



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°
	1376856	Insert, Exhaust 45°
	2W2662	Seal Spring,
	7N1902	Seat Dowel
	1294181	Bridge
	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
M I D		



Era	Part	Description
M I D	7E4609	Valve Guide (Intake & Exhaust) 3/8"
	9Y1847	Inner Spring, Counter Clockwise Coil, Pink & Blue Stripes
	7N1903	Outer Spring, Clockwise Coil, Pink & Blue Stripes RotoCoil
	7N1904	(Intake & Exhaust)
	1976999	Lock (Intake & Exhaust)
	2A4429	Insert, Intake 30° Insert,
	7E5862	Exhaust 30°
	1W1801	Seal Spring,
	1376856	Seat
	2W2662	Dowel Bridge
	7N1902	
	1294181	
	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)... <i>See "Note A" below</i>
L A T E	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 Bridge (Intake)
	2657537	Floating Bridge (Exhaust) Floating
	2657538	
	Note A: Only Required On 3500 Locomotive. 2348777 is serviced by 1977063 RotoCoil, & 2348776 Shield Only required on 3500MUI. Because of the force applied to the fuel injector by the rack, the 2390689 dowel is required for orientation of Note B:	
	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