



**TUTHILL**  
Energy Systems

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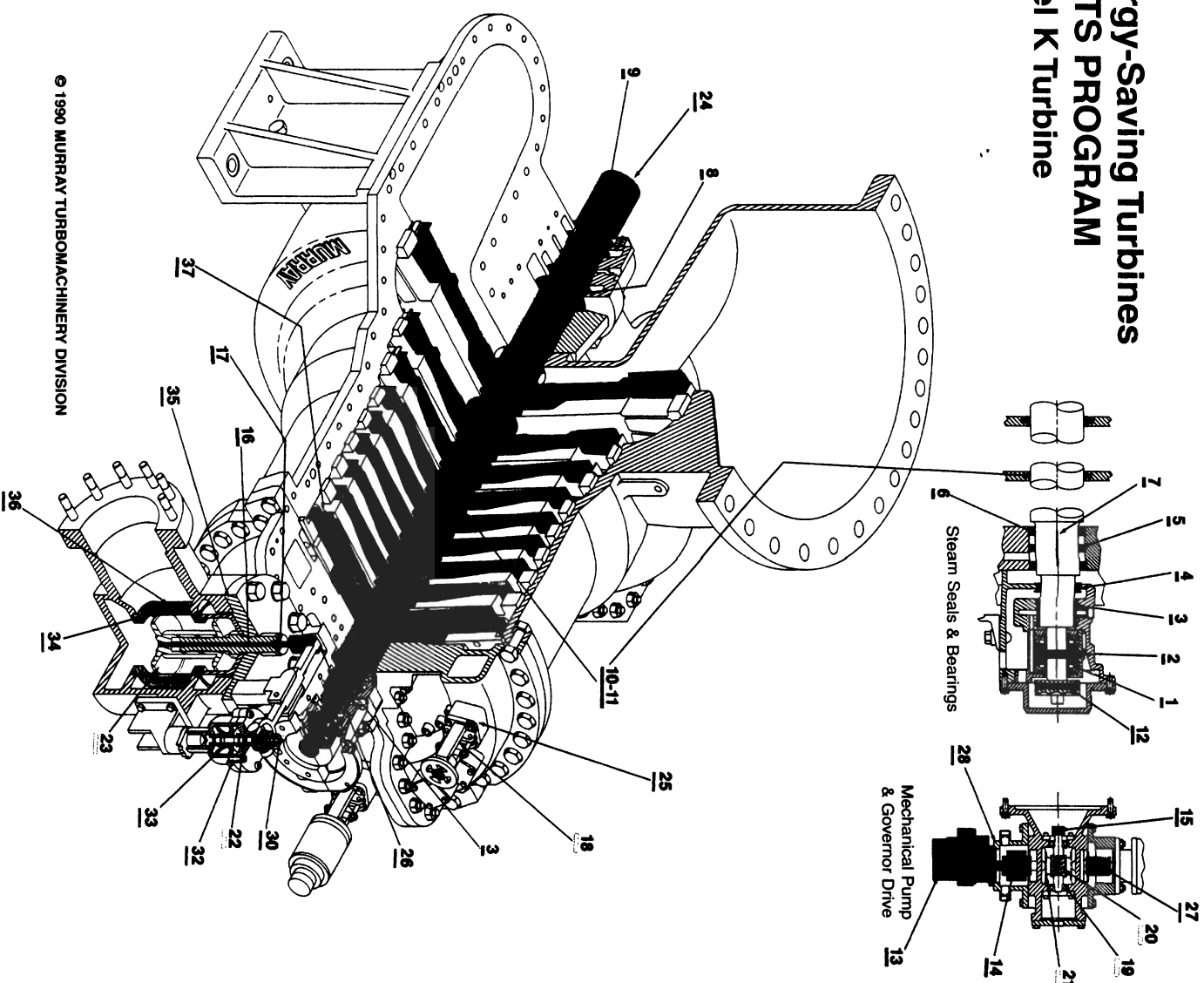
# MURRAY Energy-Saving Turbines VIP PARTS PROGRAM Model K Turbine

## VITAL PARTS

<b>THRUST BEARING HOUSING ASSEMBLY</b>	1
Thrust Shoes	2
Thrust Collar	3
<b>GLAND SEALS AND BEARING ASSEMBLY</b>	4
Steam Journal Bearing	4
Steam End Oil Retaining Ring	5
End Gland Seal	6
End Gland Spring	7
End Gland Stop Pin	8
Exhaust End Oil Retaining Rings	9
Exhaust Journal Bearing	9
<b>INTERSTAGE SEALS ASSEMBLY</b>	10
Gland Seal, Pin & Spring	10
Gland Seal Stop	11
<b>OVERSPEED GOVERNOR ASSEMBLY</b>	12
Overspeed Governor	12
<b>MAIN OIL PUMP ASSEMBLY</b>	13
Main Oil Pump	13
Main Oil Pump Coupling & Keys	14
<b>AUXILIARY DRIVE GEAR ASSEMBLY</b>	15
Auxiliary Drive Gear Coupling	15
<b>GOVERNOR VALVE CHEST ASSEMBLY</b>	16
Governor Valve Stem	16
Governor Valve Stem Packing	17
<b>HAND VALVE ASSEMBLY</b>	18
Hand Valve Packing	18
<b>AUXILIARY DRIVE GEAR ASSEMBLY</b>	19
Worm Gear Bearings & Shim Set	19
Worm Shaft & Gear Set	20
Worm Shaft Bearings	21
<b>POWER CYLINDER ASSEMBLY</b>	22
Pilot Valve, Stem & Seal Ring	22
<b>GOVERNOR VALVE CHEST ASSEMBLY</b>	23
Governor Valve	23

## PREVENTATIVE PARTS

<b>TURBINE ROTOR ASSEMBLY</b>	24
Turbine Rotor	24
<b>HAND VALVE ASSEMBLY</b>	25
Hand Valve Gasket	25
<b>GOVERNOR LINKAGE ASSEMBLY</b>	26
Governor Linkage Spares	26
<b>WOODWARD GOVERNOR ASSEMBLY</b>	27
Governor Drive Sleeve & Pin	27
<b>MAIN OIL PUMP ASSEMBLY</b>	28
Main Oil Pump Gasket	28
<b>OVERSPEED TRIP LINKAGE (NOT SHOWN)</b>	29
Overspeed Trip Linkage Spares	29
<b>POWER CYLINDER ASSEMBLY</b>	30
Power Cylinder Boot	30
Power Cylinder "O" Ring (not shown)	31
Power Cylinder Gasket	32
Piston Ring Set	33
<b>GOVERNOR VALVE CHEST ASSEMBLY</b>	34
Governor Valve Seats	34
(Upper & Lower)	34
Valve Chest Gasket	35
Strainer Screen	36
<b>STATIONARY SEGMENT ASSEMBLY</b>	37
Stationary Segment	37
(if applicable)	37



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