

### Equipment overview - EBS Electronic Braking System "ACTROS"

This is to provide you with an overview of the WABCO EBS components on a ACTROS. This market information supplements / replaces the Market Information 20/98.



| Device designation        | WABCO number  | DC number     | Remarks  |
|---------------------------|---------------|---------------|--|
| Central module package 96 | 446 130 000 0 | 000 446 07 36 | For all vehicles with disc brakes on front axle<br>Alternative 446 130 014 0   |
| Central module package 97 | 446 130 005 0 | 000 446 08 36 | For 4x2 tractors with standard frame height and EPS/EAS<br>Replacement 446 130 015 0   |
| Central module package 97 | 446 130 004 0 | 000 446 09 36 | For 4x2-, 6x2-, 6x2/4-, 6x4-, 8x4 vehicles with EPS /EAS except 4x2 tractors with standard frame height<br>Alternative 446 130 014 0           |
| Central module package 97 | 446 130 009 0 | 000 446 10 36 | For 4x2 tractors with standard frame height and hydr. gear shift<br>Alternative 446 130 015 0  |
| Central module package 97 | 446 130 008 0 | 000 446 11 36 | For 4x2-, 6x2-, 6x2/4-, 6x4-, 8x4-vehicles (except 4x2-tractors with standard frame height) with hydr. gear shift<br>Alternative 446 130 014 0 |
| Central module package 98 | 446 130 011 0 | 000 446 12 36 | For all 4x2 with standard frame height - with EPS/EAS and hydr. gear shift<br>Alternative 446 130 015 0  |
| Central module package 98 | 446 130 010 0 | 000 446 13 36 | For 4x2-, 6x2-, 6x2/4-, 6x4-, 8x4 vehicles (except 4x2 tractors) - with EPS/EAS and hydr. gear shift<br>Alternative 446 130 014 0              |

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| Device designation        | WABCO number  | DC number     | Remarks   |
|---------------------------|---------------|---------------|---|
| Central module package 99 | 446 130 015 0 | 000 446 25 36 | For all 4x2 with standard frame height<br>- with EPS/EAS and hydr. gear shift   |
| Central module package 99 | 446 130 014 0 | 000 446 26 36 | For 4x2-, 6x2-, 6x2/4-, 6x4-, 8x4 vehicles<br>(except 4x2 tractors)<br>- with EPS/EAS and hydr. gear shift                            |
| Central module package 00 | 446 130 019 0 | 000 446 27 36 | For all 4x2 tractors with standard frame height<br>- with EPS/EAS and hydr. gear shift<br>- for ESC vehicles only                     |
| Central module package 00 | 446 130 018 0 | 000 446 28 36 | For 4x2-, 6x2-, 6x2/4-, 6x4-, 8x4 vehicles<br>(except 4x2 tractors)<br>- with EPS/EAS and hydr. gear shift<br>- for ESC vehicles only |
| Central module package 03 | 446 130 050 0 | 000 446 30 36 | For MPII EBS vehicles   |
| Brake signal transmitter  | 480 001 000 0 | 004 431 22 05 | Without silencer, without Voss fittings, with port 4  |
| Brake signal transmitter  | 480 001 010 0 | 004 431 47 05 | With integr. Silencer, with Voss fittings, with port 4  |
| Brake signal transmitter  | 480 001 011 0 | 004 431 56 05 | With integr. Silencer, with Voss fittings, without port 4, from begin 2003  |
| Proportional relay valve  | 480 202 001 0 | 004 429 86 44 | For all vehicles except 8x4<br>- old 7 pin bayonet fitting<br>Replacement 480 202 004 0   |
| Proportional relay valve  | 480 202 002 0 | 004 429 93 44 | For 8x4 vehicles<br>Replacement 480 202 005 0   |
| Proportional relay valve  | 480 202 004 0 | 005 429 12 44 | For all vehicles except 8x4   |
| Proportional relay valve  | 480 202 005 0 | 005 429 13 44 | No longer fitted  |
| Redundancy valve          | 480 205 001 0 | 004 429 91 44 | For all vehicles  |
| Redundancy valve ra       | 480 205 104 0 | 005 429 36 44 | For MPII vehicles   |
| Redundancy valve fa       | 472 176 916 0 | 005 997 67 36 | For MPII vehicles   |
| Special relay valve       | 973 011 300 0 | 004 429 94 44 |   |
| Pressure Regulator Valve  | 475 020 001 0 | 004 429 98 44 | 4.9 bar/ with EBS package 96 only<br>Replacement 475 020 005 0  |
| Pressure Regulator Valve  | 475 020 002 0 | 004 429 99 44 | 5.2 bar/ with EBS package 96 only<br>Replacement 475 020 005 0  |
| Pressure Regulator Valve  | 475 020 003 0 | 005 429 00 44 | 5.5 bar/ with EBS package 96 only<br>Replacement 475 020 005 0  |

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|                            |               |               |  |
|----------------------------|---------------|---------------|--|
| Pressure Reg. Valve        | 475 020 004 0 | 005 429 08 44 | 4.6 bar/ with EBS package 96 only  |
| Pressure Regulator Valve   | 475 020 005 0 | 005 429 15 44 | 4.1 bar/ start with EBS package 97<br>Alternative 475 020 006 0  |
| Pressure Reg. Valve        | 475 020 006 0 | 005 429 39 44 | 4.1 bar/ with silencer   |
| Pressure Reg. Valve        | 475 010 325 0 | 005 429 03 44 | For MPII vehicles  |
| Axle modulator package 96  | 480 103 001 0 | 000 429 04 24 | For 6x2-, 6x2/4-, 6x4-, 8x4- vehicles with discs at ra<br><b>Warning! For main axle with drum brakes use corresp. axle modulator package 97</b><br>Replacement 480 103 005 0 |
| Axle modulator package 96  | 480 103 002 0 | 000 429 03 24 | For all 4x2 vehicles with disc brakes at ra<br><b>Warning! For main axle with drum brakes use corresp. axle modulator package 97</b><br>Replacement 480 103 004 0            |
| Axle modulator package 97  | 480 103 004 0 | 000 429 06 24 | For all 4x2 with disc or drum brake<br>Replacement 480 103 006 0   |
| Axle modulator package 97  | 480 103 005 0 | 000 429 07 24 | For 6x2-, 6x2/4-, 6x4-, 8x4- vehicles with discs or drum brakes<br>Replacement 480 103 007 0   |
| Axle modulator package 98  | 480 103 006 0 | 000 429 08 24 | For all 4x2 vehicles<br>Replacement 480 103 011 0  |
| Axle modulator package 98  | 480 103 007 0 | 000 429 09 24 | For 6x2-, 6x2/4-, 6x4-, 8x4 vehicles<br>Replacement 480 103 012 0  |
| Axle modulator package 99  | 480 103 011 0 | 000 429 15 24 | For all 4x2 vehicles   |
| Axle modulator package 99  | 480 103 012 0 | 000 429 16 24 | For 6x2-, 6x2/4-, 6x4-, 8x4 vehicles   |
| Axle modulator package 00  | 480 103 013 0 | 000 429 17 24 | For all 4x2 vehicles with ESC only<br><b>Warning! No more downwards compatibility</b>  |
| Axle modulator package 03  | 480 103 015 0 | 000 429 19 24 | For all 4x2 vehicles   |
| Axle modulator package 03  | 480 103 016 0 | 000 429 20 24 | For all vehicles except 4x2  |
| Trailer control valve      | 480 204 000 0 | 000 431 87 13 | Old 7 pin bayonet fitting  |
| Trailer control valve      | 480 204 001 0 | 000 431 89 13 | Reworked 7 pin bayonet fitting<br>Alternative 480 204 002 0  |
| Trailer control valve      | 480 204 002 0 | 000 431 94 13 | 7 pin DIN bayonet, plugged from below  |
| Trailer recognition module | 446 186 000 0 | 023 545 27 32 | Used with EBS package 96 only  |
| ESC module                 | 446 065 000 0 | 029 545 49 32 | Small housing replacement 446 065 003 0  |
|                            | 446 065 003 0 | 033 545 38 32 | Large housing  |

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