES (0)</b>	

**DIAGNOSTIC REPORT**

VIN: 3AKJGLDV8JSJG8209  
Model Year: 2018  
Manufacturer: Freightliner

Penske Truck Leasing  
2675 Morgantown Road  
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610-775-6000  
www.gopenske.com



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None

**INACTIVE FAULT CODES (0)**

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None

**Chassis ECU - J1939 - CH1**

**ACTIVE FAULT CODES (0)**

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None

**INACTIVE FAULT CODES (0)**

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None

**Communications Unit, Cellular - J1939 - CH1** **ACTIVE FAULT CODES (0)**

Make: ZONAR

None

Model: DTNA TP, DTNA Telematics

Platform

**INACTIVE FAULT CODES (0)**

Serial Number: 0011756871

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None

Software Identification: 18/32/01

**Cab Climate Control - J1939 - CH1** **ACTIVE FAULT CODES (0)**

Make: FRGHT

None

Model:

Serial Number: FL-P3S-16113011-0064

**INACTIVE FAULT CODES (0)**

Software Identification:

---

None

**Headway ECU - J1939 - CH1** **ACTIVE FAULT CODES (1)**

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Fault Description: Undefined  
FMI Description: Out of CAL  
Occurrence: 1

SPN 523006

FMI: 13

**INACTIVE FAULT CODES (0)**

---

None

**Body ECU - J1939 - CH2** **ACTIVE FAULT CODES (0)**

**DIAGNOSTIC REPORT**

VIN: 3AKJGLDV8JSJG8209  
Model Year: 2018  
Manufacturer: Freightliner

Penske Truck Leasing  
2675 Morgantown Road  
Reading, PA 19603  
610-775-6000  
www.gopenske.com



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None

**INACTIVE FAULT CODES (0)**

---

None

**Chassis ECU - J1939 - CH2**

**ACTIVE FAULT CODES (0)**

---

None

**INACTIVE FAULT CODES (0)**

---

None

**Transmission - J1939 - CH2**

**ACTIVE FAULT CODES (0)**

---

None

**INACTIVE FAULT CODES (0)**

---

None

**Instrument Cluster - J1939 - CH1**

**ACTIVE FAULT CODES (0)**

Make: DTNA

None

Model: ICU4Me-P3

Serial Number:

**INACTIVE FAULT CODES (0)**

Software Identification: 18/24/00

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None

**TRIP DATA**

**Engine - J1939 - CH1**

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Total Engine Hours	10224.95 hr
Total Idle Hours	517.45 hr
Total PTO Time	0.00 hr
Total Fuel Used	74241.3 gal
Total Idle Fuel Used	1220.2 gal
Total Vehicle Distance (HR)	524821 mi
Total Vehicle Distance ECM	524821 mi

**DIAGNOSTIC REPORT**

VIN: 3AKJGLDV8JSJG8209  
Model Year: 2018  
Manufacturer: Freightliner

Penske Truck Leasing  
2675 Morgantown Road  
Reading, PA 19603  
610-775-6000  
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Total Average Fuel Economy	6.854 mpg
Trip Engine Fuel	74241.3 gal
Trip Distance	524821 mi
Trip Average Fuel Economy	7 mpg
Engine Coolant Level	100 %
Max Road Speed Limit	70 mph
Cruise Control High Set Limit Speed	70 mph

**Body ECU - J1939 - CH1**

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Battery Volts	12.70 V
Parking Brake Switch	Set

**Communications Unit, Cellular - J1939 - CH1**

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Battery Volts	12.65 V
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**Cab Climate Control - J1939 - CH1**

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Switched Battery Volts	12.70 V
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**Instrument Cluster - J1939 - CH1**

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Total Vehicle Distance (HR)	524822.15 mi
Battery Volts	12.70 V
Parking Brake Switch	Set

**DIAGNOSTIC REPORT**

VIN: 3AKJGLDV8JSJG8209  
Model Year: 2018  
Manufacturer: Freightliner

Penske Truck Leasing  
2675 Morgantown Road  
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COMPONENT	FAULT CODES	2 TOTAL / 1 ACTIVE / 1 INACTIVE
<b>Engine - J1939 - CH1</b>	<b>ACTIVE FAULT CODES (0)</b>	
Module Description: DD13	None	
Make: DTDSC		
Serial Number: 471928S0463807	<b>INACTIVE FAULT CODES (1)</b>	
Software Identification: v06.DE	Fault Description: CPC Hardware Failure	SPN 609
	FMI Description:	FMI: 12
	Occurrence:	
<b>Brakes - System ECU - J1939 - CH1</b>	<b>ACTIVE FAULT CODES (0)</b>	
Make: WAABS	None	
Software Identification: 2460030002	<b>INACTIVE FAULT CODES (0)</b>	
	None	
<b>Transmission - J1939 - CH1</b>	<b>ACTIVE FAULT CODES (0)</b>	
Make: DTDSC	None	
Model: G230-12		
Serial Number:	<b>INACTIVE FAULT CODES (0)</b>	
	None	
<b>Cab ECU - Primary - J1939 - CH1</b>	<b>ACTIVE FAULT CODES (0)</b>	
	None	
	<b>INACTIVE FAULT CODES (0)</b>	
	None	
<b>Headway ECU - J1939 - CH1</b>	<b>ACTIVE FAULT CODES (1)</b>	
	Fault Description: Undefined	SPN 523006
	FMI Description: Out of CAL	FMI: 13
	Occurrence: 1	
	<b>INACTIVE FAULT CODES (0)</b>	
	None	

Monday, September 16, 2019 8:54 PM

0094-10



**DIAGNOSTIC REPORT**

VIN: 3AKJGLDV8JSJG8209  
Model Year: 2018  
Manufacturer: Freightliner

Penske Truck Leasing  
2675 Morgantown Road  
Reading, PA 19603  
610-775-6000  
www.gopenske.com



**Body ECU - J1939 - CH1**

**ACTIVE FAULT CODES (0)**

None

**INACTIVE FAULT CODES (0)**

None

**Vehicle Dynamic Stability ECU - J1939 - CH1**

**ACTIVE FAULT CODES (0)**

None

**INACTIVE FAULT CODES (0)**

None

**Cab Climate Control - J1939 - CH1**

**ACTIVE FAULT CODES (0)**

Make: FRGHT

None

Model:

Serial Number: FL-P3S-16113011-0064

**INACTIVE FAULT CODES (0)**

Software Identification:

None

**Communications Unit, Cellular - J1939 - CH1**

**ACTIVE FAULT CODES (0)**

Make: ZONAR

None

Model: DTNA TP, DTNA Telematics

Platform

**INACTIVE FAULT CODES (0)**

Serial Number: 0011756871

None

Software Identification: 18/32/01

**Chassis ECU - J1939 - CH1**

**ACTIVE FAULT CODES (0)**

None

**INACTIVE FAULT CODES (0)**

None

**Chassis ECU - J1939 - CH2**

**ACTIVE FAULT CODES (0)**

**DIAGNOSTIC REPORT**

VIN: 3AKJGLDV8JSJG8209  
Model Year: 2018  
Manufacturer: Freightliner

Penske Truck Leasing  
2675 Morgantown Road  
Reading, PA 19603  
610-775-6000  
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None

**INACTIVE FAULT CODES (0)**

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None

**Body ECU - J1939 - CH2**

**ACTIVE FAULT CODES (0)**

---

None

**INACTIVE FAULT CODES (0)**

---

None

**Transmission - J1939 - CH2**

**ACTIVE FAULT CODES (0)**

---

None

**INACTIVE FAULT CODES (0)**

---

None

**Instrument Cluster - J1939 - CH1**

**ACTIVE FAULT CODES (0)**

Make: DTNA

None

Model: ICU4Me-P3

Serial Number:

**INACTIVE FAULT CODES (0)**

Software Identification: 16/24/00

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None

**TRIP DATA**

**Engine - J1939 - CH1**

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Total Engine Hours	10811.70 hr
Total Idle Hours	647.65 hr
Total PTO Time	0.00 hr
Total Fuel Used	78448.2 gal
Total Idle Fuel Used	1315.8 gal
Total Vehicle Distance (HR)	554638 mi
Total Vehicle Distance ECM	554638 mi

## DIAGNOSTIC REPORT

VIN: 3AKJGLDV8JSJG8209  
Model Year: 2018  
Manufacturer: Freightliner

Penske Truck Leasing  
2675 Morgantown Road  
Reading, PA 19603  
610-775-6000  
www.gopenske.com



Total Average Fuel Economy	6.895 mpg
Trip Engine Fuel	78448.2 gal
Trip Distance	554638 mi
Trip Average Fuel Economy	7 mpg
Battery Volts	12.86 V
Engine Coolant Level	100 %
Max Road Speed Limit	70 mph
Cruise Control High Set Limit Speed	70 mph
Engine Speed	0 RPM

### Body ECU - J1939 - CH1

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Battery Volts	12.75 V
Parking Brake Switch	Set

### Cab Climate Control - J1939 - CH1

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Switched Battery Volts	12.70 V
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### Communications Unit, Cellular - J1939 - CH1

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Battery Volts	12.65 V
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### Instrument Cluster - J1939 - CH1

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Total Vehicle Distance (HR)	554639.63 mi
Battery Volts	12.70 V
Parking Brake Switch	Set



**DIAGNOSTIC REPORT**

VIN: 3AKJGLDV8JSJG8209  
Model Year: 2018  
Manufacturer: Freightliner

Penske Truck Leasing  
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Reading, PA 19603  
610-775-6000  
www.gopenske.com



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Fault Description: Undefined	SPN 523006
FMI Description: Out of CAL	FMI: 13
Occurrence: 1	

---

**INACTIVE FAULT CODES (0)**

---

None

**Cab ECU - Primary - J1939 - CH1**

**ACTIVE FAULT CODES (0)**

---

None

**INACTIVE FAULT CODES (0)**

---

None

**Body ECU - J1939 - CH1**

**ACTIVE FAULT CODES (0)**

---

None

**INACTIVE FAULT CODES (0)**

---

None

**Vehicle Dynamic Stability ECU - J1939 - CH1**

**ACTIVE FAULT CODES (0)**

---

None

**INACTIVE FAULT CODES (0)**

---

None

**Communications Unit, Cellular - J1939 - CH1**

**ACTIVE FAULT CODES (0)**

---

Make: ZONAR

None

Model: DTNA TP, DTNA Telematics

Platform

**INACTIVE FAULT CODES (0)**

---

Serial Number: 0011756871

None

Software Identification: 18/32/01

**Cab Climate Control - J1939 - CH1**

**ACTIVE FAULT CODES (0)**

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**DIAGNOSTIC REPORT**

VIN: 3AKJGLDV8JSJG8209  
Model Year: 2018  
Manufacturer: Freightliner

Penske Truck Leasing  
2675 Morgantown Road  
Reading, PA 19603  
610-775-6000  
www.gopenske.com



---

Make: FRGHT None

Model:

Serial Number: FL-P3S-16113011-0064 **INACTIVE FAULT CODES (0)**

Software Identification: None

---

**Chassis ECU - J1939 - CH1** **ACTIVE FAULT CODES (0)**

None

**INACTIVE FAULT CODES (0)**

None

---

**Body ECU - J1939 - CH2** **ACTIVE FAULT CODES (0)**

None

**INACTIVE FAULT CODES (0)**

None

---

**Chassis ECU - J1939 - CH2** **ACTIVE FAULT CODES (0)**

None

**INACTIVE FAULT CODES (0)**

None

---

**Transmission - J1939 - CH2** **ACTIVE FAULT CODES (0)**

None

**INACTIVE FAULT CODES (0)**

None

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**Instrument Cluster - J1939 - CH1** **ACTIVE FAULT CODES (0)**

**DIAGNOSTIC REPORT**

VIN: 3AKJGLDV8JSJG8209  
Model Year: 2018  
Manufacturer: Freightliner

Penske Truck Leasing  
2675 Morgantown Road  
Reading, PA 19603  
610-775-6000  
www.gopenske.com



Make: DTNA None

Model: ICU4Me-P3

Serial Number:

**INACTIVE FAULT CODES (0)**

Software Identification: 16/24/00

None

**TRIP DATA**

**Engine - J1939 - CH1**

Total Engine Hours	11617.50 hr
Total Idle Hours	851.95 hr
Total PTO Time	0.00 hr
Total Fuel Used	84384.9 gal
Total Idle Fuel Used	1450.0 gal
Total Vehicle Distance (HR)	595203 mi
Total Vehicle Distance ECM	595203 mi
Total Average Fuel Economy	6.881 mpg
Trip Engine Fuel	84384.9 gal
Trip Distance	595203 mi
Trip Average Fuel Economy	7 mpg
Battery Volts	12.29 V
Engine Coolant Level	100 %
Max Road Speed Limit	70 mph
Cruise Control High Set Limit Speed	70 mph
Engine Speed	0 RPM

**Body ECU - J1939 - CH1**

Battery Volts	12.30 V
Parking Brake Switch	Set

**Communications Unit, Cellular - J1939 - CH1**

Battery Volts	12.20 V
---------------	---------

**Cab Climate Control - J1939 - CH1**

**DIAGNOSTIC REPORT**

VIN: 3AKJGLDV8JSJG8209  
Model Year: 2018  
Manufacturer: Freightliner

Penske Truck Leasing  
2675 Morgantown Road  
Reading, PA 19603  
610-775-6000  
www.gopenske.com



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Switched Battery Volts	12.30 V
------------------------	---------

**Instrument Cluster - J1939 - CH1**

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Total Vehicle Distance (HR)	595204.79 mi
Battery Volts	12.35 V
Parking Brake Switch	Set





# Repair Order 0445-388560

Unit #: UPS233759  
 My Unit #: HARPA  
 Mileage: 595,203

Unit Type: TADC TRACTOR SLEEPER  
 Make: 2018 FREIGHTLINER X12564ST  
 VIN: 3AKJGLDV8JSJG8209  
 In-Service: 01/27/2017

RO Date: 11/22/2019  
 Repair Loc: 0445-10 HARRISBURG  
 Owning Loc: 0445-10 HARRISBURG

Customer: 66116400 UNITED PARCEL SERVICE INC

019 PREVENTIVE MAINTENANCE		DVIR Number	Description	Part#	Qty/Hrs
Complaint:	SCHEDULED PM		Labor		2.0
Cause:	PREVENTIVE MAINTENANCE				
Correction:	COMPLETE DRY - TRUCK / TRACTOR OPERATIONAL INSPECTION				
Tech or Vendor:	[JOHNW],[SLUSSER]				

043 EXHAUST SYSTEM		DVIR Number	Description	Part#	Qty/Hrs
Complaint:	COMPLETE CMR - CUSTOMER MANUAL REGENERATION, BY REQUEST		Labor		2.1
Cause:	PREVENTIVE MAINTENANCE				
Correction:	COMPLETE CMR - CUSTOMER MANUAL REGENERATION, BY REQUEST				
Notes:	PERFORM A MANUAL REGENERATION: FOLLOW ENGINE OEM GUIDELINES FOR EXHAUST SYSTEM REGENERATION.				
Tech or Vendor:	[JOHNW]				

042 COOLING SYSTEM		DVIR Number	Description	Part#	Qty/Hrs
Complaint:	COMPLETE CS - COOLANT SAMPLE & CHANGE POWER STEERING FLUID IF APPLICABLE		Labor		0.9
Cause:	SCHEDULED MAINTENANCE		PENSKE-C1 COOLANT KIT	ACKT0012461084	1.0
Correction:	COMPLETE CS - COOLANT SAMPLE & CHANGE POWER STEERING FLUID IF APPLICABLE		FILTER,OIL PUMP,STEERING	14-17927-000	1.0
Notes:	COOLANT FREEZE POINT TOO LOW				
Tech or Vendor:	[ANTONIO]				

027 TRANSMISSION - AUTOMATIC		DVIR Number	Description	Part#	Qty/Hrs
Complaint:	SCHEDULED PM		Labor		0.9
Cause:	SCHEDULED MAINTENANCE		O-RING	N007603 042100	1.0
Correction:	COMPLETE DDT - DETROIT DT12 TRANSMISSION FLUID, REPLACE & CLEAN FILTER SCREEN		GASKET,PLUG,CASE FILLER	N007603 024105	2.0
Notes:	DRAIN FLUID; REMOVE TRANS FLUID FILTER SCREEN AND CLEAN; REFILL WITH NEW TRANSMISSION FLUID AND TORQUE FILL PLUG(S) TO SPEC; TEST DRIVE UNIT				
Tech or Vendor:	[JOHNW]				

043 EXHAUST SYSTEM		DVIR Number	Description	Part#	Qty/Hrs
Complaint:	COMPLETE EAD - EXHAUST AFTER TREATMENT DEVICE WIRING HARNESS, INSPECTION		Labor		0.7
Cause:	SCHEDULED MAINTENANCE				
Correction:	COMPLETE EAD - EXHAUST AFTER TREATMENT DEVICE WIRING HARNESS, INSPECTION				
Tech or Vendor:	[JOHNW]				



# Repair Order 0445-388560

Unit #: UPS233759  
My Unit #: HARPA  
Mileage: 595,203

Unit Type: TADC TRACTOR SLEEPER  
Make: 2018 FREIGHTLINER X12564ST  
VIN: 3AKJGLDV8JSJG8209  
In-Service: 01/27/2017

RO Date: 11/22/2019  
Repair Loc: 0445-10 HARRISBURG  
Owning Loc: 0445-10 HARRISBURG

Customer: 66116400 UNITED PARCEL SERVICE INC

045 POWER PLANT		DVIR Number	Description	Part#	Qty/Hrs
Complaint:	SCHEDULED PM		FILTER,OIL,FULL FLOW	LF17511	1.0
Cause:	PREVENTIVE MAINTENANCE		PENSKE-A OIL ANALYSIS KIT	AOKT0059531073	1.0
Correction:	TRUCK / TRACTOR, FLUID CHANGE				
Tech or Vendor:					

045 POWER PLANT		DVIR Number	Description	Part#	Qty/Hrs
Complaint:	CAMPAIGN		Labor		0.5
Cause:	REQUIRED				
Correction:	OTH PI9EI CAMPAIGN - BUL#40-1071 - ENGINE SHUT DOWN PARAMETERS - UPS				
Notes:	PARAMETERS PROGRAMMED AND DDEC REPORT UPLOADED.				
Tech or Vendor:	[JOHNW]				

044 FUEL SYSTEM		DVIR Number	Description	Part#	Qty/Hrs
Complaint:	COMPLETE FMF - FUEL MODULE FILTER (DET ENGINE ONLY), REPLACE		Labor		0.4
Cause:	SCHEDULED MAINTENANCE		KIT- FILTER INSERT	DDE A4700903151	1.0
Correction:	COMPLETE FMF - FUEL MODULE FILTER (DET ENGINE ONLY), REPLACE				
Tech or Vendor:	[ANTONIO]				

037 MODULES/RELAYS - ELECTRICAL		DVIR Number	Description	Part#	Qty/Hrs
Complaint:	MODULES/RELAYS - ELECTRICAL UPDATE MCM AND MCM FUEL MAPS - DETROIT	null	Labor		0.4
Cause:	ECM & ACM FUEL MAPS TO HELP WITH NOX TIMEOUT CODES.				
Correction:	UPDATE MCM AND MCM FUEL MAPS - DETROIT				
Notes:	DETROIT HAS TEST MCM & ACM FUEL MAPS TO HELP WITH NOX TIMEOUT CODES. THIS UNIT REQUIRED THE TEST MAPS. PROGRAMMED THE MCM & ACM, AND PULLED DDEC REPORT. FILES ARE ATTACHED. ANY QUESTIONS, CONTACT DONNY COMP @ [REDACTED]				
Tech or Vendor:	[ANTONIO]				

053 EXPENDABLES		DVIR Number	Description	Part#	Qty/Hrs
Complaint:	FRONT WINDOW GLASS DAMAGE		Labor		0.6
Cause:	CHIPPED				
Correction:	REPAIR WINDSHIELD - USING ( PENSKE SHOP REPAIR KIT )				
Notes:	REPAIR AREA USING PENSKE SHOP REPAIR KIT; CLEAN AND PREP REPAIR SITE; ATTACH GLASS REPAIR TOOL; TREAT AREA WITH UV LIGHT TO CURE.				
Tech or Vendor:	[JOHNW]				



# Repair Order 0445-388560

Unit #: UPS233759  
 My Unit #: HARPA  
 Mileage: 595,203

Unit Type: TADC TRACTOR SLEEPER  
 Make: 2018 FREIGHTLINER X12564ST  
 VIN: 3AKJGLDV8JSJG8209  
 In-Service: 01/27/2017

RO Date: 11/22/2019  
 Repair Loc: 0445-10 HARRISBURG  
 Owning Loc: 0445-10 HARRISBURG

Customer: 66116400 UNITED PARCEL SERVICE INC

032 CRANKING SYSTEM		DVIR Number	Description	Part#	Qty/Hrs
Complaint:	ISSUE OR CONCERN WITH THE ELECTRICAL SYSTEM TEST FOR THE STARTING SYSTEM		Labor		0.5
Cause:	VOLTAGE DROP WHEN DOING STARTER TEST				
Correction:	REPAIR CRANKING SYSTEM WIRING				
Notes:	CLEAN WIRES				
Tech or Vendor:	[JOHNW]				
034 LIGHTING SYSTEM		DVIR Number	Description	Part#	Qty/Hrs
Complaint:	PASSENGER SIDE DOME LIGHT INOP		Labor		0.6
Cause:	BLOWN BULB				
Correction:	REPAIR INTERIOR/DOME LAMP/LIGHT WIRING CAB				
Tech or Vendor:	[ANTONIO]				
045 POWER PLANT		DVIR Number	Description	Part#	Qty/Hrs
Complaint:	OIL PAN LEAKING		Labor		4.5
Cause:	LEAKING		OIL PAN GASKET	DDE A4710140822	1.0
Correction:	REPLACE OIL PAN GASKET		BLACK RTVSILICONE-CAN	7678	1.0
Notes:	DRAIN OIL; REMOVE OIL PAN AND REPLACE GASKET; TORQUE PAN BOLTS TO SPEC; REFILL OIL TO SPEC; RUN; VERIFY OIL LEVEL; CHECK FOR LEAKS; CLEAN AS NEEDED				
Tech or Vendor:	[JOHN C],[JOHNW]				
044 FUEL SYSTEM		DVIR Number	Description	Part#	Qty/Hrs
Complaint:	FUEL LEAK		Labor		0.8
Cause:	LEAK AT 4 OR 5 HIGH PRESSURE LINE		FUEL LINES	1	2.0
Correction:	REPLACE - LINE - FUEL, HIGH PRESSURE				
Tech or Vendor:	[ANTONIO]				
013 BRAKES		DVIR Number	Description	Part#	Qty/Hrs
Complaint:	COOLANT LEAK		Labor		2.8
Cause:	COOLANT LINE FROM OIL FILTER MODULE LEAKING		HOSE,TUBE	DDE A4712007452	1.0
Correction:	REPLACE COOLANT HOSES / LINES FOR AIR COMPRESSOR		ELC - NITRATE-FREE PRE-DI...	ELC5050	4.0
Tech or Vendor:	[ANTONIO]				



# Repair Order 0445-388560

Unit #: UPS233759  
My Unit #: HARPA  
Mileage: 595,203

Unit Type: TADC TRACTOR SLEEPER  
Make: 2018 FREIGHTLINER X12564ST  
VIN: 3AKJGLDV8JSJG8209  
In-Service: 01/27/2017

RO Date: 11/22/2019  
Repair Loc: 0445-10 HARRISBURG  
Owning Loc: 0445-10 HARRISBURG

Customer: 66116400 UNITED PARCEL SERVICE INC

012 FRONT AXLE, SUSPENSION & BEARINGS		DVIR Number	Description	Part#	Qty/Hrs
Complaint:	PASSINGER SIDE STEER WHEEL SEAL FAILED		Labor		4.6
Cause:	WHEEL SEAL LEAKING		SEAL, WHEEL BEARING, AXLE S...	CR35058	1.0
Correction:	REPLACE FRONT AXLE WHEEL SEAL-RIGHT		ADB22X BRAKE PAD KIT	BXK129276	1.0
Notes:	REMOVE HUB ASSEMBLY; CLEAN COMPONENTS; CHECK BEARINGS; REPACK OR REPLACE AS NEEDED; REPLACE SEAL WITH NEW; REASSEMBLE; TORQUE SPINDLE NUTS TO SPEC; FILL RESERVOIR AS NEEDED		SYNTHETIC GEAR OIL 75W90	GEAROIL	3.0
Tech or Vendor:	[JOHNW]				

043 EXHAUST SYSTEM		DVIR Number	Description	Part#	Qty/Hrs
Complaint:	DEF LEAKING FROM DEF INJECTOR		Labor		1.5
Cause:	DEF LEAKING FROM DEF INJECTOR		SEAL	DDE A0001421180	1.0
Correction:	REPAIR / CLEAN - DOSER VALVE NOZZLE - DIESEL EXHAUST FLUID (DEF)				
Notes:	REMOVE SIDE STEP AND COVER REMOVE STEP MOUNT REMOVE DEF INJECTOR CLEAN AND REINSTALL NEW SEAL. REINSTALL STEP MOUNT COVER AND STEPS				
Tech or Vendor:	[JOHNW]				

088 HIKEING		DVIR Number	Description	Part#	Qty/Hrs
Complaint:	HIKE UNIT		Labor		0.8
Cause:	NEEDS DELIVERED TO CUSTOMER				
Correction:	VEHICLE HIKE/HIKING				
Tech or Vendor:	[BRANDON]				