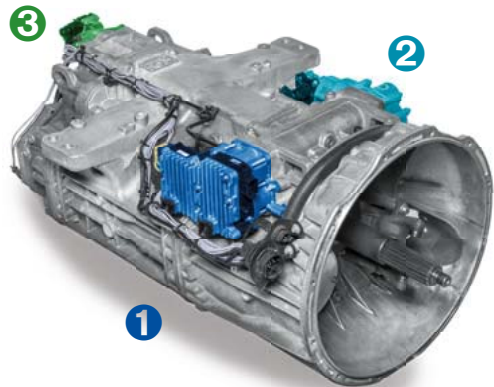


WABCO Automated Manual Transmission

Aftermarket solutions for Daimler AMT 3rd generation



Transmission components for Daimler AMT 3rd generation

The 3rd generation of AMT for Daimler applications is an electro-pneumatic shifting system, applied in commercial vehicles. The gearbox actuator is used for the operation of max. 16-speed commercial vehicle gearboxes. Its task consists in performing the gear shift operations fast, in a manner adapted to the individual driving situation.

The system is modularly built, with three main elements:

- 1 2-Position Cylinder (SELECT)
- 2 3-Position Cylinder (GEAR SHIFT)
- 3 GP-Cylinder (RANGE)

For each of these three main elements, WABCO offers specific OE quality replace and/or repair solutions.

Easy Diagnostics

The 3rd generation Daimler AMT can be diagnosed with multibrand solutions available for IAM workshops. WABCO Diagnostic Software can be ordered and downloaded from the myWABCO Web page: www.am.wabco-auto.com

- Part of the Full Package: order number 246 301 900 0
- Part of the Bus Package: order number 246 301 902 0
- Part of the Towing Vehicle Package: order number 246 301 904 0
- Single Software

You can find the current Diagnostic Software overview at www.wabco.info/i/852

WEASY can be ordered via the WABCO Würth distribution network. For more details, see www.wabcowuerth.com

Simple teach-in procedure

Following the repair, you can conduct an easy teach-in via one of the procedures described below, to re-adjust transmission settings, and get the vehicle back on the road. No OE key is required to start the truck again.

Via the WABCO diagnostics software:

- Simply connect the system via the OBD (Onboard diagnostics) Interface.
- Start the teach-in procedure via the WABCO diagnostics software.
- Follow the instructions given by the software.

Via a manual start in the truck cabin:

- Press both buttons on the lever unit and turn the ignition key.
- Start the engine and keep both buttons pressed. (All gears are then shifted up and down automatically.)
- The teach-in procedure is finalized when the neutral position is reached, which is indicated by the 'N' popping up in the display.



How-To teach-in



www.wabco.info/i/951

2-position cylinder (select)

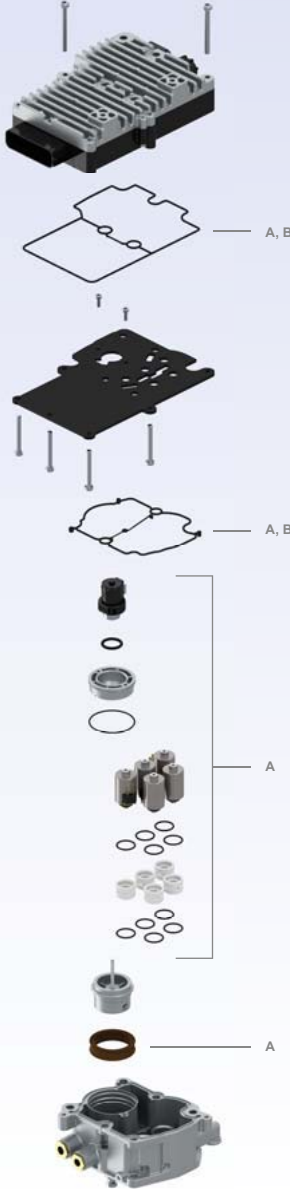


How-To Video



www.wabco.info/i/948

Device structure



Overview of repair kits

Position	Main component	WABCO number
A	Solenoid kit	421 351 007 2
B	Sealing kit	421 351 008 2

Basic device applications

Basic device number		Applicable repair kits	
WABCO	Daimler	Solenoid kit 421 351 007 2	Sealing kit 421 351 008 2
421 351 135 0	A0022606463	✓	✓
421 351 136 0	A0022606263	✓	✓
421 351 137 0	A0022606163	✓	✓
421 351 138 0	A0022606363	✓	✓
421 351 140 0	A0022606663	✓	✓
421 351 144 0	A0022607063	✓	✓
421 351 151 0	A0022609063	✓	✓
421 351 152 0	A0022608963	✓	✓
421 351 153 0	A0022609163	✓	✓
421 351 154 0	A0022609463	✓	✓
421 351 155 0	A0022609363	✓	✓
421 351 156 0	A0022608363	✓	✓
421 351 165 0	A0032600163	✓	✓
421 351 167 0	A0032600463	✓	✓
421 351 171 0	A0032600963	✓	✓
421 351 172 0	A0032600863	✓	✓
421 351 173 0	A0032601063	✓	✓
421 351 174 0	A0032601463	✓	✓
421 351 175 0	A0032601163	✓	✓
421 351 176 0	A0032601363	✓	✓
421 351 177 0	A0032601263	✓	✓
421 351 178 0	A0032602263	✓	✓
421 351 179 0	A0032604163	✓	✓
421 351 184 0	A0032605863	✓	✓
421 351 186 0	A0032605063	✓	✓
421 351 187 0	A0032605963	✓	✓
421 351 188 0	A0032607463	✓	✓
472 405 001 0	A0024461309	✓	✓
472 405 003 0	A0024467509	✓	✓
472 405 004 0	A0034460509	✓	✓

3-position cylinder (gear shift)

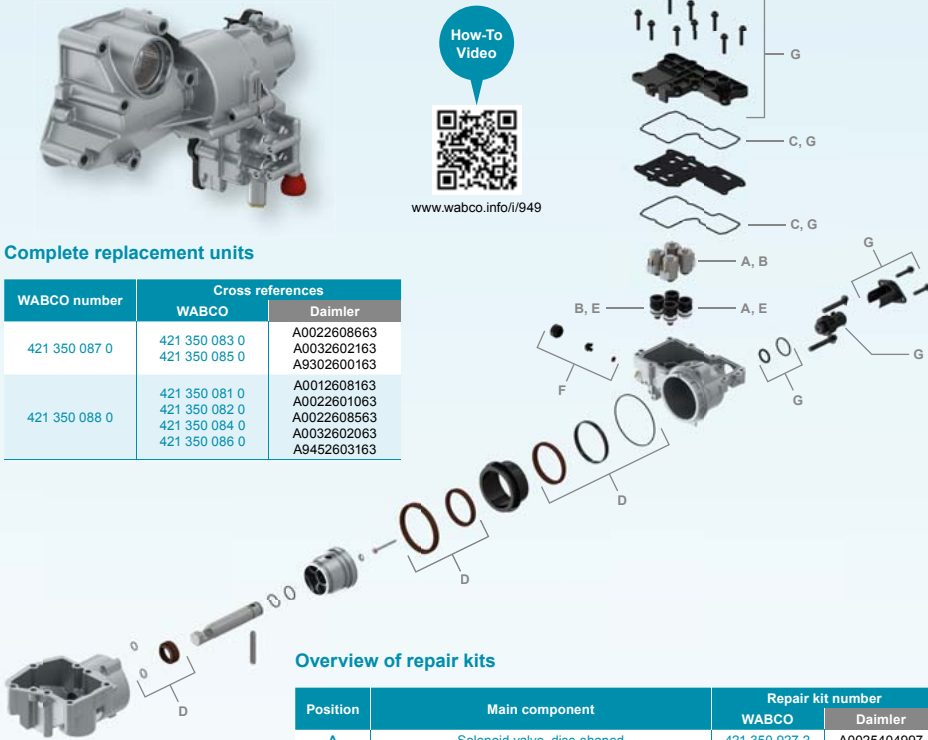


How-To Video



www.wabco.info/i/949

Device structure



Complete replacement units

WABCO number	Cross references	
	WABCO	Daimler
421 350 087 0	421 350 083 0	A0022608663
	421 350 085 0	A0032602163
421 350 088 0	421 350 081 0	A0012608163
	421 350 082 0	A0022601063
	421 350 084 0	A0022608563
	421 350 086 0	A0032602063
	421 350 088 0	A9452603163

Overview of repair kits

Position	Main component	Repair kit number	
		WABCO	Daimler
A	Solenoid valve, disc-shaped	421 350 927 2	A0025404997
B	Solenoid valve, nose-shaped	421 350 928 2	A0025405097
C	Gasket set	421 350 930 2	A0002606968
D	Cylinder shaft seals	421 350 931 2	A0002607068
E	Valve heads: 2× disc-shaped, 2× nose-shaped	421 350 932 2	A00026090444
F	Exhaust cap	421 350 934 2	A0002610982
G	Distance sensor, circuit board, gasket set	421 350 935 2	A9455422518

Basic device applications

Basic device number		Applicable repair kits (WABCO number 421 350 ...)						
WABCO	Daimler	... 927 2	... 928 2	... 930 2	... 931 2	... 932 2	... 934 2	... 935 2
421 350 080 0	A0022603863	✓	✓	✓	✓	✓	✓	✓
421 350 081 0	A0012608163	✓	✓	✓	✓	✓	✓	✓
421 350 082 0	A0022601063	✓	✓	✓	✓	✓	✓	✓
421 350 083 0	A0022608663	✓	✓	✓	✓	✓	✓	✓
421 350 084 0	A0022608563	✓	✓	✓	✓	✓	✓	✓
421 350 085 0	A0032602163	✓	✓	✓	✓	✓	✓	✓
421 350 086 0	A0032602063	✓	✓	✓	✓	✓	✓	✓
421 350 087 0	A9302600163	✓	✓	✓	✓	✓	✓	✓
	A0022608663	✓	✓	✓	✓	✓	✓	✓
	A0032602163	✓	✓	✓	✓	✓	✓	✓
	A9452603163	✓	✓	✓	✓	✓	✓	✓
	A0012608163	✓	✓	✓	✓	✓	✓	✓
	A0022601063	✓	✓	✓	✓	✓	✓	✓
	A0022608563	✓	✓	✓	✓	✓	✓	✓
	A0032602063	✓	✓	✓	✓	✓	✓	✓
421 350 992 0	A0022608763	✓	✓	✓	✓	✓	✓	✓
421 350 993 0	A0022608863	✓	✓	✓	✓	✓	✓	✓

GP-cylinder (range)

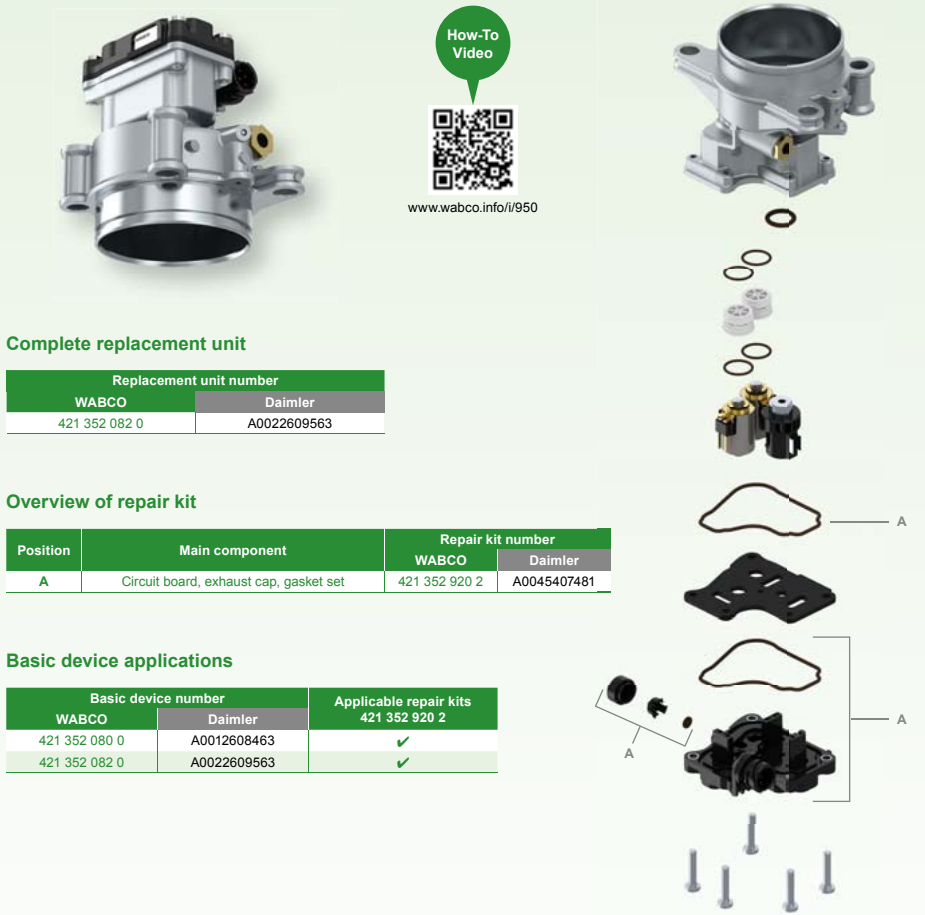


How-To Video



www.wabco.info/i/950

Device structure



Complete replacement unit

Replacement unit number	
WABCO	Daimler
421 352 082 0	A0022609563

Overview of repair kit

Position	Main component	Repair kit number	
		WABCO	Daimler
A	Circuit board, exhaust cap, gasket set	421 352 920 2	A0045407481

Basic device applications

Basic device number		Applicable repair kits
WABCO	Daimler	421 352 920 2
421 352 080 0	A0012608463	✓
421 352 082 0	A0022609563	✓