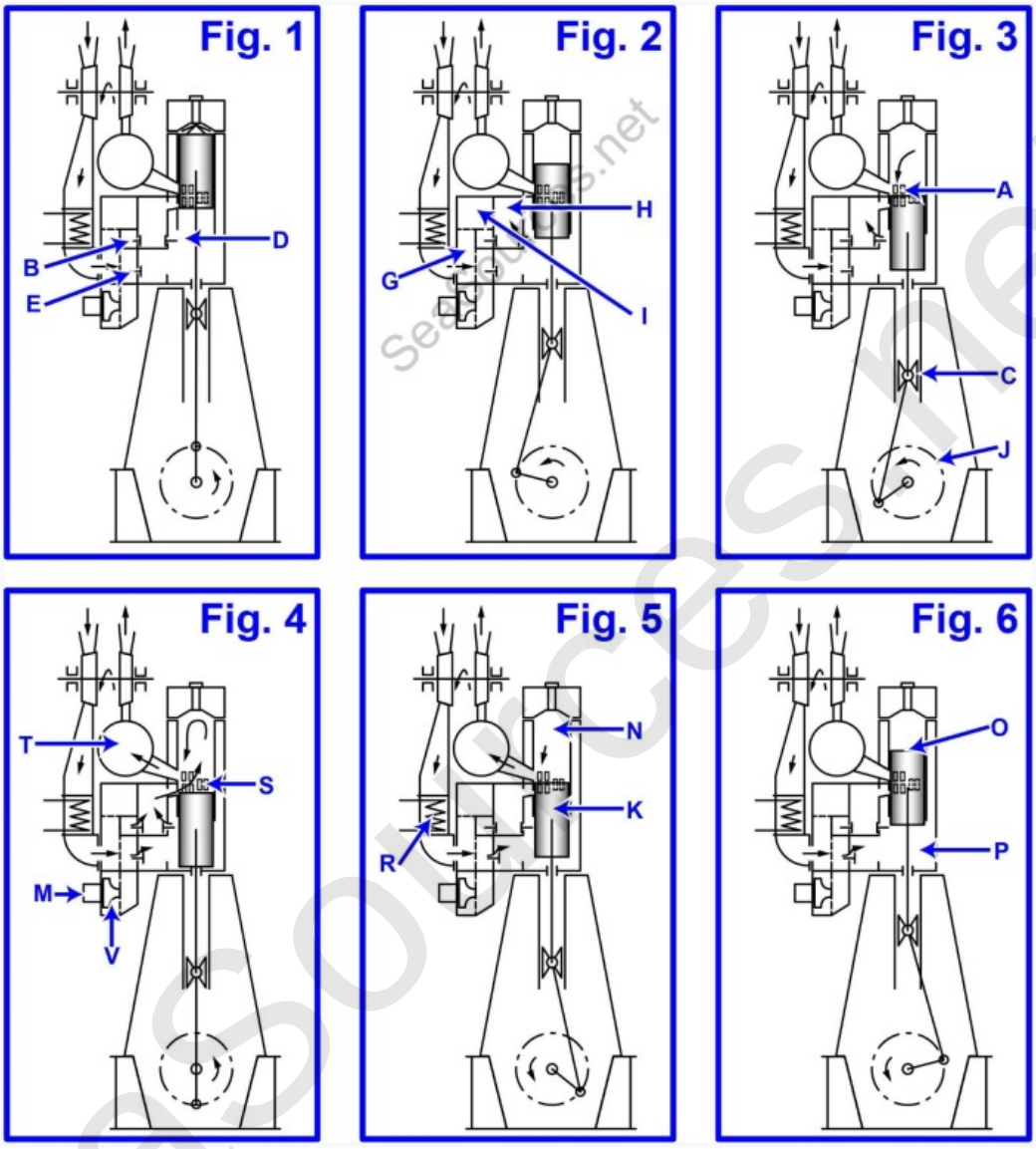
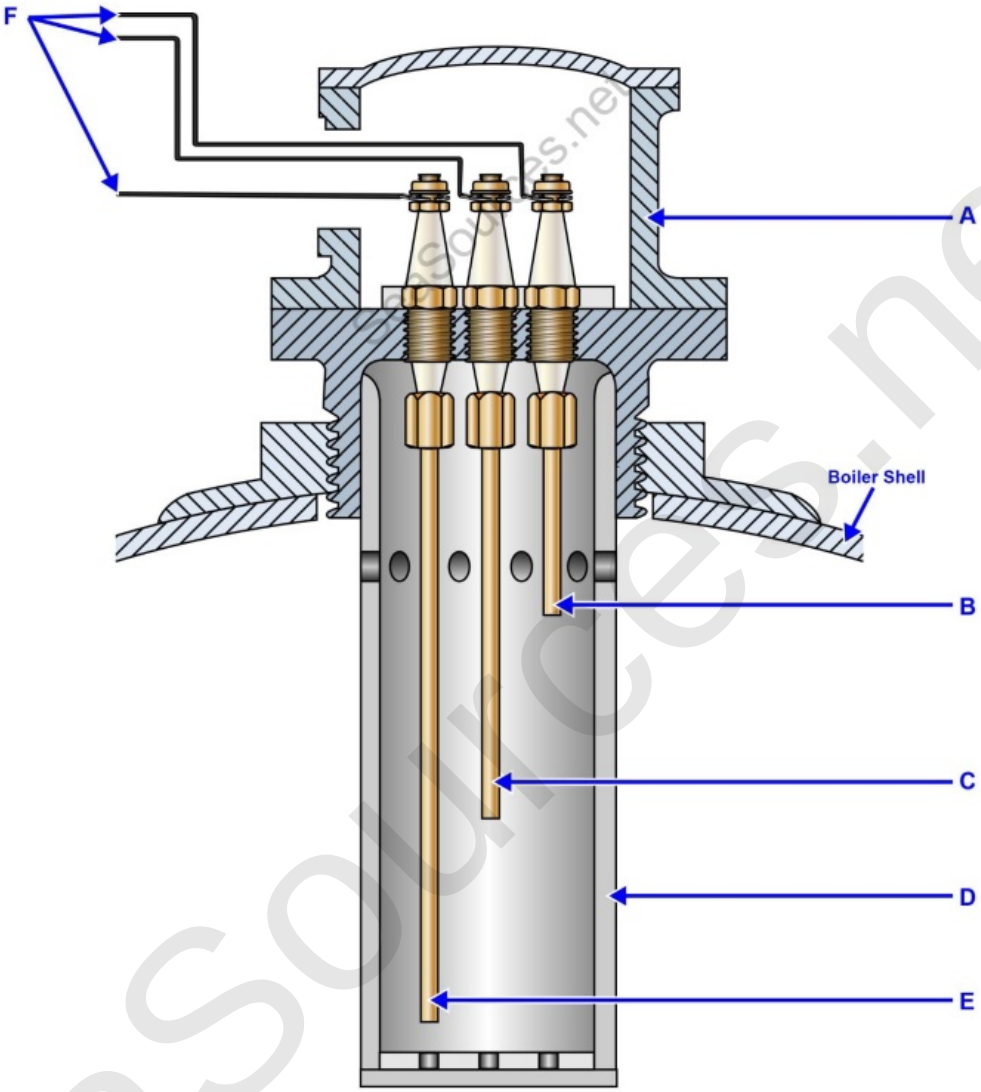
MO-0025



mo0025_wm_131419

MO-0047



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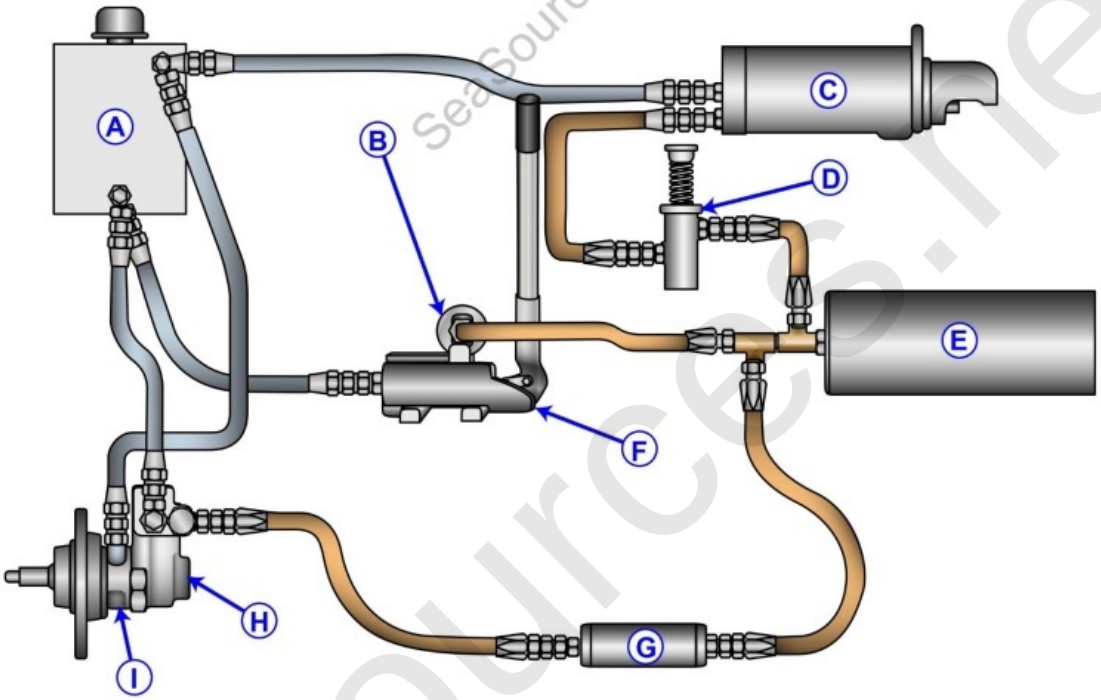
MO-0049



mo0049_wm_101818

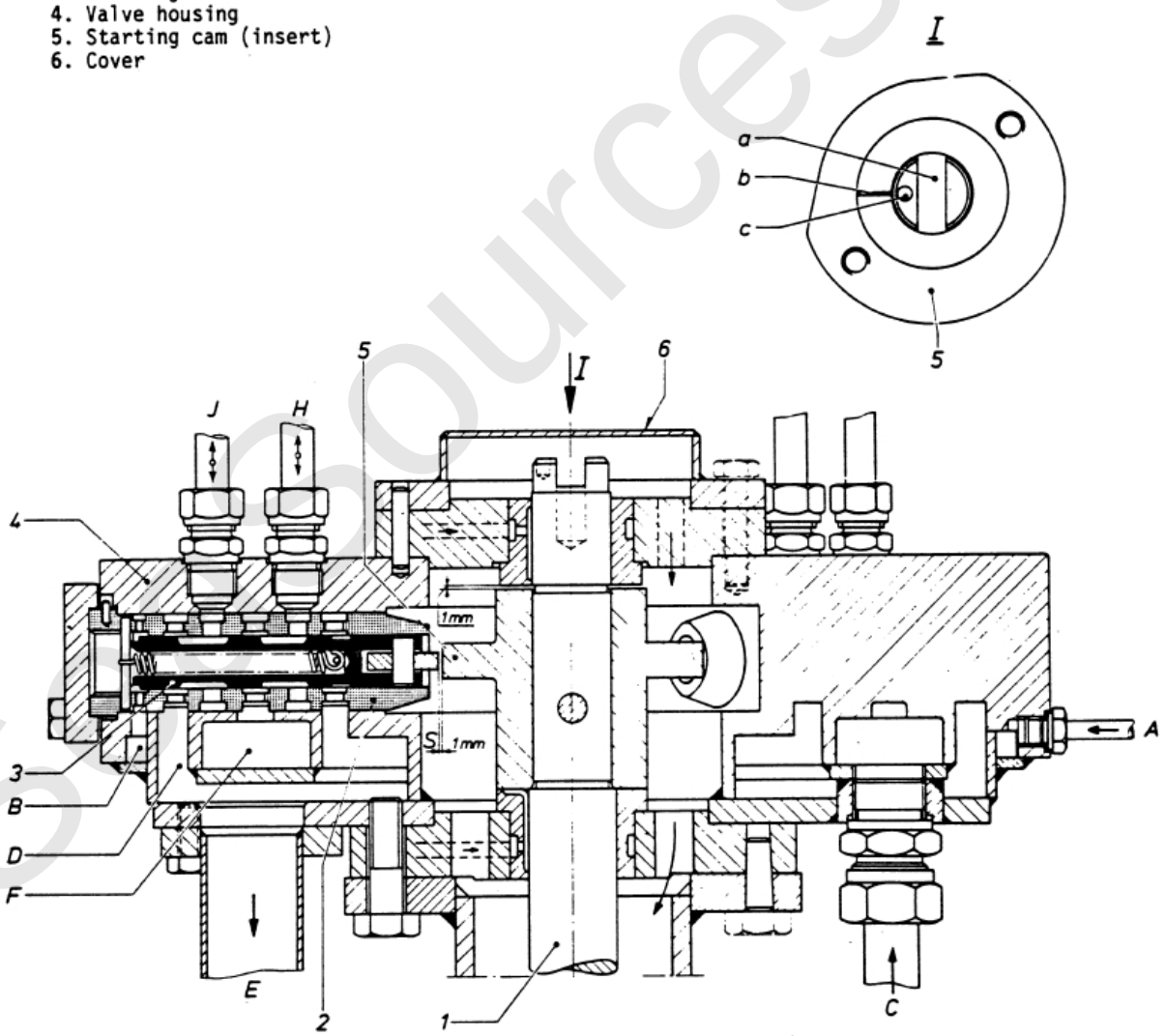
MO-0053

STARTING CONTROL AIR DISTRIBUTOR

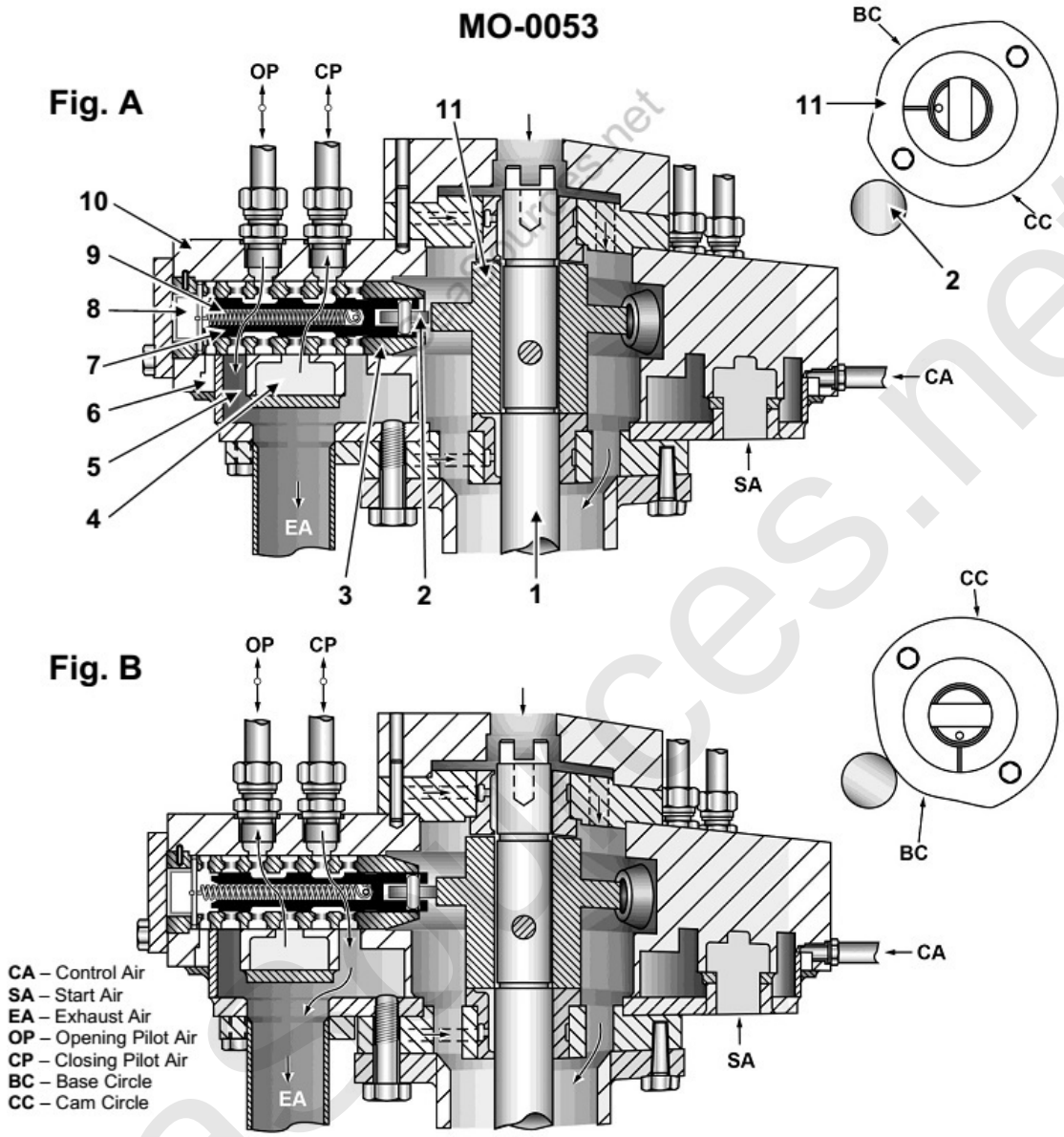
A. Control air pipe
B. Annular space
C. Air inlet
D. Discharge space
E. Discharge line
F. Distribution space
H. Closing pipe to starting air valve
J. Opening pipe to starting air valve

1. Upper shaft of vertical drive
2. Bush for starting control valve
3. Starting control valve
4. Valve housing
5. Starting cam (insert)
6. Cover

NOTES: The illustrated "starting control air distributor" is sectioned to show the operation of one starting control valve (3) of which there are several. These valves are arranged radially in a common plane and operated by a common starting cam (5). The air inlet (C), discharge line (E), and control air pipe (A), are common to the entire bank of starting control valves (3).

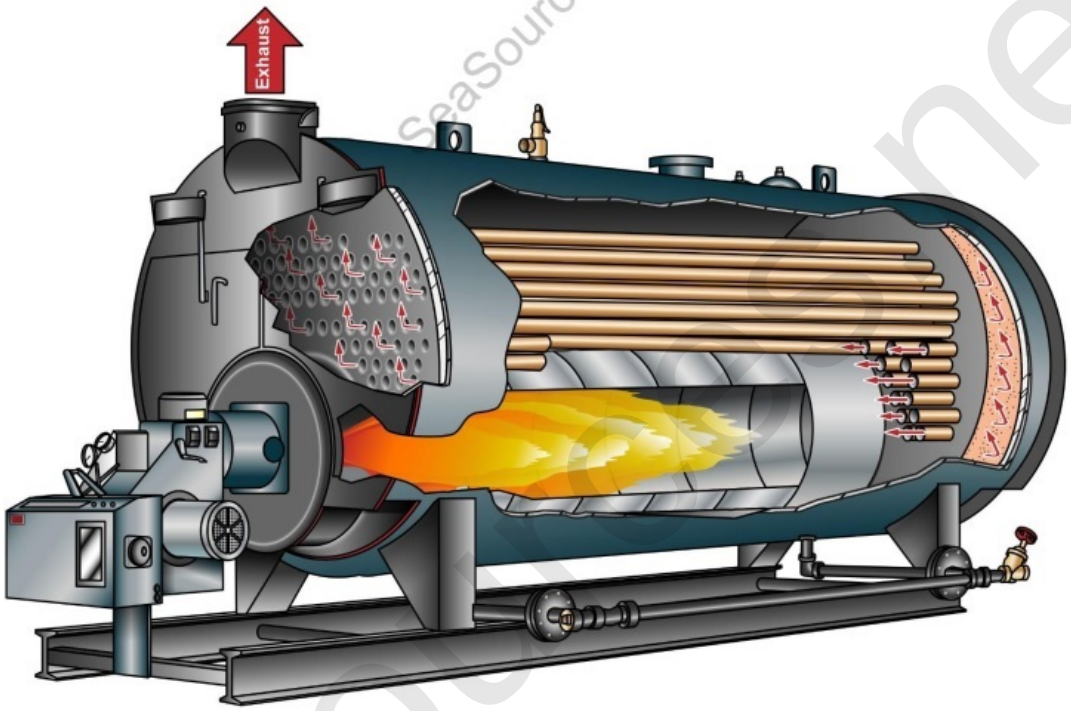


3-41



mo0053_ao_040115wm

MO-0064



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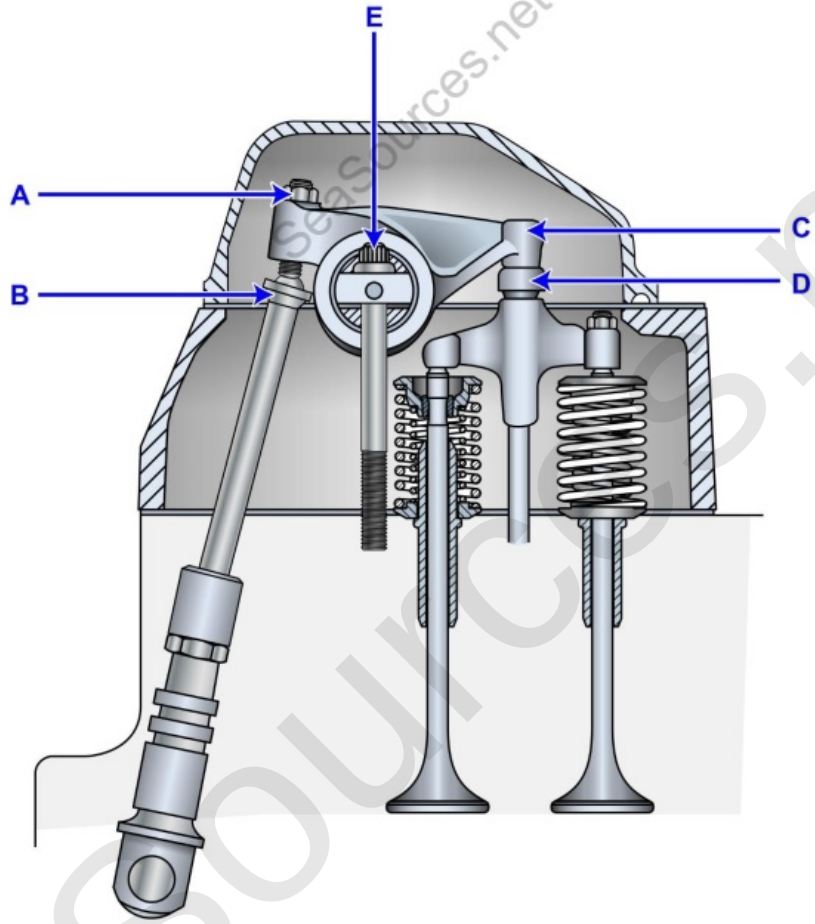
MO-0074



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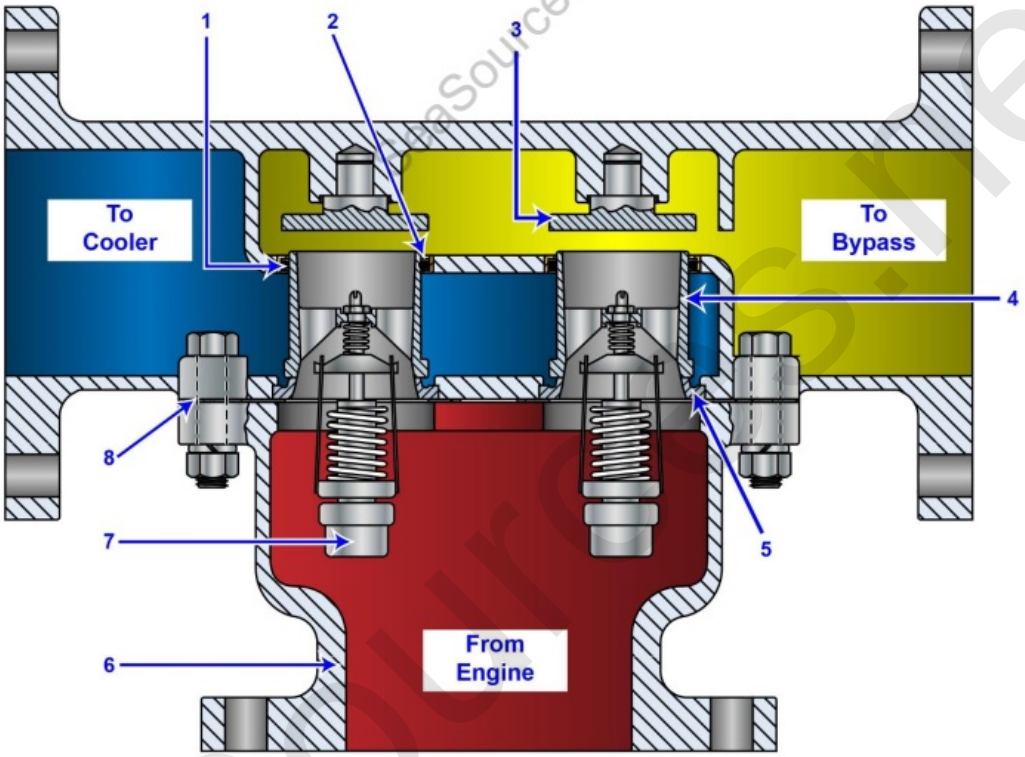
MO-0079



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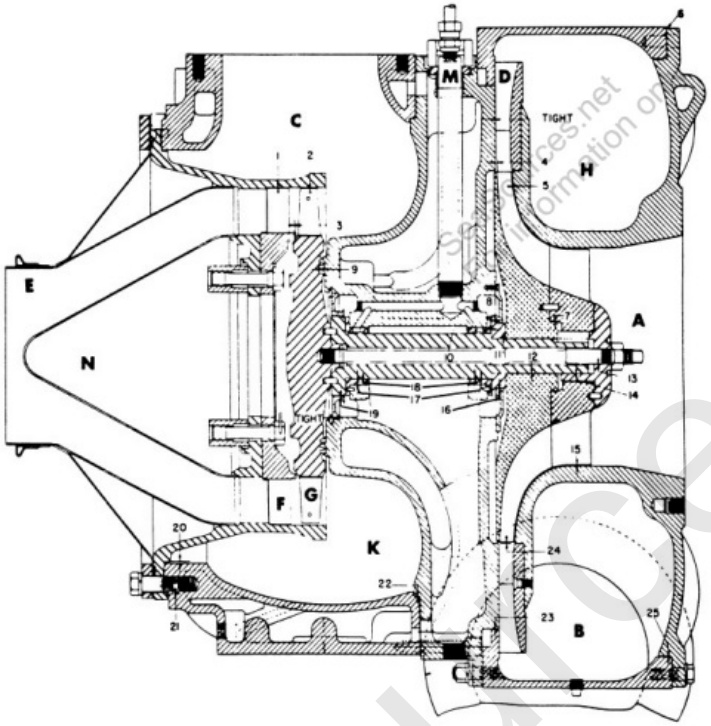
MO-0080

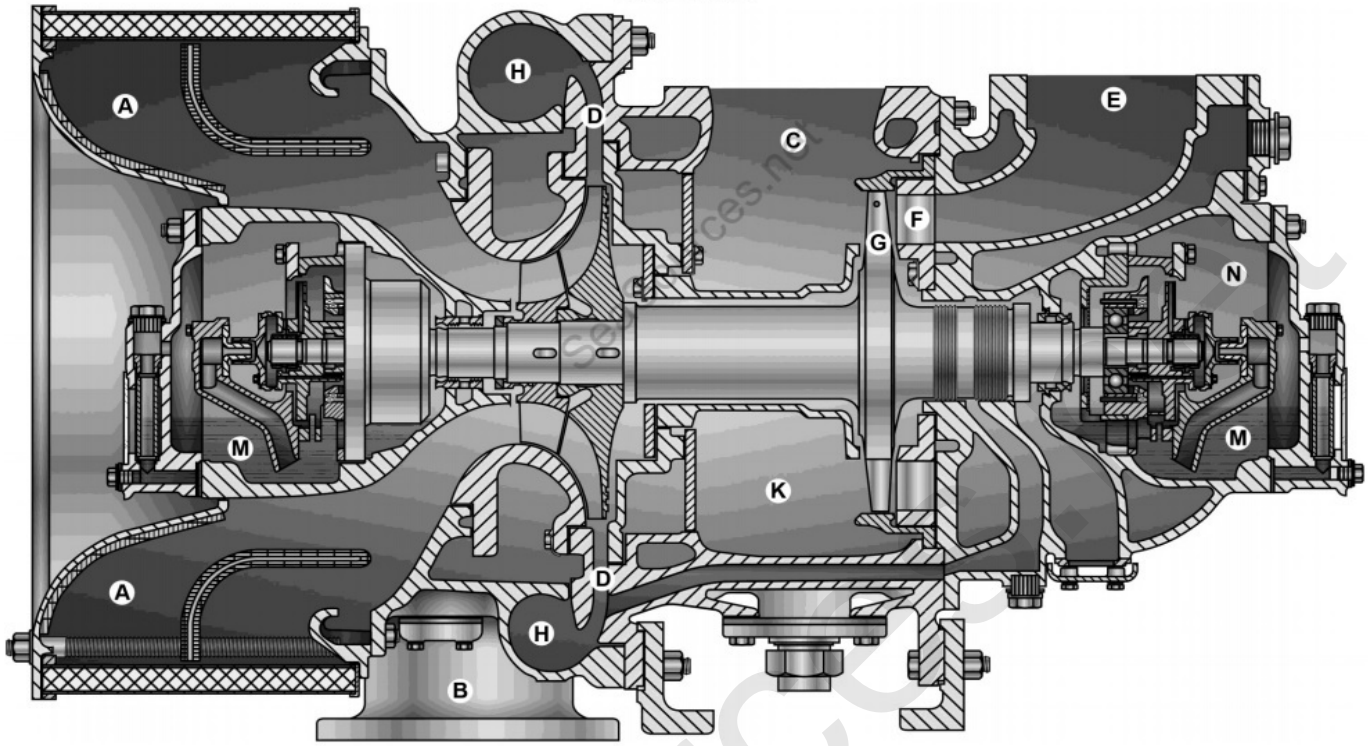


Notes

A = Air intake
B = Air outlet
C = Exhaust outlet
D = Diffuser ring
E = Exhaust gas inlet
F = Fixed blades
G = Turbine blades
H = Compressor "Volute"
K = Exhaust "Volute"
M = Oil supply to shaft
N = Turbine deflator cone

mo0080b_wm

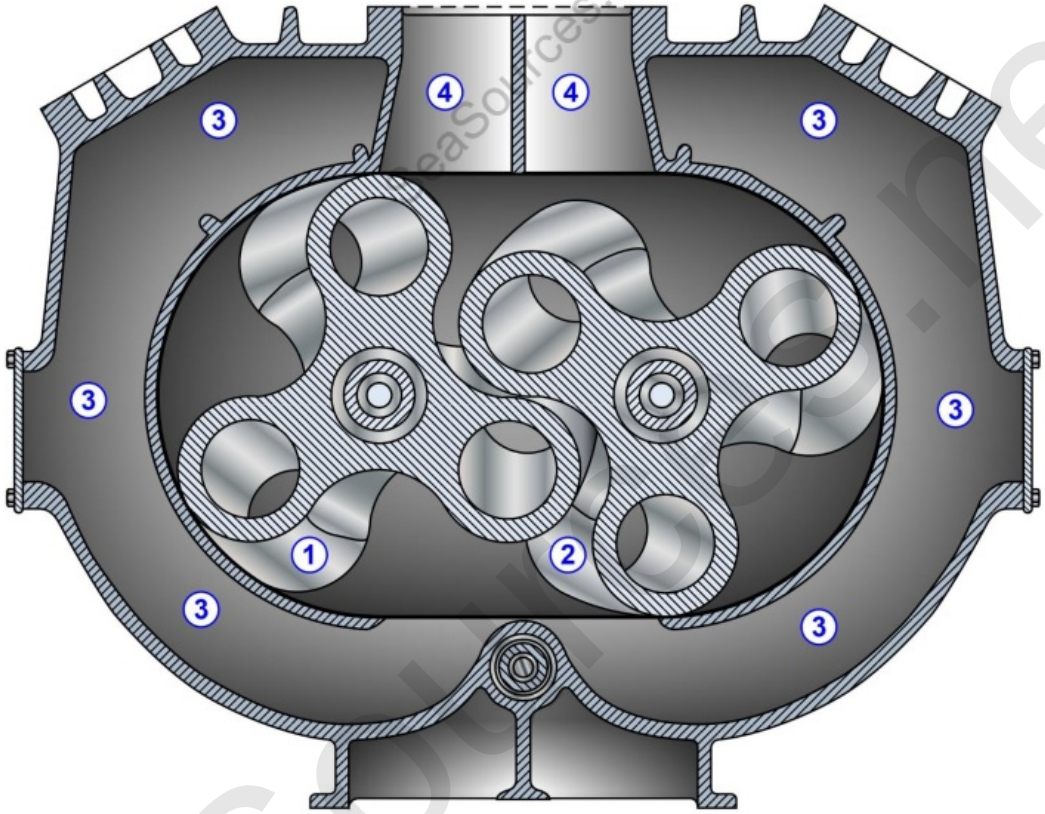
MO-0080



7/14/2016

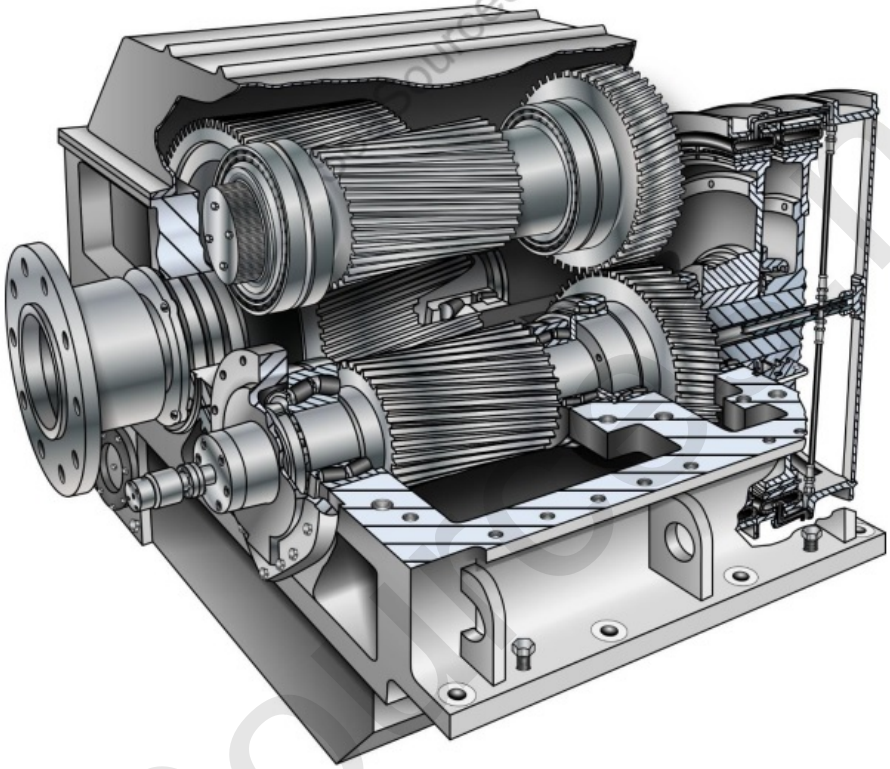
mo0080_wm_071416

MO-0082



mo0082_wm_101918

MO-0085



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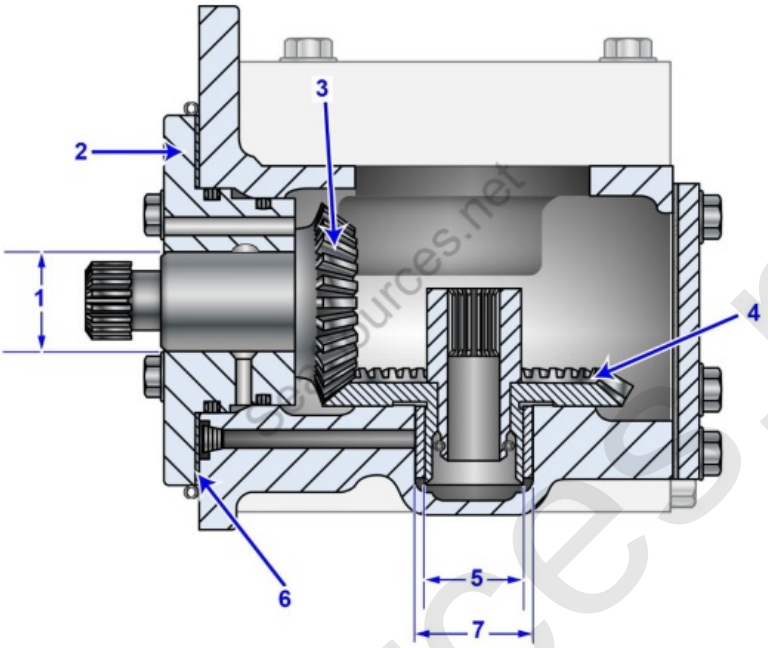
MO-0091



7N1889 & 8N9662 Drive Groups Used With UG8-L Woodward Governors
1W2135 Drive Group Used With Caterpillar 3161 Governors

1. Diameter of bore in adapter (2)..... 34.072 ± 0.025 mm (1.3414 ± .0010 in.)
   Diameter of shaft on governor drive pinion (3) ..... 34.000 ± 0.013 mm (1.3386 ± .0005 in.)
2. Adaptor
3. Governor drive pinion
4. Bevel gear
5. Diameter of shaft on bevel gear (4) ..... 34.000 ± 0.013 mm (1.3386 ± .0005 in.)
   Diameter of bore in bearing after assembly in drive housing ... 34.072 ± 0.039 mm (1.3414 ± .0015 in.)
6. Shims. Use as required to get a gear clearance (backlash)
   between pinion (3) and gear (4) of..... 0.100 + 0.050 or -0.025 mm (.0039 = 0.020 or -.0010 in.)
7. Diameter of bore in drive housing..... 40.432 ± 0.025 mm (1.5918 ± .0010 in.)
   Diameter of bearing ..... 40.545 ± 0.013 mm (1.5963 ± .0005 in.)

mo0091_wm_101918