



5-Speed Big Twin Transmission



VT No.	OEM	#	Item	VT No.	OEM	#	Item	
12-1178	601	1A	Roll Pin	17-0560	33344-94	47	Spacer, Sprocket 1994-up	
17-0512	3784	1	Set screw fork	14-0157	12050	48	Seal, 1984-E94	
37-9195	6016	2	Washer 11/32" x 11/16" x 1/16"	14-0962	12067A	48	Seal, L1994-up	
12-0562	7515	3	Jam Nut 7/16" x 1/4" x 11/16"	12-0952	11161	49	Snap Ring, 1985-00	
12-0938	11016	5	Retaining Ring, 10 pk	12-0926	11057	49	Snap Ring, 1980-84	
12-0948	11083	6	Retaining Ring, 1979-99	15-0237	34904-86A	50	Gasket, upper cover	
12-0992	11319	6	Retaining Ring, 2000-up	15-0213	35652-79B	51	Housing Gasket	
12-0299	9114	7	Right Cam Shifter Bearing	17-0540	35258-87C	52	Bearing Housing 1990-up Blk wrinkle	
12-0298	9115	8	Left Cam Shifter Bearing	17-9940	—	52	Bearing Housing 1979-86 Billet	
17-9854	33119-79B	9	Adjusting Screw Shifter Arm	17-9946	—	52	Bearing Housing 1987-99 Billet	
17-9855	Set	10	8 piece, 1 ea Thrust Assortment	17-0519	62375-57	53	Fitting, Upper Cover, ea	
17-0530	33205-80	10	.017 Shift Thrustwasher	17-9853	6003	54	Thrustwasher 1 3/16" x 3/8" x 5/16"	
17-0531	33206-80	10	.020 Shift Thrustwasher	12-0366	8876A	55	Bearing, 4pk	
17-0532	33207-80	10	.022 Shift Thrustwasher	17-0538	35068-79	56	Spring Plate	
17-0533	33208-80	10	.025 Shift Thrustwasher	17-0520	35025-79B	57	First Gear, Mainshaft	
17-0534	33209-80	10	.028 Shift Thrustwasher	17-7652	35025-79B	57	As Above Andrews	
17-0535	33210-80	10	.031 Shift Thrustwasher	17-9857	35026-79C	58	Andrews Gear, Main, 2nd+cntrshft 3rd 1979-93	
17-0536	33211-80	10	.035 Shift Thrustwasher	17-9922	35026-79C	58	As Above (V-Twin)	
17-0537	33212-80	10	.039 Shift Thrustwasher	17-9952*	35026-94	58	As Above, 1994-up High Contact	
37-9134	3993	11	Bolt 1/4"-20 1 1/4" Hex Head	17-9858	35027-79B	59	Andrews Gear, Main, 3rd and countershaft 2nd 1979-93	
37-9135	6736	12	Washer 9/32" x 5/8" x 1/16"	17-9953*	35027-94	59	As Above 1994-up High Contact	
17-0513	33320-79D	13	Shifter Cam, 1979-99, USA	17-9860	35028-79B	60	As Above Andrews	
17-0553	33320-79D	13	Shifter Cam (V-Twin)	17-0558*	35028-94	60	As Above 1994-up High Contact	
17-0583	33320-98	13	Shifter Cam, As Above	17-9861	35029-79	61	Fifth Gear, Mainshaft 85-84, Andrews	
17-0597	33320-98	13	Shifter Cam (Sifton)	17-9862	34029-85A	61	Fifth Gear, Mainshaft 85-90, Andrews	
17-0514	33332-79	14	Support Shifter Cam Right	17-9942	35029-91A	61	Fifth Gear, Mainshaft 91-93, Andrews	
17-0515	33326-79A	15	Support Shifter Cam Left, ea	17-9950*	35029-94	61	As Above, 1994-up High Contact	
21-2057	34084-86	16	1986-up Lever, shifter shaft w/17-18	12-9997	35051-89	62	1991-up Bearing 5th Gear	
17-0557	—	16	As Above, Sputhe, Includes 2, 5, 17, 20, 21, & 56	12-0336	8904	62	1984-90 Needle Bearing 5th Gear	
17-0576	—	16	As Above, V-Twin	17-9899	35042-85	65	Mainshaft, 1985-89 Andrews	
17-0547	34082-79	17	Pin, Shifter Shaft Lever	17-0525	35042-85	65	Mainshaft, 1985-89 USA	
13-0131	34083-79A	18	Spring, shifter shaft lever	17-8238	35042-90	65	Mainshaft, 1990 Belt, Andrews	
17-0516	34085-79A	19	Cam Follower	17-9943	35042-91	65	Mainshaft, 1991-up Belt, Andrews	
17-0517	37086-79	20	Pawl, Shifter Cam	17-0153	35042-91	65	Mainshaft, 1991-up	
17-0578	37086-79	20	Pawl, Shifter Cam, V-Twin	17-9848	35064-79	66	Spacer, Mainshaft	
13-0132	34087-79A	21	Spring, shifter shaft lever	17-0526	35622-79C	67	First Gear Countershaft	
17-1169	34088-87	22	1987-up Shift Shaft	17-7653	35622-79A	67	As Above Andrews	
17-9932	34088-79	22	1979-86 Shift Shaft	17-0527	35625-79B	68	Fourth Gear Countershaft 1979-93	
13-9176	34089-79	23	Spring	17-9859	35625-79B	68	As Above Andrews	
17-8081	34191-79D	24	Shifter Fork	17-0559*	35625-94	68	As Above 1994-up High Contact	
17-8082	34193-79D	25	Shifter Fork	17-9849	35629-79B	69	Spacer	
17-8083	34195-79D	26	Shifter Fork	17-9863	35626-79A	70	As Above Andrew	
12-0338	8998	27	Bearing, ea 1979-99	17-9951*	35626-94	70	Fifth Gear Countershaft, 1994-up High Contact	
12-0388	8992A	27	Bearing, ea 2000-up	17-9897	35632-79	71	Countershaft Andrews	
12-0951	10998	29	Retaining Ring	17-0529	35632-79	71	Countershaft, Sifton	
12-0158	8873	30	Ball	17-0544	35632-79	71	Countershaft V-Twin	
18-3209	25452-87A	31	Inner Ramp, 1987-99	8907-5	—	72	Top Screw Kit, Chrome Allen	
18-3210	25453-87A	32	Outer Ramp, 1987-99	8909-13	—	73	Side Cover Kit, Chrome Allen	
15-0172	36801-80	33	Gasket, Side Cover, 1980-86	37-8985	—	74	Filler Plug, Chrome	
15-0240	36801-87	33	Gasket, Side Cover, 1987-up	32-9065	33900-59C	75	Neutral Switch, 1979-97	
18-3211	34920-86	34	Coupling	32-0069	33902-98	75	Neutral Switch, 1998-99	
12-0927	11020	35	Retaining Ring	15-0685	33043-80	76	Switch Washer	
17-9850	35076-79	36	Spacer	14-0821	12035A	77	Seal	
12-0557	35078-79	37	Nut, mainshaft/countershaft	37-9133	6497HW	78	Washer	
43-9131	37105-87A	38	Chrome Clutch Release Cover 1987-99 FXST-FLT-Dyna	12-0950	11150	79	Retainer Ring	
17-9846	37109-87A	38	Chrome End Cover 87-94 FXR	17-0966	33715-85A	80	Shift Lever, Chrome 85-96	
43-0131	37104-84	38	Chrome End Cover 80-86 FXR	17-0968	33849-97	80	Shift Lever, Chrome 97-up	
37-8934	734, 739	39	Plug, 1987-97	12-0928	11067	81	Retaining Ring	
40-0498	60328-98A	39	Plug, 1998-up	17-9941	34091-85	82	Inner Race	
43-9136	34468-86A	40	Upper Chrome Cover, 1987-97	17-0594	34091-06	82	Inner Race, 6 Spd	
43-0500	34468-98	40	Upper Chrome Cover, 1998-99	8408-1	35211-36	83	Sprocket Nut	
43-9097	34731-86A	41	1986-88 Trans Case FXST	14-0922	6007	84	Nylon Washer	
43-9096	34732-89A	41	1989-95 Trans Case FXST	12-1172	375	85	Dowel Pin	
43-9148	34732-96	41	1996-up Trans Case FXST	18-3212	8998	86	Ramp Kit includes 29-30-31-32-34	
43-9107	34730-88	41	1987-89 Trans Case FXR	12-1199	609	87	Pin	
43-9108	34730-89C	41	1990-95 Trans Case FXR	14-0149	12045	88	Shift Shaft Seal	
The Cases Include Parts Listed 42-49			42	Mount Stud	12-0959	634	89	Door Pin
12-1197	11733	42	Mount Stud	17-9931	35628-79	90	4th Gear Spacer, 1979-83 only	
12-0339	8977	43	Needle Bearing	12-0212	37523-85D	91	Clutch Hub Key 1985-89	
12-0337	8978	44	Mainshaft Bearing, 1980-83	37-0596	7782-92	92	Stud Nut	
12-0361	8996	44	Mainshaft Bearing, 1984-00					
17-9852	33114-79	45	Spacer					
14-0534	11165	46	Seal					
17-0546	33334-79	47	Spacer, Sprocket 1979-84					
17-9851	33334-85	47	Spacer, Sprocket 1985-93					

*Note: 1994-up gears can be used in earlier transmissions but only in matched sets.