Lull®

# Illustrated Parts Manual

# Model 422

**10709897**

**S/N 102 to 186**

October 1980 - December 1982

ANSI

JLG

MidWestTech | Lull 422 Telehandler Parts Manual | Publication 10709897 Order the manual at mid-west-tech.com >

# INDEX OF PARTS


| ASSEMBLY | PAGE |
|---|---|
| Cylinder Head & Rockershaft | 1, 2, 3 |
| Cylinder Block | 4, 5 |
| Rings, Pistons, Connecting Rods & Bearing | 6, 7 |
| Camshaft & Timing Gears | 8, 9 |
| Crankshaft & Main Bearing | 10, 11 |
| Oil Pan, Pump & Filter | 12, 13 |
| Water Pump & Outlet | 14, 15 |
| Fuel Injection Lines | 16, 17 |
| Fuel Pump & Filter | 18, 19 |
| Transmission Case & Control Valve | 20, 21 |
| Gear Shift | 22, 23 |
| Gear Group | 24, 25 |
| Shaft & Clutch Group | 26, 27 |
| Torque Converter | 28, 29 |
| Differential Housing | 30, 31 |
| Differential, Internal | 32, 33 |
| Front Axle | 34, 35 |
| Disc Brakes | 36, 37 |
| Differential Lock | 38, 39 |
| Parts Not Illustrated | 40 |
| * Torque Converter | 41 |


* For S/N 169, 171-173, 175-177, 181, 182, 184 & 186 ONLY

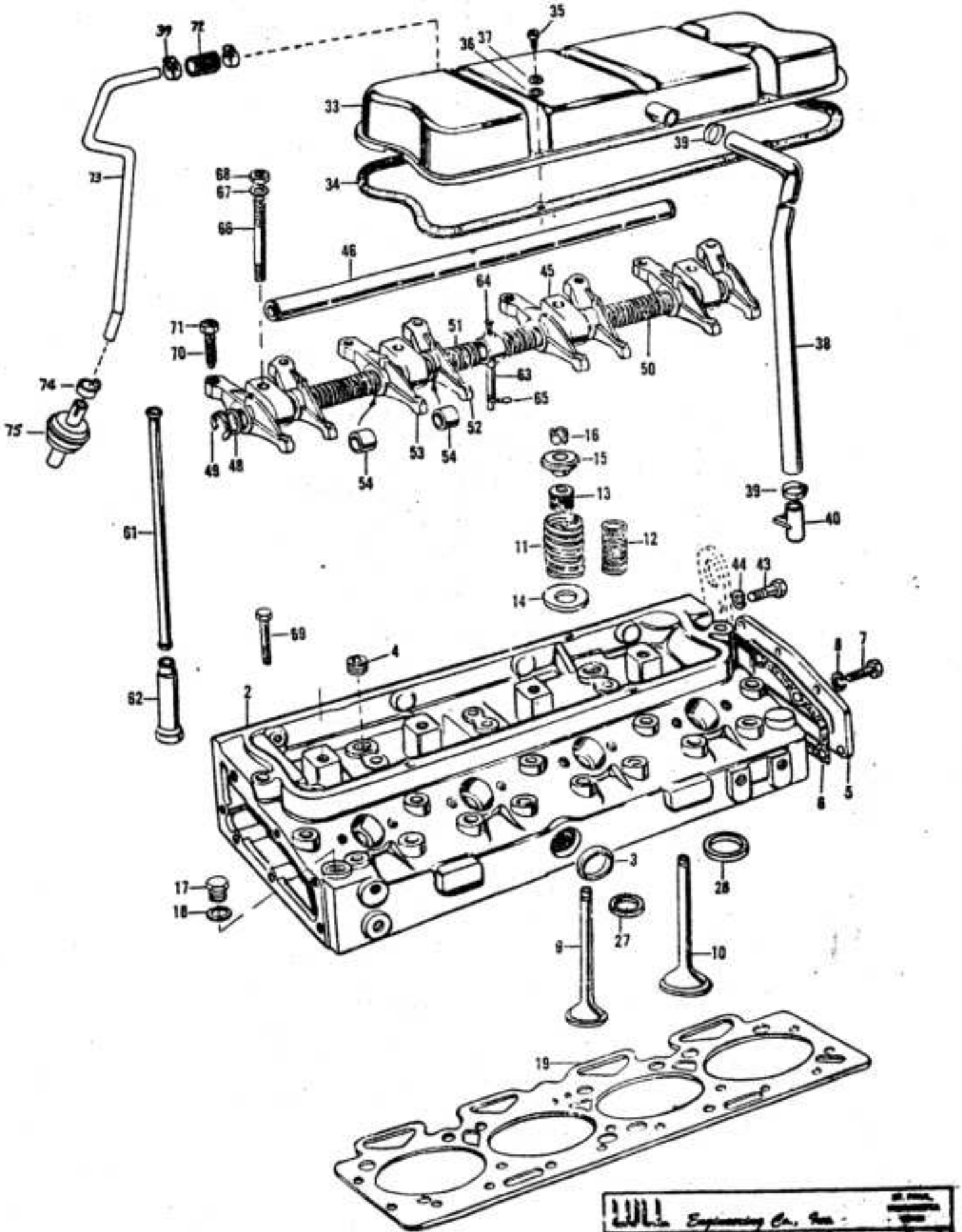

LULL Engineering Co., Inc. ST. PAUL, MINNESOTA

INDEX OF PARTS
422 CHASSIS

PUBLICATION NUMBER
1835



MidWestTech | Lull 422 Telehandler Parts Manual | Publication 10709897 Order the manual at mid-west-tech.com >





Order the manual at mid-west-tech.com >

## CYLINDER HEAD, COVER, VALVES AND ROCKERSHAFT

| ITEM | PART NO. | DESCRIPTION | QTY. |
|---|---|---|---|
| 1 | P22051 | Head Assembly, Cylinder (Incl. Items 3 thru 18) | 1 |
| 3 | P22006 | Plug (1-1/4" Cup Type) | 1 |
| 4 | P22052 | Plug (1/2" - 14 Hex., Sckt. Hd.) | 2 |
| 5 | P22053 | Cover, Rear | 1 |
| 6 | P22169 | Gasket, Rear Cover | 1 |
| 7 | Com'l. | Bolt (5/16 x 3/4" NF, Hex.) | 6 |
| 8 | Com'l. | Washer (5/16" Lock) | 6 |
| 9 | P22062 | Valve, Intake (Std) | 4 |
| 9 | P22063 | Valve, Intake (+.003") | x |
| 9 | P22064 | Valve, Intake (+.015") | x |
| 9 | P22065 | Valve, Intake (+.030") | x |
| 10 | P22066 | Valve, Exhaust (Std.) | 4 |
| 10 | P22067 | Valve, Exhaust (+.003") | x |
| 10 | P22068 | Valve, Exhaust (+.015") | x |
| 10 | P22069 | Valve, Exhaust (+.030") | x |
| 11 | P22061 | Spring, Valve (Outer) | 8 |
| 12 | P22060 | Spring, Valve (Inner) | 8 |
| 13 | P22091 | Seal, Valve Stem | 8 |
| 14 | P22058 | Washer, Valve Spring | 8 |
| 15 | P22057 | Cap, Intake Valve Spring | 8 |
| 16 | P22056 | Lock, Valve (Set of 2) | 4 |
| 17 | P22054 | Plug, Top Face | 1 |
| 18 | P22055 | Washer (5/8" Aluminum) | 1 |
| 19 | P22167 | Gasket, Cylinder Head | 1 |
| 27 | P22070 | Insert (Intake) | 4 |
| 28 | P22071 | Insert (Exhaust) | 4 |
| 33* | P22072 | Cover, Cylinder Head | 1 |
| 34* | P22167 | Gasket, Cylinder Head Cover | 1 |
| 35 | P22074 | Screw, Cylinder Head Cover | 4 |
| 36 | Com'l. | Washer (1/4 x 9/16 x 1/16") | 4 |
| 37 | Com'l. | Washer (1/4" Lock) | 4 |
| 38 | P22090 | Pipe, Breather | 1 |
| 39 | P13613 | Clamp, Hose | 2 |
| 40 | P22091 | Bracket, Breather Pipe | 1 |
| 43 | Com'l. | Bolt (3/8 x 7/8" NF, Hex.) | 4 |
| 44 | Com'l. | Washer (3/8" Lock) | 4 |
| 45 | P22075 | Bracket, Rockershaft | 4 |
| 46* | P22076 | Rockershaft | 1 |
| 48 | Com'l. | Washer (3/4 x 15/16 x 3/32") | 2 |
| 49 | P22078 | Ring, Snap | 2 |
| 50 | P22079 | Spring, Rockershaft (Long) | 2 |
| 51 | P22080 | Spring, Rockershaft (Short) | 2 |
| 52 | P22081 | Lever, Right Hand (Incl. Item 54) | 4 |
| 53 | P22082 | Lever, Left Hand (Incl. Item 54) | 4 |
| 54 | P22083 | Bushing, Lever | 1 |



MidWestTech | Lull 422 Telehandler Parts Manual | Publication 10709897 Order the manual at mid-west-tech.com >