

FENDT 700 and 800 Tier 3 Maintenance Schedule

Models: Fendt 700 and 800 T3 (Effective of 724-1091, 725-1261, 726-1313, 727, 1342, 729-1256, 731-1954)

Job Description	Operating Hours					Part Number	Quantity	Unit	Description
	50	500	1000, 3000, 5000, 7000, 9000, 11000	1500, 2500, 3500, 4500, 5500, 6500, 7500, 8500, 9500	2000, 4000, 6000, 8000, 10000, 12000				
Engine									
Drain plug gasket	X	X	X	X	X	72439876	1	ea.	Gasket, M18x24
Drain plug gasket	X	X	X	X	X	72439925	1	ea.	Gasket, M24x29
Replace engine oil	X	X	X	X	X	NOTE A	16.5	litres.	Engine oil - 15W-40 API CJ-4 or higher (17.5 qts)
Replace engine oil filter	X	X	X	X	X	72317846	1	ea.	Oil filter
Replace fuel filter			X		X	72436471	1	ea.	Fuel filter and o-ring
Drain fuel pre-filter	X	X		X		-	-	-	As required - see maintenance manual
Replace fuel pre-filter			X		X	72609142	1	ea.	Fuel pre-filter
Check air filter maintenance code	X	X	X	X	X	-	-	-	
Check air filter suction lines for leaks	X	X	X	X	X	-	-	-	
Replace engine air primary filter					X	72311033	1	ea.	Primary air filter
Replace engine air secondary filter					X	72317849	1	ea.	Secondary air filter
Check and clean cooling radiators plus fan	X	X	X	X	X	-	-	-	As required - see maintenance manual
Check coolant level	X	X	X	X		-	-	-	See operator manual
Replace coolant					X	79022730	19	litres.	50-50% mix of heavy duty diesel ethylene glycol/water mix (20 quarts)
Check engine belts	X	X	X	X	X	-	-	-	See maintenance manual
Check valve clearance	Adjust Valve clearances at 50, 1500, 3000, 4500, 6000, 7500, 9000, 10500, 12000, 13500, 15000, 16500, 18000, 19500 hour intervals					72423318	1	ea.	Use tool X899.980.236.000 (65mm) or X899.980.236.010 (85mm). Intake = 160° & Exhaust = 195°.

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Transmission									
Check fluid level for clutch/brake actuation	X	X	X	X	X	-	-	-	See operator manual
Replace fluid level for clutch/brake actuation					X	-	0.3	litres.	Pentosin CHF 11S (0.3 qt)
712, 714, 716 - Change transmission oil					X	NOTE B	43	litres.	AGCO Permatran 821XL Plus Extended Life (45 quarts)
718, 818, 820 - Change transmission oil					X	NOTE B	47	litres.	AGCO Permatran 821XL Plus Extended Life (50 quarts)
Drain plug (brake)					X	72315104	2	ea.	Gasket
Drain plug gasket (trans)					X	72315106	1	ea.	Gasket
Replace transmission pressure filter	X		X		X	72659254	1	ea.	Filter
O-ring - filter	X		X		X	72313495	1	ea.	O-ring
Change transmission suction filter					X	72312070	1	ea.	Filter
O-ring - suction filter					X	72313504	1	ea.	O-ring
Check fluid level in transmission	X	X	X	X	X	-	-	-	See maintenance manual
Check oil level in rear final drives	X		X	X					
712, 714, 716 - Change oil in rear final drives		X			X	NOTE E	20	litres.	85W-140 GL-5 gear oil (bar axles) (10 L each side) (21.2 quarts)
718, 818, 820 - Change oil in rear final drives		X			X	NOTE E	26	litres.	85W-140 GL-5 gear oil (bar axles) (13 L each side) (27.4 quarts)
Drain plug gasket		X			X	72315105	2	ea.	Gasket

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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	8.5	litres.	80W-90 GL-5 gear oil (9 quarts) WITH LS additive (1889891M3)
Drain & Fill 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	4.16	litres.	80W-90 GL-5 gear oil (2.08 L each side) (4.4 quarts)
Drain plug gasket	X		X		X	72376044	2	ea.	Gasket
Check Toe-in	X	X	X	X	X	-	-	-	0 to -2 mm (0 to - 0.080")
Hydraulic System									
Check the hydraulic oil level	X	X		X		-	-	-	See operator manual
Change hydraulic oil			X		X	NOTE C	45.5	litres.	AGCO Permatran 821XL (48 quarts)
Drain plug o-ring			X		X	72313433	1	ea.	O-ring
Change return line filter			X		X	72426561	1	ea.	Filter
Change vent filter			X		X	72453993	1	ea.	Filter
Change control pressure line filter			X		X	72425601	1	ea.	Filter

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Cab									
Change fresh air filter			X		X	72478600	2	ea.	Filter
Change recirculating air filter			X		X	72426606	2	ea.	Filter
Change heater air filter			X		X	72478606	1	ea.	Filter
Check A/C compressor belt	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.
Check antifreeze level	X	X	X	X	X	79019149	0	ea.	Air system antifreeze
Electrical System									
Check lighting and signaling system and all monitoring and warning systems for correct operation	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	-	-	-	
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 recommendations
Lubricate all grease points	X	X	X	X	X	79014728	1		See maintenance manual
Test drive for functions and braking	X	X	X	X	X	-	-	-	

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Lubricants and Oils Guide for Fendt Maintenance Schedule

NOTE A: AGCO 15W40. Jug (10L) = 79036578
 Pail (18.9L) = 79036579
 Bulk (service in shop) = n/a

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) = n/a
 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