

BORG-WARNER 65 & 66

3 speed rear wheel drive, non lock up.
British vehicles 1973 to 86
Similar to BW35, but with servos integral with case



Iss 16/05/97

Illus	Description	Year	Part No.	Illus	Description	Year	Part No.
	KITS				BRAKE BANDS		
	Overhaul - Exc BMW		113 02 01		Front flexible (standard)		110 14 05
	Overhaul - BMW only		113 02 02		Front flexible (Borg-Warner)		110 14 05M
	Shaft sealing ring		110 06 04		Front flexible (reline)		R110 14 05
	GASKETS				Heavy duty rear only (TBL)		110 14 06
	Pan (cork neoprene)		113 25 01		Heavy duty rear only (Borg-Warner)		110 14 06M
	Ext housing		113 25 02		Heavy duty rear only (reline)		R110 14 06
	Pump		113 25 05		Front or rear rigid for 0.040" undersize drum		110 14 09
	Front servo cover		113 25 03		FILTER		
	Rear servo cover		113 25 04		With cowl		110 27 02
	Filter		110 25 10		BUSHES & BEARINGS		
	RUBBER COMPONENTS				Pump body		110 21 01
	Pump lathe cut seal		110 17 03		Pump driven gear		110 21 02
	Forward clutch outer lathe cut seal		110 17 04		Stator support front - 23 spline input		110 21 03
	Forward clutch inner "O" ring		110 16 08		Stator support front - 26 spline input		113 21 02
	Forward clutch inner "U" seal (Rover, Jaguar)		113 18 01		Stator support rear		110 21 04
	Top & rev outer lathe cut seal		110 17 05		Input shaft		110 21 05
	Top & rev inner "O" ring		110 16 09		Needle bush - rear drum		110 21 06
	Rear servo piston outer "O" ring		113 16 01		Planetary - front		110 21 08
	Rear servo piston inner "O" ring		113 16 07		Planetary - rear		110 21 09
	Rear servo cover "O" ring (2)		113 16 05		Rear drum		110 21 09
	Front servo cover "O" ring				Output shaft		110 21 10
	1off for Rover, Jaguar & BMW		113 16 02		Case		110 21 12
	2off for Austin, Morris, & Triumph		113 16 02		Ext 1.512" dia/1.375" dia/1.175" long		110 21 13
	Front servo piston outer Rover,Jaguar,BMW (1)		113 16 02		Ext 1.512" dia/1.375" dia/0.750" long		110 21 14
	Front servo piston outer Austin,Morris,Triumph (1)		113 16 06		Ext 1.317" dia/1.190" dia/1.400" long		110 21 15
	Front servo piston inner Rover,Jaguar,BMW (1)		113 16 03		THRUST WASHERS		
	Front servo piston inner Austin,Morris,Triumph (1)		113 16 07		Input shaft 0.062" thick		110 22 01
	Front servo cover "O" ring		113 16 09		Input shaft 0.079" thick		110 22 02
	Breather adapter "O" ring		113 16 04		Forward clutch hub		110 22 03
	Pump pick up tube		110 16 07		Forward clutch cylinder - bronze		110 22 04
	Speedo driven gear (BMW)		113 16 08		Forward clutch cylinder - steel		110 22 05
	Cable "O" ring		113 16 09		Sun gear needle plate - lipped inner		110 22 06
	METAL CLAD SEALS				Sun gear needle plate - with 3 flats		110 22 10
	Converter		110 15 01		Sun gear needle bearing 0.062" rollers		110 23 01
	Converter BMW only		113 15 01		Sun gear needle bearing 0.125" rollers		110 23 02
	Ext 1.950" dia Rover & Jaguar		110 15 03		Output shaft		113 22 01
	Ext 2.010" dia Triumph, Austin, Morris		113 15 05		Planetary needle plate		110 22 07
	Ext 1.950" dia BMW		113 15 04		Planetary needle bearing 0.062" rollers		110 23 03
	Manual control shaft (2)		113 15 02		Planetary needle bearing 0.0125" rollers		110 23 05
	Speedo driven gear BMW only		113 15 03		Planetary needle & plate combined		110 23 04
	SHAFT SEALING RINGS				TUBES		
	Rear drum to centre support - steel (std) (3)		110 26 01		Lubrication		113 63 01
	Rear drum to centre support - teflon (3)		110 26 02		Governor feed		113 63 02
	Sun gear front - steel (2)		110 26 03		Governor pressure		113 63 03
	Sun gear front - teflon (std) (2)		110 26 04		Rear lubrication		113 63 04
	Sun gear rear - steel (1)		110 26 05		Front pump suction (early)		113 63 05
	Sun gear rear teflon (std) (1)		110 26 06		Front pump suction (late)		113 63 13
	Output shaft - steel(must be steel) (3)		110 26 07		Front pump suction BW66		113 63 17
	CLUTCH PLATES				Front pump pressure		113 63 06
	Sintered friction		110 11 04		Oil cooler supply		113 63 07
	Forward friction (red plain)		110 11 01		Oil cooler return		113 63 16
	Forward steel 0.070" thick		110 12 01		Converter in		113 63 08
	Forward pressure (4 friction)		110 13 02		Front servo release 028,033,043,051,061		113 63 15
	Forward pressure (5 friction)		110 13 03		Front servo release exc above		113 63 09
	Top & rev friction (beige - grooved)		110 11 03		Rear servo line 13		113 63 10
	Top & rev steel 0.015" dished		110 12 03		Front servo apply		113 63 11
	Top & rev steel 0.025" dished		110 12 04		Rear servo line 7		113 63 12
	Top & rev pressure		110 13 07		Rear clutch feed		113 63 14
	Top & rev spacer (4 friction)		110 13 05		CIRCLIPS		
	Selective steel flat 0.053" thick - as reqd		110 12 02		Governor bob weight		110 32 01
	Selective steel flat 0.079" thick - as reqd		110 12 05		Rear clutch spring retainer		110 32 02
					Forward clutch diaphragm spring		110 32 03
					Forward clutch plates retainer		110 32 04
					Top & rev clutch plates retainer		110 32 04



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	Sprag clutch retainer		110 32 04		ELECTRICAL Inhibitor switch (no leads) Inhibitor switch (10" leads - single plug) Inhibitor switch (13" leads - single plug) Inhibitor switch (24" leads - twin plug)		113 35 01 113 35 02 113 35 03 113 35 04
	Sprag clutch retainer (wire)		110 32 09				
	HARD PARTS					MISCELLANEOUS Speedo drive gear 4.4 Jaguar 015 trans Speedo drive gear 025,033,050,052,056, 6066, 6067 Speedo drive gear 021,036,051,053,055,059,061, 6068,6069,6070,6072,6073,6079,6081,6082 Throttle linkage connecting joints (nylon)	113 60 01 113 60 02 113 60 03 113 21 11
	Case assembly		113 53 01				
	Pump assembly - 23 spline input		113 38 01				
	Pump assembly - 26 spline input		113 38 02				
	Short pump with gears - all exc BMW		110 38 02				
	Short pump with gears - BMW only		113 38 01				
	Stator support - all for 23 spline exc BMW		113 39 01				
	Stator support - BMW only		113 39 03				
	Stator support - for 26 spline		113 39 02				
	Input shaft - 22 spline		110 64 01				
	Input shaft - 23 spline exc BMW		110 64 02				
	Input shaft - 23 spline BMW only		113 64 01				
	Input shaft - 26 spline for BW66		113 64 02				
	Forward clutch hub		110 29 01				
	Forward clutch diaphragm spring		110 24 01				
	Forward clutch piston		110 45 01				
	Forward clutch piston (anti bump seal)		113 45 01				
	Forward clutch cylinder		113 29 02				
	Top & rev piston (std)		110 45 02				
	Top & rev piston (for 0.025" steel plates)		113 45 02				
	Front drum (wide with small sun gear)		110 29 12				
	Front drum (wide with large sun gear)		113 29 04				
	Primary sun gear 1.850"dia (uses 102301 bearing)		110 65 01				
	Primary sun gear 1.850" dia (uses 102302 bearing)		110 65 02				
	Primary sun gear 1.950"dia		113 65 01				
	Centre support		113 43 01				
	Sprag - 24 cams		110 44 01				
	Sprag - 30 cams		113 44 01				
	Sprag outer race		110 29 06				
	Planetary set (uses 102302 bearing)		110 66 02				
	Planetary set - large sun gear		113 66 01				
	Annulus gear		113 29 03				
	Front servo piston & rod (small)		113 45 03				
	Front servo piston & rod (large)		113 45 04				
	Front servo cover (small)		113 45 06				
	Front servo cover (largel)		113 45 07				
	Rear servo piston & rod		113 45 05				
	Rear servo cover		113 45 08				
	Rear servo lever		113 45 09				
	Rear servo lever pin		113 45 10				
	Band apply strut 0.175"		110 29 13				
	Band apply strut 0.215"		110 29 14				
	Band apply strut 0.255"		110 29 15				
	Park pawl		113 29 15				
	Park pawl rod assembly - Jag 015,025		113 29 05				
	Park pawl rod assembly - all others		113 29 06				
	Pivot pin - park pawl		113 29 07				
	Spring, park pawl		113 29 08				
	Park pawl operating lever		113 29 09				
	Spring - park rod operating lever		113 29 10				
	Pivot pin - park pawl operating lever		113 29 11				
	Lever assembly - manual valve detent		113 29 12				
	Kick down cable service ferrule		110 29 04				
	Stoneguard 90mm/38mm		113 29 01				
	Breather adaptor		113 18 02				
	Ext housing 015,025,033,050,052,056		113 54 02				
	Shaft - manual valve detent		113 29 13				
	Spacer - manual valve detent		113 29 14				
	Output shaft lock washer - BMW only		113 34 01				