

# Offset Gear Reduction (OSGR) Reman Starter

## FEATURES & BENEFITS

- OSGR allows mounting where straight drive and planetary gear starters will not fit the application
- 100% replacement of critical components: bearings, bushings, solenoids, seals, brushes
- Units upgraded during remanufacturing to the most recent revision level
- All replacement parts meet or exceed OE specifications
- Remanufactured to OE requirements
- 100% performance testing to OE standards
- Reman product offering for value level price point
- Warranty: 1 year/unlimited miles



## KEY NAMEPLATE APPLICATIONS

- Case
- Chevrolet
- Freightliner
- GMC
- Hino
- Isuzu
- Kenworth
- Terex

Visit Support at [delcoremy.com](http://delcoremy.com) to view the Application Guide

## SPECIFICATIONS BY PART NUMBER

Part #	Power (kw)	Engine Size	Rotation	Mounting	Pinion (teeth)	Weight (lbs/kg)	Voltage	Engagement
61010421	2.7	7.2L	Clockwise	Flange	13	20.2 / 9.2	12	Positive Shift
61007503	2.7	6.8L	Clockwise	Flange	10	20.2 / 9.2		
61007504	4.8	8.3L	Clockwise	SAE 3	10	25.1 / 11.4		
61007505	3.0	5.2L	Counter Clockwise	Flange	11	25.4 / 11.5		
61007506	4.0	7.8L	Clockwise	Flange	11	24.8 / 11.2		
61007507	2.5	5.3L	Clockwise	Flange	11	20.4 / 9.3		
61007508	4.0	7.7L	Clockwise	Flange	11	25.5 / 11.6		
61007509	4.8	8.0L	Clockwise	Flange	11	25.5 / 11.6		
61007510	2.5	4.7L	Clockwise	SAE 1	11	20.2 / 9.2		
61007511	3.0	6.5L	Clockwise	Flange	11	25.1 / 11.4		
61007512	3.0	7.8L	Clockwise	Flange	11	24.5 / 11.1		
61007513	3.0	4.8L	Counter Clockwise	Flange	11	24.6 / 11.2		

## CROSS REFERENCE GUIDE

Part #	Source	BorgWarner Part #	Part #	Source	BorgWarner Part #	Part #	Source	BorgWarner Part #	Part #	Source	BorgWarner Part #
104452A1	CASE	61010421	228000-1951	DENSO	61010421	28100-2911B	HINO	61007510	8971740430	ISUZU	61007511
104452A2	CASE	61010421	228000-1953	DENSO	61010421	28100-2920	HINO	61007508	8972077860	ISUZU	61007505
104452A2R	CASE	61010421	228000-2800	DENSO	61007512	28100-2920R	HINO	61007508	8972077861	ISUZU	61007505
12596914	GM	61007506	228000-2801	DENSO	61007512	28100-2921	HINO	61007508	8972077862	ISUZU	61007505
128000-0210	DENSO	61010421	228000-2802	DENSO	61007512	28100-2921A	HINO	61007508	8975002310	ISUZU	61007512
128000-0211	DENSO	61010421	228000-2803	DENSO	61007512	28100-2921AX	HINO	61007508	8975003580	ISUZU	61007512
128000-0212	DENSO	61010421	228000-2804	DENSO	61007512	2900578600	ISUZU	61007513	8975003581	ISUZU	61007512
128000-0213	DENSO	61010421	228000-2805	DENSO	61007512	2901232000	ISUZU	61007505	8975003582	ISUZU	61007512
128000-0214	DENSO	61010421	228000-2806	DENSO	61007512	2901239100	ISUZU	61007513	91-29-5108	WILSON	61007511
128000-0215	DENSO	61010421	228000-2807	DENSO	61007512	2911234200	ISUZU	61007512	91-29-5138	WILSON	61010421
128000-0216	DENSO	61010421	228000-4670	DENSO	61010421	2912559020	ISUZU	61007511	91-29-5441	WILSON	61007512
128000-0490	DENSO	61007511	228000-4681	DENSO	61010421	2912559021	ISUZU	61007511	91-29-5464	WILSON	61007504
128000-0491	DENSO	61007511	228000-5600	DENSO	61007504	3283813	CUMMINS	61007504	91-29-5515	WILSON	61007505
128000-0492	DENSO	61007511	228000-5601	DENSO	61007504	3675245	CUMMINS	61007504	91-29-5518	WILSON	61007509
128000-0494	DENSO	61007511	228000-5602	DENSO	61007504	3675245RX	CUMMINS	61007504	91-29-5519	WILSON	61007507
128000-0540	DENSO	61010421	228000-5603	DENSO	61007504	3904466	CUMMINS	61010421	91-29-5530	WILSON	61007513
128000-0541	DENSO	61010421	228000-5620	DENSO	61007504	3906960	CUMMINS	61010421	91-29-5581	WILSON	61010421
128000-0542	DENSO	61010421	228000-5621	DENSO	61007504	3920403	CUMMINS	61010421	91-29-5616	WILSON	61010421
128000-0543	DENSO	61010421	228000-5622	DENSO	61007504	3920643	CUMMINS	61010421	91-29-5683	WILSON	61007503
128000-0544	DENSO	61010421	228000-6260	DENSO	61007509	3926960	CUMMINS	61010421	91-29-5867	WILSON	61007510
128000-0545	DENSO	61010421	228000-6261	DENSO	61007509	3957586	CUMMINS	61010421	91-29-5868	WILSON	61007508
128000-1494	DENSO	61007511	228000-6380	DENSO	61007507	3957589	CUMMINS	61007504	91-29-5880	WILSON	61007506
128000--2270	DENSO	61010421	228000-6381	DENSO	61007507	3957594	CUMMINS	61010421	94052837	GM	61007512
128000-2273	DENSO	61010421	228000-6383	DENSO	61007507	3964427	CUMMINS	61010421	9712809-049	DENSO	61007511
128080-0540	DENSO	61010421	228000-6390	DENSO	61007504	3964428	CUMMINS	61010421	9717809-049	DENSO	61007511
128080-0543	DENSO	61010421	228000-6391	DENSO	61007504	3964432	CUMMINS	61010421	97207786	GM	61007505
128080-0544	DENSO	61010421	228000-6510	DENSO	61007504	3971610	CUMMINS	61007503	97320909	GM	61007505
15750369	GM	61007506	228000-6511	DENSO	61007504	3971613	CUMMINS	61007503	97500231	GM	61007512
16881	LESTER	61007511	228000-6980	DENSO	61010421	3971615	CUMMINS	61007503	97500309	GM	61007512
16990	LESTER	61010421	228000-6981	DENSO	61010421	428000-0190	DENSO	61010421	97500358	GM	61007512
17372	LESTER	61010421	228000-7000	DENSO	61007513	428000-0191	DENSO	61010421	97715034	GM	61007512
17389	LESTER	61010421	228000-7001	DENSO	61007513	428000-1850	DENSO	61010421	97715054	GM	61007512
1811002340	ISUZU	61007511	228000-7002	DENSO	61007513	428000-1860	DENSO	61010421	97728666	GM	61007505
1811002341	ISUZU	61007511	228000-7003	DENSO	61007513	428000-1870	DENSO	61010421	9792280970	ISUZU	61007513
1811002342	ISUZU	61007511	228000-7004	DENSO	61007513	428000-2500	DENSO	61007510	A170745	CASE	61010421
1811002990	ISUZU	61007512	228000--7340	DENSO	61010421	428000-2501	DENSO	61007510	A170746	CASE	61010421
1811002991	ISUZU	61007512	228000-7341	DENSO	61010421	428000-2502	DENSO	61007510	A170756	CASE	61010421
18136	LESTER	61007512	228000-7342	DENSO	61010421	428000-2503	DENSO	61007510	AR170746	CASE	61010421
18343	LESTER	61007504	228000-8180	DENSO	61007505	428000-2510	DENSO	61007508	S-80079	DIXIE	61007509
18407	LESTER	61007513	228000-8181	DENSO	61007505	428000-2511	DENSO	61007508	S-80080	DIXIE	61007507
18408	LESTER	61007504	228000-8182	DENSO	61007505	428000-2910	DENSO	61007503	S-80086	DIXIE	61007505
18500	LESTER	61007505	228000-9760	DENSO	61007506	428000-2920	DENSO	61007503	S-80166	DIXIE	61010421
18516	LESTER	61007509	228000-9761	DENSO	61007506	428080-2870	DENSO	61007503	S-80168	DIXIE	61007513
18936	LESTER	61010421	228080-0624	DENSO	61010421	8125969140	ISUZU	61007506	S-80229	DIXIE	61007503
18937	LESTER	61007507	28100-2520	HINO	61007509	86982709	CASE	61010421	S-80273	DIXIE	61007510
19104	LESTER	61007503	28100-2521	HINO	61007509	86982709R	CASE	61010421	S-80274	DIXIE	61007508
193432A1	CASE	61007504	28100-2521A	HINO	61007509	87350916	CASE	61010421	S-8252	DIXIE	61007511
193432AIR	CASE	61007504	28100-2521B	HINO	61007509	87413500	CASE	61007504	S8254	DIXIE	61010421
193432A2	CASE	61007504	28100-2540	HINO	61007507	87413500R	CASE	61007504	S-8679	DIXIE	61007506
193432A2R	CASE	61007504	28100-2541	HINO	61007507	8971197490	ISUZU	61007511	S-8911	DIXIE	61007504
19618	LESTER	61010421	28100-2541A	HINO	61007507	8971477780	ISUZU	61007513	TG228080-9761	DENSO	61007506
1987559C1	CASE	61010421	28100-2541B	HINO	61007507	8971477781	ISUZU	61007513			
19965	LESTER	61007510	28100-2910	HINO	61007510	8971477782	ISUZU	61007513			
19966	LESTER	61007508	28100-2910B	HINO	61007510	8971477783	ISUZU	61007513			
228000-0621	DENSO	61010421	28100-2910R	HINO	61007510	8971477784	ISUZU	61007513			
228000-1950	DENSO	61010421	28100-2911A	HINO	61007510	8971477785	ISUZU	61007513			

