



Contents

| | |
|--|-----------|
| 00 - Technical data | 1 |
| 1 Identification | 1 |
| 1.1 Gearbox identification | 1 |
| 2 Technical data | 2 |
| 2.1 Allocation gearbox - engine/capacities | 2 |
| 2.2 Calculating overall gear ratio "i" | 3 |
| 3 Overview - power transmission | 4 |
| 3.1 Overview - power transmission | 4 |
| 4 Repair instructions | 6 |
| 4.1 Components | 6 |
| 30 - Clutch | 9 |
| 1 Clutch operation | 9 |
| 1.1 Assembly overview - clutch release mechanism | 9 |
| 1.2 Removing and installing mounting bracket | 9 |
| 1.3 Removing and installing clutch master cylinder | 11 |
| 1.4 Removing and installing over-centre spring | 12 |
| 1.5 Bleeding clutch mechanism | 12 |
| 2 Clutch | 14 |
| 2.1 Assembly overview - clutch | 14 |
| 2.2 Removing and installing clutch | 14 |
| 2.3 Resetting adjusting ring of self-adjusting pressure plate | 17 |
| 34 - Controls, housing | 19 |
| 1 Selector mechanism | 19 |
| 1.1 Assembly overview - selector mechanism | 19 |
| 1.2 Removing and installing selector mechanism | 20 |
| 1.3 Adjusting gear and selector lever cable | 21 |
| 1.4 Removing and installing selector bracket | 23 |
| 1.5 Removing and installing gear lever | 24 |
| 1.6 Removing and installing reversing light switch F4 | 26 |
| 2 Removing and installing gearbox | 27 |
| 2.1 Removing and installing gearbox | 27 |
| 2.2 Removing and installing gearbox mounting | 34 |
| 3 Dismantling and assembling gearbox | 36 |
| 3.1 Schematic overview - gearbox | 36 |
| 3.2 Assembly overview - input shaft | 37 |
| 3.3 Assembly overview - gearbox housing and selector mechanism | 38 |
| 3.4 Dismantling and assembling gearbox | 40 |
| 4 Gearbox housing, clutch housing | 53 |
| 4.1 Assembly overview - gearbox housing | 53 |
| 4.2 Assembly overview - clutch housing | 54 |
| 4.3 Repairing gearbox housing | 55 |
| 4.4 Repairing clutch housing | 58 |
| 5 Oil seals | 62 |
| 5.1 Renewing input shaft seal | 62 |
| 5.2 Renewing output shaft seal | 63 |
| 6 Gear oil | 67 |
| 6.1 Checking gear oil level | 67 |
| 6.2 Draining and filling gear oil | 67 |
| 35 - Gears, shafts | 69 |



| | | |
|----------|--|-----------|
| 1 | Input shaft/output shaft | 69 |
| 1.1 | Assembly overview - input shaft/output shaft | 69 |
| 1.2 | Dismantling and assembling output shaft | 72 |
| 2 | Layshaft | 83 |
| 2.1 | Assembly overview - layshaft | 83 |
| 2.2 | Assembly overview - axle with reverse gear wheel | 85 |
| 2.3 | Dismantling and assembling layshaft | 86 |
| 2.4 | Removing and installing axle with reverse gear wheel | 93 |