

Cylinder Kits

Lycoming new cylinder kits includes the following:

- Cylinder
- Intake and exhaust valves, springs, seats, keys and caps
- Piston
- Rings
- Piston pin and plugs
- Rocker shaft cover gasket (angle head)
- Shroud tube seals, cylinder base seal
- Rocker box cover gasket
- Intake and exhaust gaskets



Part No.	Description	Cylinder Type	Engine Model/Notes
05K21100	Nitrided cylinder kit	Short reach, wide deck (O-320 parallel valve, low compression)	O-320-B2B, -B2C, -B2D, -B3B, -B3C; O-320-D1A, -D1AD, -D1C, -D1D, -D1E, -D2A, -D2B, -D2C, -D2G, -D2J, -D3G; IO-320-B1A, -B1C, -B1D, -B1E, -B2A, -D1A, -D1AD, -D1B, -D1C; AIO-320-A1B, -B1B, -C1B; AEIO-320-D1B, -D2B; LIO-320-B1A
05K21101	Nitrided cylinder kit	Short reach	IO-320-B1A; LIO-320-B1A
05K21102	Nitrided cylinder kit	Short reach	IO-360-B1A, -B1B; HIO-360-B1A; O-540-A1A, -A1A5, -A1B5, -A1C5, -A1D, -A1D5, -A2B, -A3D5, -A4A5, -A4B5, -A4D5, -F1A5, -F1B5; O-540-E1A, -E4A5, -E4B5, -E4C5, -G1A5, -G2A5; IO-540-C1B5, -C1C5, -C2C, -C4B5, -C4C5, -D4A5, -D4B5, -N1A5
05K21103	Nitrided cylinder kit	Short reach	O-360-B2A, -D2A, -D2B; O-540-B1A5, -B1B5, -B2A5, -B2B5, -B2C5, -B4B5
05K21104	Nitrided cylinder kit	Short reach, wide deck (O-360/540 parallel valve, high compression)	O-360-A1A, -A1AD, -A1D, -A1F, -A1F6, -A1F6D, -A1G, -A1G6, -A1G6D, -A1H, -A1H6, -A1J, -A1LD, -A1P, -A2A, -A2D, -A2F, -A2G, -A3A, -A4A, -A3AD, -A4AD, -A4D, -A4G, -A4J, -A4JD, -A4K, -A4M, -A4N, -A4P, -A5AD; O-360-C1A, -C1C, -C1E, -C1F, -C1G, -C2A, -C2C, -C2E, -C4F, -C4P, -F1A6, -G1A6; LO-360-A1G6D, -A1H6; IO-360-B1B, -B1BD, -B1D, -B1E, -B1F, -B1G6, -B2E, -B2F, -B2F6, -B4A, -L2A, -M1A, -M1B; AEIO-360-B1B, -B1F, -B1H, -B1G6, -B2F, -B4A; AEIO-360-H1A, -H1B; HIO-360-B1A, -G1A; HO-360-C1A; O-540-A4D5, -E4A5, -E4B5, -E4B5D, -E4C5, -G1A5, -G1A5D, -G2A5, -H1B5D, -H2B5D; IO-540-C4B5, -C4B5D, -C4D5D, -D4A5, -D4B5, -D4C5, -N1A5, -N1A5D, -T4A5D, -T4B5, -T4B5D, -T4C5D, -V4A5, -V4A5D; AEIO-540-D4A5, -D4B5, -D4D5
05K21106	Plain cylinder kit	Short reach	No longer available — service with 05K21103
05K21107	Nitrided cylinder kit	Long reach, wide deck	TIO-540-C1A, -C1AD — service with 05K21128
05K21108	Nitrided cylinder kit	Long reach, wide deck	TIO-540-A2B, -A2C, -S1AD; TIO, LTIO-540-F2BD; TIO, LTIO-540-J2B, -J2BD, -N2BD, -R2AD
05K21109	Nitrided cylinder kit	Long reach, narrow deck	TIO-540-A1A, -A1B, -A2A, -A2B, -A2C
05K21110	Nitrided cylinder kit	Short reach, 3-ring piston	IO-540-B1A5, -B1C5, -E1A5, -E1B5; IO-720-B1B, -C1B
05K21111	Nitrided cylinder kit	Short reach, 4-ring piston	IO-540-B1A5, -B1C5, -E1A5, -E1B5; Service with 05K21110 in complete engine sets
05K21112	Nitrided cylinder kit	Short reach, 3-ring piston	IO-540-A1A5, -G1A5, -G1B5, -G1C5, -G1D5, -G1E5, -K1A5, -K1B5, -K1D5, -K1F5, -L1A5; HIO-540-A1A; IO-360-A1A; IO-720-A1A, -A1B, -D1B
05K21113	Nitrided cylinder kit	Short reach, 4-ring piston	IO-540-A1A5, -G1A5, -G1B5, -G1C5, -G1D5, -G1E5, -K1A5, -K1B5, -K1D5, -K1F5, -L1A5; HIO-540-A1A; IO-720-A1A, -D1B; Service with 05K21112 in complete engine sets
05K21114	Nitrided cylinder kit	Short reach	O-235-K2A, -K2B, -K2C, -L2A, -L2C; O-235-M1, -M2; Service with 05K23037
05K21116	Nitrided cylinder kit	Long reach	TIO-541-E1A4, -E1B4, -E1C4, -E1D4; TIGO-541-E1A

See Service Instruction 1154K reprinted in this section for more information on Lycoming cylinder kits

