

FENDT 800VO Tier 4F Maintenance Schedule
Models: Fendt 800 Tier 4F (s/n Prefix 839, 840, 841, 842)

Job Description	Operating Hours					Part Number	Quantity	Unit	Description
	50	500	1000, 3000, 5000, 7000, 9000	1500, 2500, 3500, 4500, 5500, 6500, 7500, 8500, 9500	2000, 4000, 6000, 8000, 10000				
Engine									
Perform Stationary Regeneration		X	X	X	X	-	-	-	Must be done BEFORE changing oil
Drain plug gasket		X	X	X	X	72439876	1	ea.	Gasket, M18x24
Drain plug gasket		X	X	X	X	72439925	1	ea.	Gasket, M24x29
Replace engine oil		X	X	X	X	NOTE A (Important)	16.5	litres.	Engine oil - 10W-40 Fendt Multi-Guard Premium Extra Grade (17.5 qts)
Replace engine oil filter		X	X	X	X	72662762	1	ea.	Oil filter
Replace fuel filter			X		X	72663546	1	ea.	Fuel filter and o-ring upto engine s/n: 12656423
Replace fuel filter			X		X	72666152	1	ea.	Fuel filter and o-ring from engine s/n: 12656986
Drain fuel pre-filter	X	X	X	X	X	-	-	-	As required - see maintenance
Replace fuel pre-filter		X	X	X	X	72609142	1	ea.	Fuel pre-filter
Change the DEF (AdBlue) breather					X	72484191	1	ea.	DEF tank breather
Change the DEF (AdBlue) filter		X	X	X	X	72488703	1	ea.	DEF filter
Check air filter suction lines for leaks	X	X	X	X	X	-	-		
Replace engine air primary filter			X		X	72608874	1	ea.	Primary air filter
Replace engine air secondary			X		X	72437627	1	ea.	Secondary air filter
Check and clean cooling radiators	X	X	X	X	X	-	-	-	As required - see maintenance
Check coolant level	X	X	X	X		79037044C	-	-	See operator manual (NOTE G)
Check cooling system for leaks	X	X	X	X	X	-	-	-	
Replace coolant					X	79037044C	29.5	litres.	50-50% mix of heavy duty diesel organic acid antifreeze/water mix (NOTE G) (31 quarts)
Check engine belts	X	X	X	X	X	-	-	-	See maintenance manual
Check valve clearance		Adjust Valve clearances at 2000, 4000, 6000, 8000, 10000 hour intervals				72477888	0	ea.	Valve cover gasket is reusable. Use tool X899.980.236.056. Intake = 75° & Exhaust = 120°.

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Transmission									
Change transmission and final drive oil					X	NOTE B	122	litres.	AGCO Permatran 821XL Plus Extended Life (129 quarts)
Drain plug (brake)					X	72427121	2	ea.	Drain plug, if replacement required
Drain plug gasket (trans)					X	72315106	1	ea.	Gasket
Drain plug gasket (trans)					X	72376049	0	ea.	Gasket
Replace transmission pressure O-ring - filter	X		X		X	72659255	1	ea.	Filter
Change transmission suction filter	X		X		X	72313495	1	ea.	O-ring
O-ring - suction filter					X	72484789	1	ea.	Filter
Check fluid level in transmission	X	X	X	X	X	-	-	-	See maintenance manual
Front PTO (if equipped)									
Check oil level in front PTO	X		X	X		-	-	-	See maintenance manual
Change oil in front PTO		X			X	NOTE C	3.5	litres.	AGCO Permatran 821XL (3.7 quarts)
Change filter for front PTO		X			X	72317842	1	ea.	Filter
Filter o-ring for front PTO		X			X	72376561	1	ea.	O-ring
Front Axle									
Check oil level in front differential		X		X		-	-	-	See operator manual
Change oil in front differential	X		X		X	NOTE D	9.46	litres.	80W-90 GL-5 gear oil (10 quarts) WITH LS additive (1889891M3)
Drain plug gasket	X		X		X	72315103	2	ea.	Gasket
Check oil level in front axle hubs		X		X		-	-	-	See operator manual
Change oil in front axle hubs	X		X		X	NOTE D	3.6	litres.	80W-90 GL-5 gear oil (1.8 L each side) (3.8 quarts)
Change oil in front axle hubs	X		X		X	NOTE D	4	litres.	80W-90 GL-5 gear oil (2.0 L each side) (4.2 quarts) (with tire pressure system)
Drain plug gasket	X		X		X	72376044	2	ea.	Gasket, M30X38 (Axle # 755/137)
Drain plug gasket	X		X		X	72315103	2	ea.	Gasket, M24X32 (Axle # 755/140)
Check Toe-in	X	X	X	X	X	-	-	-	0 to -2 mm (0 to - 0.080")

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Hydraulic System									
Check the hydraulic oil level	X	X	X	X		-	-	-	See operator manual
Change hydraulic oil					X	NOTE C	101	litres.	AGCO Permatran 821XL (107 quarts)
Drain plug o-ring					X	72313433	1	ea.	O-ring
Change return line filter					X	72611457	1	ea.	Filter
Change vent filter			X		X	72482565	1	ea.	Filter
Change control pressure line filter					X	72452411	1	ea.	Filter
Change control pressure line filter					X	72454666	1	ea.	Filter
Cab									
Change fresh air filter		X	X	X	X	72438336	1	ea.	Filter
Change recirculating air filter		X	X	X	X	72454771	1	ea.	Filter
Clean the condenser	X	X	X	X	X	-	-	-	
Windshield washer reservoir	X	X	X	X	X				refill as needed
Compressed Air System (if equipped)									
Operate tank drain valve	X	X	X	X	X	-	-	-	See maintenance manual - Operate drain valve to drain water.
Compressed air function test	X	X	X	X	X	-	-	-	
Replace air dryer cartridge			X		X	72631214	1	ea.	Drier Cartridge, without Tire Pressure Monitoring
Replace air dryer cartridge			X		X	72631214	2	ea.	Drier Cartridge, with Tire Pressure Monitoring
Electrical System									
Check lighting and signaling	X	X	X	X	X	-	-	-	
Check software version and update if necessary	X	X	X	X	X	-	-	-	
Read out and record diagnostic memory and remedy faults	X	X	X	X	X	-	-	-	

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General									
Tighten wheel hardware to specifications	X	X	X	X	X	-	-	-	
Check for loose hardware and linkages and check for leaks	X	X	X	X	X	-	-	-	
Check tire pressure	X	X	X	X	X	-	-	-	See tire manufacturers
Lubricate all grease points	X	X	X	X	X	79014728	1	ea.	See maintenance manual
Test drive for functions and braking	X	X	X	X	X	-	-	-	
Check brake control	X	X	X	X	X	-	-	-	
Check electro-hydraulic steering	X	X	X	X	X	-	-	-	

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Lubricants and Oils Guide for Fendt Maintenance Schedule

NOTE A: AGCO 10W40. Jug (10L) = n/a
 Pail (18.9L) = 72625950
 Bulk (service in shop) = ACP0566470L

NOTE B: AGCO Permatran 821XL Plus Extended Life: Jug (10L) = n/a
 Pail (18.9L) = 79036577
 Bulk (service in shop) = 79035451L

NOTE C: AGCO Permatran 821XL: Jug (10L) = 79037108
 Pail (18.9L) = 79037109
 Bulk (service in shop) = n/a

NOTE D: AGCO Gearlube 715 (80W-90): Jug (10L) = 79014722
 Pail (18.9L) = n/a
 Bulk (service in shop) = 79014723L

NOTE E: AGCO Gearlube 775 (85W-140): Jug (10L) = 79014724
 Pail (18.9L) = n/a
 Bulk (service in shop) = 79022322L

NOTE F: AGCO Multi Purpose EP-2 Lithium II: 79014728

NOTE G: Only use approved antifreeze when topping up or refilling the FENDT Tier 4i engine coolant system. Part number 79037044C Antifreeze (Fleet Charge©) is an ethylene glycol coolant with a hybrid formula of both conventional (inorganic) corrosion inhibitors and OAT (organic acid technology)

NOTE H: Engine adjustment tools changed. Tool 72497503 with 4mm & 5mm inserts (72485525 only 5mm). (tool 72439253 with revised clearances). SB15-0003 announced tool 72613541.