

3500 Series Engine Valvetrain - Compatibility Parts Groupings

These lists are for reference only! They are not intended to replace actual part number research or updates for your specific application.

Era	Part	Description
E A R L Y	2102542	Valve, Intake 3/8" Stem 20°
	1219835	Valve, Exhaust 3/8" 45°
	1219839	Valve, Exhaust 3/8 Stem 45°
	1339306	Valve Guide (Intake & Exhaust) 3/8"
	7N1903	Inner Spring, Counter Clockwise Coil, Pink & Blue Stripes
	7N1904	Outer Spring, Clockwise Coil, Pink & Blue Stripes
	1976999	RotoCoil (Intake & Exhaust)
	2A4429	Lock (Intake & Exhaust)
	1302608	Insert, Exhaust 30°
	1302607	Insert, Intake 20°
	1302608	Insert, Exhaust 45°
	1376856	Seal
	2W2662	Spring, Seat
	7N1902	Dowel
	1294181	Bridge
M I D	2102542	Valve, Intake 3/8" Stem 20°
	2102529	Valve, Exhaust 3/8 Stem
	1339306	Valve Guide (Intake & Exhaust) 3/8"
	7N1903	Inner Spring, Counter Clockwise Coil, Pink & Blue Stripes
	7N1904	Outer Spring, Clockwise Coil, Pink & Blue Stripes
	1976999	RotoCoil (Intake & Exhaust)
	2A4429	Lock (Intake & Exhaust)
	1302607	Insert, Intake 20°
	1189491	Insert, Exhaust 45°
	1376856	Seal
	2W2662	Spring, Seat
	7N1902	Dowel
	1294181	Bridge
	7E4609	Valve, Intake 3/8" 30°
	1219839	Valve, Exhaust 3/8 Stem 45°
9Y1847	Valve Guide (Intake & Exhaust) 3/8"	
7N1903	Inner Spring, Counter Clockwise Coil, Pink & Blue Stripes	
7N1904	Outer Spring, Clockwise Coil, Pink & Blue Stripes	
1976999	RotoCoil (Intake & Exhaust)	
2A4429	Lock (Intake & Exhaust)	
7E5862	Insert, Intake 30°	
1W1801	Insert, Exhaust 30°	
1376856	Seal	
2W2662	Spring, Seat	
7N1902	Dowel	
1294181	Bridge	

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Era	Part	Description	
M I D	7E4609	Valve (Intake & Exhaust) 3/8" 30°	
	9Y1847	Valve Guide (Intake & Exhaust) 3/8"	
	7N1903	Inner Spring, Counter Clockwise Coil, Pink & Blue Stripes	
	7N1904	Outer Spring, Clockwise Coil, Pink & Blue Stripes	
	1976999	RotoCoil (Intake & Exhaust)	
	2A4429	Lock (Intake & Exhaust)	
	7E5862	Insert, Intake 30°	
	1W1801	Insert, Exhaust 30°	
	1376856	Seal	
	2W2662	Spring, Seat	
	7N1902	Dowel	
	1294181	Bridge	
	Separator		
		2102542	Valve, Intake 3/8" Stem 20°
		1944897	Valve, Exhaust 1/2" Stem 45°
		1339306	Valve Guide 3/8"
		1976995	Valve Guide 1/2"
		1944902	Inner Spring, Clockwise Coil, Green & Orange Stripes
		2816157	Outer Spring, Counter Clockwise Coil, White Stripe
		1977062	RotoCoil (Intake) 3/8"
		2348777	RotoCoil (Intake & Exhaust)...See "Note A" below
		1977063	RotoCoil (Exhaust) 1/2"
		2A4429	Lock (Intake) 3/8"
		1977055	Lock (Exhaust) 1/2"
		1302607	Insert, Intake 20°
		1302608	Insert, Exhaust 45°
	1977006	Seal 3/8"	
	3090962	Washer	
	2390689	Dowel Note B	
	2657537	Bridge (Intake) Floating	
	2657538	Bridge (Exhaust) Floating	
	Note A:	Only Required On 3500 Locomotive. 2348777 is serviced by 1977063 RotoCoil, & 2348776 Shield	
	Note B:	Only required on 3500MUI. Because of the force applied to the fuel injector by the rack, the 2390689 dowel is required for orientation of the fuel injector	
Separator			
L A T E		2102542	Valve, Intake 3/8" Stem 20°
		1944897	Valve, Exhaust 1/2" Stem 45°
		1339306	Valve Guide 3/8"
		1976995	Valve Guide 1/2"
		3165977*	Inner Spring, Counter Clockwise Coil, Yellow Stripe
		3165976*	Outer Spring, Clockwise Coil, Yellow Stripe
		3165978*	RotoCoil (Intake)
		3165979*	RotoCoil (Exhaust)
		2A4429	Lock (Intake) 3/8"
		1977055	Lock (Exhaust) 1/2"
		1302607	Insert, Intake 20°
		1302608	Insert, Exhaust 45°
		3165980*	Seal
		3165981*	Washer (Exhaust)
		2657537	Bridge (Intake) Floating
		2657538	Bridge (Exhaust) Floating
		*Note:	These parts must be used in conjunction with each other. Mixing with former designs will cause engine damage and/or failure