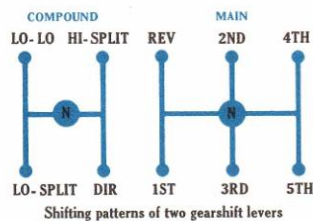
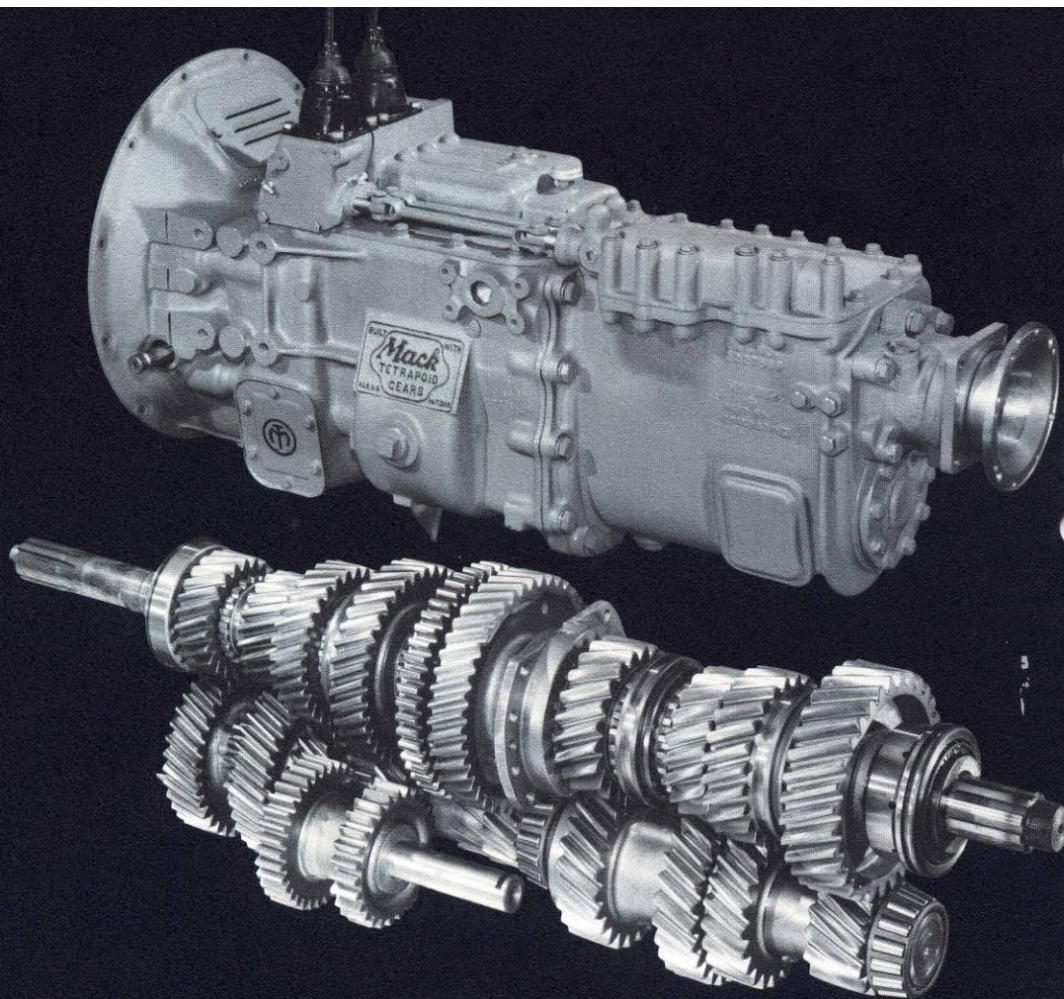


For dumper-mixer operations

Mack Quadruplex Transmissions

designed and
built to balance
the output of
high torque
Mack engines



TRQ 7220

SHIFT	HIGH SPLIT	MAIN	LOW SPLIT	LOW LOW
5th	0.70	0.84	1.01	2.13
4th	0.84	1.00	1.20	2.53
3rd	1.47	1.76	2.10	4.44
2nd	2.61	3.13	3.74	7.92
1st	4.55	5.45	6.52	13.80
Rev.	4.55	5.45	6.52	13.80

TRQ 770

SHIFT	HIGH SPLIT	MAIN	LOW SPLIT	LOW LOW
5th	0.83	1.02	1.25	2.18
4th	1.00	1.23	1.50	2.62
3rd	1.78	2.19	2.66	4.66
2nd	3.19	3.92	4.77	8.35
1st	5.84	7.18	8.74	15.29
Rev.	5.95	7.31	8.90	15.58

These are 18-speed transmissions. They are available in two sizes, the TRQ 770 and the TRQ 7220, the latter an extremely heavy-duty unit. Both transmissions provide 18 forward speeds for over-the-road operation and off-road use. Final ratios through the rear axles of more than 80 to 1 are provided by both Quadruplex transmissions.

Mack designs and builds drive train components as a single performance unit for longer life and less downtime over years of service.

Mack Quadruplex transmissions are designed to meet the total range of requirements for construction work. They have the huskiness to stand up to the brutal punishment that goes with off-road work. And they have the ratios that this kind of work demands.

Mack dumper-mixer transmissions, such as the TRQ 7220 and TRQ 770, combine main and compound gearsets in one rugged, compact unit for savings in weight and length up to 150 lbs. and 40 in. This design provides greater sturdiness by eliminating a separate auxiliary transmission . . . also eliminates the need for an extra driveshaft and universal joints.

Maintenance is simple and lubrication is positive. In addition to main and compound gearsets sharing a common oil bath, the Mack TRQ 7220



dumper-mixer transmission is pressure lubricated by a positive displacement pump having

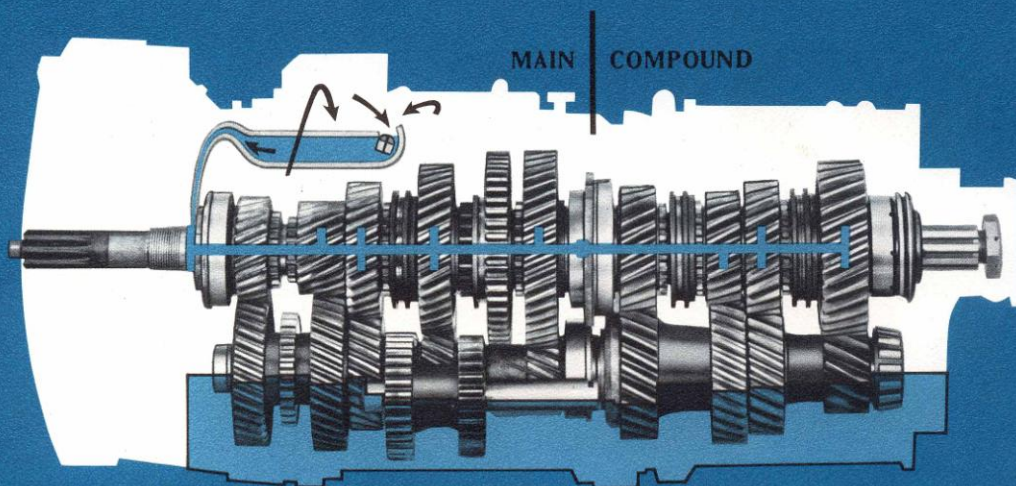
just one moving part.

Shifting the Quadruplex dumper-mixer transmission is smooth and easy. Gear ratios are evenly split; lever throws are straight line. Shift levers are mounted on a single pedestal, making them convenient to the driver and easy to split shift.

Generous gear widths and large diameter shafts maintain permanent alignment and assure long life.

Gears are cut to Mack's Tetrapoid design to reduce scuffing, spalling and impact damage, while providing exceptionally quiet operation. And, by eliminating root undercutting, each tooth is given greater strength. "Digging in" is eliminated.

Only Mack transmissions are designed and built to handle the high torque output of Mack engines.



Mack Quadruplex Transmissions

Main gearset is at left, compound gearset at right. Both are lubricated by oil bath. In addition, the TRQ 7220 has a positive-pressure pump which forces oil through drilled shafts to gears. The pump has only one mov-

ing part. Spigot bearings are also lubricated by same system. Magnetic oil clean-out plug located high on splash-fed trough case removes metallic particles and helps trap non-ferrous matter.



MACK TRUCKS, Inc., Montvale, New Jersey