



ACN: 073 690 990 ABN: 47 073 690 990
RTA Number: AU27805

Penske Australia Pty Ltd
196 Viking Drive
Wacol QLD 4076
Phone 07 3877 6060
Fax 07 3877 6092
Web: www.penske.com.au
Office: 8:00am - 5:00pm, Monday to Friday
Parts & Service: 7:30am - 6:00pm, Monday to Friday

Service Tax Invoice		Page 1 of 5		Reprint# 3		Invoice No:	
Invoice Date 16/06/23	Customer Name & Address			Advisor Aidan Plakalo	002624	RO Open Date	
Due Date				Model Description 16/DETROIT DIESEL/DETROIT SERIES DD15 ON			
Payment Terms Cash				Model Code D472907	RO Close Date		
Customer No.				Unit Serial No. 472907S0213875	Repair Order Number		
Reg/Fleet No.	Equipment Make DE	Equipment Serial No 1FVJG7DRXELFU6951	Unit Model DD15	Purchase Order No.	Kilometres / Hours 580279		
Customer Contact	Contact Mobile	Warranty Start Date 01/04/16		Warranty End Date 31/03/21			
Stock Number	Fleet Number						

Labour	Operation	Description	QTYS	Amount
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Job#1	01DED15001001		75.00	13125.00
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REMOVE AND REFIT ENGINE FROM CHASSIS- LABOUR ONLY (NIL ENGINE DISASSEMBLY)

QUOTE PROVIDED

Drain all fluids.
Remove bonnet.
Decommission A/C system and remove components.
Disconnect and remove all air, fuel and coolant lines.
Remove cooling pack from chassis.
Disconnect and remove CAC system
Disconnect starting and charging systems.
Remove engine from chassis with the use of overhead crane.
Setup engine on engine frame.
Spec up new engine.
Install new engine into chassis with the use of overhead crane.
Reconnect all air, fuel and coolant lines.
Refit cooling pack and CAC system.
Refit and recommission A/C system.
Reconnect starting and charging system.
Refill all fluids.
Prime up system, start and check over.
Refit bonnet.
Steam clean, road test and recheck vehicle.
carry out removal of engine and gear box mount bolts left ready to crane out monday
Fit lifting gear to engine block, crane engine out of truck and stand engine safely. Remove clutch and gearbox from engine check flywheel teeth count the same swap all parts from engine too new engine... replace all engine mounts, remove discharge line to be remade replace all filters whilst waiting for incorrect supplied parts..... Customer contacted about clutch wear requested to refit clutch mount gear box and torque, mount clutch. Fit all accessories for drive belts Alternator and AC compressor and fit belts Remove sump and oil pump, crane engine into vehicle... Complete from gearbox forward, mount tail shaft all loom for gearbox, mount PCV pipe, selector, all air lines, gearbox cooler lines, exhaust, compressor discharge (hot pipe) and secure all airlines and loom



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Fit and torque oil pump, clean mating surfaces for sump, mount and torque. Begin routing of engine 20 pin harness fit loom and route mount all fuel lines mount all remaining cooling system hoses to engine, mount bonnet to vehicle and crane radiator into vehicle mount and torque engine fan, replace TX valve and A/C dryer filter route all lines and mount accordingly. with radiator in place mount all heater hoses and both radiator hoses, mount front gear box cooler lines

Check new engine MCM parameters, synch VIN and DPf accumulators from CPC.

Replace old CAC hoses and mount all CAC hoses, replace Air filter isolators and mount air filter housing and mount too turbo , acquire technician with A/C licence to vac and charge a/c system, learn from senior technician exact procedure required with new long engine fitted to vehicle. attempt to mount Power steer reservoir hose rock hard advise leading hand recommended to replace hose remove hose from vehicle and mount new hose fill power steering system, fill cooling system, prime oil system and remove rail sensor bleed fuel system, vehicle batteries flat.... jump start vehicle to start, vehicle run fine issue with charging system rapid voltage changes ranging from 11-14 volts with jump starter removed vehicle eventually died only running on battery voltage @ 7 volts..... test batteries - fail..... inform service adviser, customer contacted and approved new batteries fill parts rec. clean area, vacate premises for the day.

test alternator found negative and positive studs tighten studs charging rate correct, start vehicle build full air pressure found splitter main air feed line leaking bad, replace fitting, double check all lines and looms, correct what required wash truck severely, smoko, set up laptop and road test with justin, check all values on laptop all within spec no faults. re check all work no faults clean finger prints and fit shiny parts under cab (cab skirts)

23512727L	DETROIT PLATINUM PLUS PER LTR	50	266.00
2268425000	O-RING SEAL SLIMLINE AC-1/2 IN	2	47.60
F4HZ3K506C	GASKET-POWER STEERING PUMP	1	12.05
0132731635	BELT-10 RIB 1635MM -DD13	1	63.36
0516836205	HOSE ECR 2 IN ID	1	47.03
0518145000	HOSE-ECR-2.50IN-45 DEG ELBOW	1	60.49
0516836210	HOSE ECR 2.50 INCH ID	1	72.85
0516836204	HOSE ECR 2.50 INCH ID	1	26.66
2312485250	CLAMP-HOSE CONSTANT TORQUE	8	330.16
2268425000	O-RING SEAL SLIMLINE AC-1/2 IN	1	23.80
2268427000	O-RING-SEAL-SLIMLINE-AC-COMP	1	28.60
2313202000	ORING AIR CON	1	8.05
P629641	AIR FILTER, PRIMARY PANEL	1	481.72
2309114004	WASHER-HARDENED .81X1.47X.177	4	11.40
2313833110	NUT-HEX PT 5/8-11 GR C ZN/AL	12	47.40
A0000903651	FUEL PRO 482 FILTER ELEMENT	1	132.43



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2309444375	5/8 -11 X 3.75 GR 8	4	60.80
01823	90 DEG ELBOW	1	18.24
2312891175	SCREW-SCKTHD-12PT-GRD 8	4	29.16
AMS013	GASKET-5 IN SPHERICAL ADHES BK	2	89.54
Q179PTC4M10	45 DEG ELBOW	1	48.14
4304827	ELEMENT-OIL FILTER	1	80.66
CT550	121-143MM CT CLAMP	1	19.53
03-35804-000	FL AIR CLNER MOUNT RUBBER	2	100.62
1964-468	AIR CON O-RING	4	4.64
N000000001103	SEAL RING	1	11.35
23512140	POWERCOOL PREMIX 20 LITRE DRUM	3	367.77
1468X6X6	CONNECTOR-MALE-A/B-NYLON TUBE	1	5.30

<<< Total For Job 1 >>>

15620.35

Job#2	10DEZZZZZZ001	5.00	875.00
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TESTING

ADDITIONAL RECOMENDATIONS

ENGINE OIL
COOLANT
AIR FILTERS
BELTS
CLUTCH AND INSTALL KIT
ENGINE MOUNTS - FRONT AND REAR
BOOST HOSES AND CLAMPS
STARTER MOTOR
ENGINE MOUNTS
GEARBOX MOUNTS
RADIATOR MOUNTS

8201004	STARTER DR39MT 11 TOOTH DD15	1	468.82
A2277123003	RECEIVER DRYER-INBOARD EPA	1	211.66
A4729933396	BELT-FAN DRIVE- 8 RIB- 2700MM-	1	111.01
120043401	MOUNT-LOWER ENGINE DURO 55	1	15.02
144985268930	ISOLATOR - ENGINE HI-HEAT 55	2	77.04
0133963000	ISOLATOR-ASY ENG FRONT UPPER	1	147.87
0133964000	ISOLATOR-ASY ENG FRONT LOWER	1	118.50
0516070000	ISOLATOR-RADIATOR	2	96.46
FRE10200001	HOSE - CHG AIR COOLER 4IDX6.5	1	72.78
0125172000	HOSE-CONVLTD 4IN X 4IN	1	113.69
B92240411FRU	CLAMP-98IN LB-CT-4IN. CONVOLUT	4	64.76
01803158	TIES CABLE NYLON	200	40.00
0890117	BRAKE CLEANER 500ML	3	30.78
X00048305	SEALANT	1	99.53
2309444375	5/8 -11 X 3.75 GR 8	4	60.80
0135313000	INSULATOR ASSY MNT	1	988.11
2309444200	SCREW - CAP HEX 5/8	4	71.12
2309444250	SCREW-CAP 5/8-11X2.50GR8PO.	2	26.80
2309444450	SCREW-CAP HEX 5/8-11 X 4.50 G8	2	31.24
2314068080	BOLT HEX	2	111.56
01-34070-001	ISOLATOR ASSY	1	918.36
2746314	ISOLATOR KIT - LWR RAD 60 DURO	2	102.80
0336187000	ISOLATOR AIR CLEANER RR P3	1	81.64



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<<< Total For Job 2 >>>

4935.35

Job#3	10DEZZZZZZ002	TESTING SUBLET REPAIR ***** REMOVE RADIATOR AND INTERCOOLER - SEND OUT FOR ASSESSING / SERVICING **assessed radiator - found unserviceable - advised needing replacement - ok'd to proceed	0.00	No
	Sublet	SUPPLY NEW RADIATOR		2262.00

<<< Total For Job 3 >>>

2262.00

Job#4	10DEZZZZZZ003	TESTING SUBLET REPAIRS ***** **remove items from engine supply to supplier to manufacture fit up new items to new engine FUEL HOSES AIR COMPRESSOR DISCHARGE LINE	1.00	175.00
	Sublet	manufacture lines /hoses		373.10

<<< Total For Job 4 >>>

548.10

Job#5	03DEZZZZZZ001	INTAKE SYSTEM REPAIR p/steering reservoir	0.00	Internal
	QFLC-A1417941000	RESERVOIR 4 QT POWER	1	Internal
Job#6	18DEZZZZZZ003	AIR CONDITIONER REPAIRS R+R TX VALVE	1.50	262.50
	N83308906	EXPAN VALVE ASS	1	159.23

<<< Total For Job 6 >>>

421.73

Job#7	01DE	Engine REASSEMBLE ENGINE THAT WAS REMOVED FOR CUSTOMER PICK UP	1.50	262.50
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<<< Total For Job 7 >>>

262.50

Job#8	07DEZZZZZZ001	ELECTRICAL SYSTEM REPAIR REPLACE BATTERIES	1.00	175.00
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RDPMF31931		remove and replace all batteries install cover	4	739.32
<<< Total For Job 8 >>>				914.32
Misc: EL	Environmental Levy			20.00
Misc: SSQ	Workshop Supplies pre Quote			0.00
Misc: SS	Workshop Supplies			500.00

Comments

NEW ENGINE SERIAL # - 472907S1200526

		Total Labour	14875.00
		Total Parts	7454.25
		Total POL	0.00
		Total Sublet	2635.10
		Total Misc	520.00
		Total Tax	2548.44
Total Amount Including GST		Total Invoice	28032.79

Penske Australia RTA number

Bank details for payment by EFT NAB George St, Sydney BSB: 082-057 Acc: 173 400 176

This invoice is issued to you under our standard Terms and Conditions of Sale and Service (AU) (available at <https://penske.com.au/compliance-legal/>) which apply to the exclusion of any terms and conditions which you issue. Terms of payment are detailed in that document unless otherwise noted in this invoice.