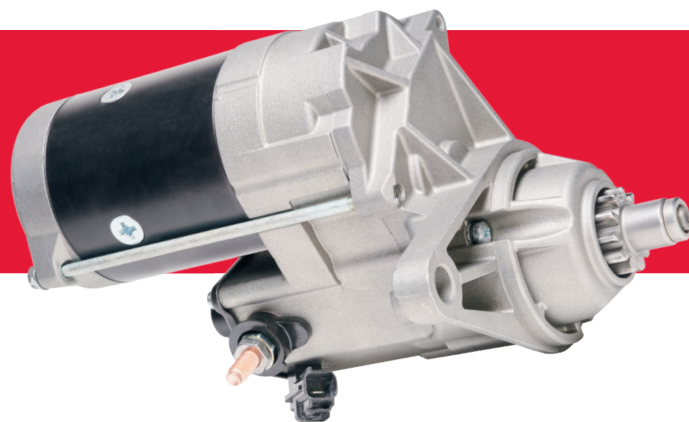




# OSGR

## 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	DELCOREMY PART #
104452A1	CASE	61010421
104452A2	CASE	61010421
104452A2R	CASE	61010421
12596914	GM	61007506
128000-0210	DENSO	61010421
128000-0211	DENSO	61010421
128000-0212	DENSO	61010421
128000-0213	DENSO	61010421
128000-0214	DENSO	61010421
128000-0215	DENSO	61010421
128000-0216	DENSO	61010421
128000-0490	DENSO	61007511
128000-0491	DENSO	61007511
128000-0492	DENSO	61007511
128000-0494	DENSO	61007511
128000-0540	DENSO	61010421
128000-0541	DENSO	61010421
128000-0542	DENSO	61010421
128000-0543	DENSO	61010421
128000-0544	DENSO	61010421
128000-0545	DENSO	61010421
128000-1494	DENSO	61007511
128000--2270	DENSO	61010421
128000-2273	DENSO	61010421
128080-0540	DENSO	61010421
128080-0543	DENSO	61010421
128080-0544	DENSO	61010421
15750369	GM	61007506
16881	LESTER	61007511
16990	LESTER	61010421
17372	LESTER	61010421
17389	LESTER	61010421
1811002340	ISUZU	61007511
1811002341	ISUZU	61007511
1811002342	ISUZU	61007511
1811002990	ISUZU	61007512
1811002991	ISUZU	61007512
18136	LESTER	61007512
18343	LESTER	61007504
18407	LESTER	61007513
18408	LESTER	61007504
18500	LESTER	61007505
18516	LESTER	61007509
18936	LESTER	61010421
18937	LESTER	61007507
19104	LESTER	61007503
193432A1	CASE	61007504
193432A1R	CASE	61007504
193432A2	CASE	61007504
193432A2R	CASE	61007504
19618	LESTER	61010421

PART #	SOURCE	DELCOREMY PART #
1987559C1	CASE	61010421
19965	LESTER	61007510
19966	LESTER	61007508
228000-0621	DENSO	61010421
228000-1950	DENSO	61010421
228000-1951	DENSO	61010421
228000-1953	DENSO	61010421
228000-2800	DENSO	61007512
228000-2801	DENSO	61007512
228000-2802	DENSO	61007512
228000-2803	DENSO	61007512
228000-2804	DENSO	61007512
228000-2805	DENSO	61007512
228000-2806	DENSO	61007512
228000-2807	DENSO	61007512
228000-4670	DENSO	61010421
228000-4681	DENSO	61010421
228000-5600	DENSO	61007504
228000-5601	DENSO	61007504
228000-5602	DENSO	61007504
228000-5603	DENSO	61007504
228000-5620	DENSO	61007504
228000-5621	DENSO	61007504
228000-5622	DENSO	61007504
228000-6260	DENSO	61007509
228000-6261	DENSO	61007509
228000-6380	DENSO	61007507
228000-6381	DENSO	61007507
228000-6383	DENSO	61007507
228000-6390	DENSO	61007504
228000-6391	DENSO	61007504
228000-6510	DENSO	61007504
228000-6511	DENSO	61007504
228000-6980	DENSO	61010421
228000-6981	DENSO	61010421
228000-7000	DENSO	61007513
228000-7001	DENSO	61007513
228000-7002	DENSO	61007513
228000-7003	DENSO	61007513
228000-7004	DENSO	61007513
228000--7340	DENSO	61010421
228000-7341	DENSO	61010421
228000-7342	DENSO	61010421
228000-8180	DENSO	61007505
228000-8181	DENSO	61007505
228000-8182	DENSO	61007505
228000-9760	DENSO	61007506
228000-9761	DENSO	61007506
228080-0624	DENSO	61010421
28100-2520	HINO	61007509
28100-2521	HINO	61007509

PART #	SOURCE	DELCOREMY PART #
28100-2521A	HINO	61007509
28100-2521B	HINO	61007509
28100-2540	HINO	61007507
28100-2541	HINO	61007507
28100-2541A	HINO	61007507
28100-2541B	HINO	61007507
28100-2910	HINO	61007510
28100-2910B	HINO	61007510
28100-2910R	HINO	61007510
28100-2911A	HINO	61007510
28100-2911B	HINO	61007510
28100-2920	HINO	61007508
28100-2920R	HINO	61007508
28100-2921	HINO	61007508
28100-2921A	HINO	61007508
28100-2921AX	HINO	61007508
2900578600	ISUZU	61007513
2901232000	ISUZU	61007505
2901239100	ISUZU	61007513
2911234200	ISUZU	61007512
2912559020	ISUZU	61007511
2912559021	ISUZU	61007511
3283813	CUMMINS	61007504
3675245	CUMMINS	61007504
3675245RX	CUMMINS	61007504
3904466	CUMMINS	61010421
3906960	CUMMINS	61010421
3920403	CUMMINS	61010421
3920643	CUMMINS	61010421
3926960	CUMMINS	61010421
3957586	CUMMINS	61010421
3957589	CUMMINS	61007504
3957594	CUMMINS	61010421
3964427	CUMMINS	61010421
3964428	CUMMINS	61010421
3964432	CUMMINS	61010421
3971610	CUMMINS	61007503
3971613	CUMMINS	61007503
3971615	CUMMINS	61007503
428000-0190	DENSO	61010421
428000-0191	DENSO	61010421
428000-1850	DENSO	61010421
428000-1860	DENSO	61010421
428000-1870	DENSO	61010421
428000-2500	DENSO	61007510
428000-2501	DENSO	61007510
428000-2502	DENSO	61007510
428000-2503	DENSO	61007510
428000-2510	DENSO	61007508
428000-2511	DENSO	61007508
428000-2910	DENSO	61007503
428000-2920	DENSO	61007503
428080-2870	DENSO	61007503
8125969140	ISUZU	61007506
86982709	CASE	61010421
86982709R	CASE	61010421
87350916	CASE	61010421
87413500	CASE	61007504
87413500R	CASE	61007504
8971197490	ISUZU	61007511

PART #	SOURCE	DELCOREMY PART #
8971477780	ISUZU	61007513
8971477781	ISUZU	61007513
8971477782	ISUZU	61007513
8971477783	ISUZU	61007513
8971477784	ISUZU	61007513
8971477785	ISUZU	61007513
8971740430	ISUZU	61007511
8972077860	ISUZU	61007505
8972077861	ISUZU	61007505
8972077862	ISUZU	61007505
8975002310	ISUZU	61007512
8975003580	ISUZU	61007512
8975003581	ISUZU	61007512
8975003582	ISUZU	61007512
91-29-5108	WILSON	61007511
91-29-5138	WILSON	61010421
91-29-5441	WILSON	61007512
91-29-5464	WILSON	61007504
91-29-5515	WILSON	61007505
91-29-5518	WILSON	61007509
91-29-5519	WILSON	61007507
91-29-5530	WILSON	61007513
91-29-5581	WILSON	61010421
91-29-5616	WILSON	61010421
91-29-5683	WILSON	61007503
91-29-5867	WILSON	61007510
91-29-5868	WILSON	61007508
91-29-5880	WILSON	61007506
94052837	GM	61007512
9712809-049	DENSO	61007511
9717809-049	DENSO	61007511
97207786	GM	61007505
97320909	GM	61007505
97500231	GM	61007512
97500309	GM	61007512
97500358	GM	61007512
97715034	GM	61007512
97715054	GM	61007512
97728666	GM	61007505
9792280970	ISUZU	61007513
A170745	CASE	61010421
A170746	CASE	61010421
A170756	CASE	61010421
AR170746	CASE	61010421
S-80079	DIXIE	61007509
S-80080	DIXIE	61007507
S-80086	DIXIE	61007505
S-80166	DIXIE	61010421
S-80168	DIXIE	61007513
S-80229	DIXIE	61007503
S-80273	DIXIE	61007510
S-80274	DIXIE	61007508
S-8252	DIXIE	61007511
S8254	DIXIE	61010421
S-8679	DIXIE	61007506
S-8911	DIXIE	61007504
TG228080-9761	DENSO	61007506

# APPLICATION GUIDE

MODEL	YEAR	ENGINE	PART #	KW	VOLTS	MODEL	YEAR	ENGINE	PART #	KW	VOLTS
<b>Apache</b>						<b>W7500 Forward</b>					
Apache 1000 Series, Sprayer	2004 - 2015	Cummins, ISB 5.9L	61010421	2.7	12	1984 - 1991	Isuzu, 6BD1, 5.8L	61007511	3.0	12	
Apache AS1200, Sprayer	2005 - 2015	Cummins, ISB 5.9L	61010421	2.7	12	1989 - 1994	Isuzu, 6BG1, 6.5L	61007511	3.0	12	
<b>Case</b>						<b>Hino</b>					
1840, Skid Steer	1989 - 2001	Case, 4-390, 3.9L	61010421	2.7	12	145, 165, 185	2005 - 2010	Hino, J05D-TA, 4.7L	61007510	2.5	12
1845C, Skid Steer	1986 - 2001	Case, 4-390, 3.9L	61010421	2.7	12	258LP	2009 - 2010	Hino, J08E-TV, 7.7L	61007508	4.0	12
2188, 2366, 2388 Combines	1997 - 2007	Cummins, 6CTA 8.3L	61007504	4.8	12	268	2005 - 2010	Hino, J08E-TV, 7.7L	61007508	4.0	12
450C, Dozer	1983 - 1993	Case, 4-390, 3.9L	61010421	2.7	12	268A	2008 - 2010	Hino, J08E-TV, 7.7L	61007508	4.0	12
455C, Dozer	1983 - 1993	Case, 4-390, 3.9L	61010421	2.7	12	308	2005 - 2008	Hino, J08E-TV, 7.7L	61007508	4.0	12
480E, 480E II, Loader	1979 - 1994	Case, 4-390, 3.9L	61010421	2.7	12	338	2005 - 2010	Hino, J08E-TV, 7.7L	61007508	4.0	12
480F, 480F II, Loader	1989 - 1994	Case, 4-390, 3.9L	61010421	2.7	12	FA1517, FB1817	1998 - 2004	Hino, J05C-TD, 5.3L	61007507	2.5	12
550, Dozer	1989 - 1991	Case, 4-390, 3.9L	61010421	2.7	12	FD2220	1998 - 2002	Hino, J08C-TP, 8.0L	61007509	4.8	12
550E, Dozer	1992 - 1994	Case, 4-390, 3.9L	61010421	2.7	12	FD2320	2003 - 2004	Hino, J08C-TP, 8.0L	61007509	4.8	12
550G, Dozer	1995 - 2000	Case, 4-390, 3.9L	61010421	2.7	12	FE2620, FF3020, SG3320	1998 - 2004	Hino, J08C-TP, 8.0L	61007509	4.8	12
550H, Dozer	1999	Case, 4-390, 3.9L	61010421	2.7	12	SG3325	1998 - 2004	Hino, J08C-TR 8.0L	61007509	4.8	12
570LXT, Loader	1995 - 2000	Case, 4-390, 3.9L	61010421	2.7	12	<b>Isuzu</b>					
570LXT Series II, Loader	1998	Case, 4-390, 3.9L	61010421	2.7	12	FRR	1995 - 1998	Isuzu, 6HE1, 7.1L	61007512	3.0	12
570MXT, Loader	1998	Case, 4-390, 3.9L	61010421	2.7	12		2000 - 2004	Isuzu, 6HK1, 7.8L	61007512	3.0	12
580K, Loader	1986 - 1994	Case, 4-390, 3.9L	61010421	2.7	12		1987 - 1991	Isuzu, 6BD1, 5.8L	61007511	3.0	12
580L, Loader	1995 - 1999	Case, 4-390, 3.9L	61010421	2.7	12	FSR	1987 - 1994	Isuzu, 6BG1, 6.5L	61007511	3.0	12
8950, Tractor	1997 - 2007	Cummins, 6CTA 8.3L	61007504	4.8	12		1995 - 1998	Isuzu, 6HE1, 7.1L	61007512	3.0	12
9330, Tractor	1995 - 2004	Cummins, 6CTA 8.3L	61007504	4.8	12		1998 - 2002	Isuzu, 6HK1, 7.8L	61007512	3.0	12
MX180, Tractor	1996 - 2006	Cummins, 8.3L	61007504	4.8	12		1988 - 1991	Isuzu, 6BD1, 5.8L	61007511	3.0	12
MX200, MX210, MX220 Tractor	1996 - 2006	Cummins, 8.3L	61007504	4.8	12	FTR	1990 - 1994	Isuzu, 6BG1, 6.5L	61007511	3.0	12
MX240, MX270 Tractor	1997 - 2006	Cummins, 8.3L	61007504	4.8	12		1995 - 1998	Isuzu, 6HE1, 7.1L	61007512	3.0	12
MX285 Tractor	2002 - 2006	Cummins, 8.3L	61007504	4.8	12		1998 - 2011	Isuzu, 6HK1, 7.8L	61007512	3.0	12
SPX4260 Tractor	1998 - 2007	Cummins, 8.3L	61007504	4.8	12	FVR	1989 - 1994	Isuzu, 6BG1, 6.5L	61007511	3.0	12
STX275, STX325 Tractor	2000 - 2007	Cummins, 8.3L	61007504	4.8	12		1995 - 1998	Isuzu, 6HE1, 7.1L	61007512	3.0	12
XL4100 Excavator	1998 - 2003	Cummins, 6CTA 8.3L	61007504	4.8	12		1998 - 2011	Isuzu, 6HK1, 7.8L	61007512	3.0	12
<b>Chevrolet</b>						FXR	2004 - 2011	Isuzu, 6HK1, 7.8L	61007512	3.0	12
C6500 & 7500 Kodiak	2003 - 2009	Isuzu, 6HK1-TC, 7.8L	61007506	4.0	12	HTR, HVR	2005 - 2008	Isuzu, 6HK1, 7.8L	61007512	3.0	12
C8500	2003 - 2009	Isuzu, 6HK1-TC, 7.8L	61007506	4.0	12	HXR	2006	Isuzu, 6HK1, 7.8L	61007512	3.0	12
T6500 & T7500	2003 - 2009	Isuzu, 6HK1-TC, 7.8L	61007506	4.0	12		1986 - 1991	Isuzu, 4BD1, 3.9L	61007511	3.0	12
T8500	2004 - 2009	Isuzu, 6HK1-TC, 7.8L	61007506	4.0	12	NPR	1992 - 1998	Isuzu, 4BD2, 3.9L	61007505	3.0	12
	1995 - 1997	Isuzu, 4BD2, 3.9L	61007511	3.0	12		2005 - 2009	Isuzu, 4HK1, 5.2L	61007505	3.0	12
W3500 Tiltmaster	1998	Isuzu, 4BD2, 3.9L	61007513	3.0	12	NPR-HD	1999 - 2004	Isuzu, 4HE1, 4.8L	61007505	3.0	12
	1999 - 2004	Isuzu, 4HE1, 4.8L	61007505	3.0	12		2005 - 2010	Isuzu, 4HK1, 5.2L	61007505	3.0	12
	1986 - 1991	Isuzu, 4BD1, 3.9L	61007511	3.0	12	NQR	1998 - 2004	Isuzu, 4HE1, 4.8L	61007505	3.0	12
W4500 Tiltmaster	1992 - 1997	Isuzu, 4BD2, 3.9L	61007511	3.0	12		2005 - 2010	Isuzu, 4HK1, 5.2L	61007505	3.0	12
	1998	Isuzu, 4BD2, 3.9L	61007513	3.0	12	NRR	1988 - 1994	Isuzu, 6BG1, 6.5L	61007511	3.0	12
	1999 - 2004	Isuzu, 4HE1, 4.8L	61007505	3.0	12	<b>Kenworth</b>					
	1995 - 1998	Isuzu, 6HE1, 7.1L	61007512	3.0	12	K300	2000 - 2003	Cummins, ISB 5.9L	61010421	2.7	12
W5500 Tiltmaster	1999 - 2004	Isuzu, 4HE1, 4.8L	61007505	3.0	12	T300	1994 - 2004	Caterpillar, 3126 7.2L	61010421	2.7	12
	2000 - 2004	Isuzu, 6HK1-TC, 7.8L	61007506	4.0	12	T300	2000 - 2008	Cummins, ISB 5.9L	61010421	2.7	12
W5500HD Tiltmaster	2004	Isuzu, 4HE1, 4.8L	61007505	3.0	12	<b>Terex</b>					
W6500 & W7500 Tiltmaster	1995 - 1996	Isuzu, 6HE1, 7.1L	61007512	3.0	12	T120C, Generator	2000	Cummins, QSB5-G3 4.5L	61007503	2.7	12
<b>Freightliner</b>						T180C, Generator	2000	Cummins, QSB7-G3 6.69L	61007503	2.7	12
FC80	1999 - 2001	Cummins, ISB 5.9L	61010421	2.7	12	T180J, Generator	2000	John Deere, 6068HF475 6.8L	61007503	2.7	12
FL50, FL60, FL70, FL80	1994 - 1997	Cummins, 6BT 5.9L	61010421	2.7	12	T230J, Generator	2000	John Deere, 6068HF475 6.8L	61007503	2.7	12
	1998 - 2003	Cummins, ISB 5.9L	61010421	2.7	12	T240C, Generator	2000	Cummins, QSB7-G5 6.69L	61007503	2.7	12
<b>GMC</b>						T70C, Generator	2000	Cummins, QSB7-G1 4.5L	61007503	2.7	12
C6500, C7500 & C8500 Topkick	2003 - 2009	Isuzu, 6HK1-TC, 7.8L	61007506	4.0	12	T90C, Generator	2000	Cummins, QSB7-G2 4.5L	61007503	2.7	12
P3500	1989 - 1991	Cummins, 3.9L	61007511	3.0	12	<b>UD Trucks</b>					
T6500 & T7500	1999 - 2009	Isuzu, 6HK1-TC, 7.8L	61007506	4.0	12	1300	2005 - 2007	Nissan, J05D-TA, 4.7L	61007507	2.5	12
	1995 - 1997	Isuzu, 4BD2, 3.9L	61007511	3.0	12		2005 - 2010	Nissan, J05D-TA, 4.7L	61007507	2.5	12
W3500 Forward	1998	Isuzu, 4BD2, 3.9L	61007513	3.0	12	1800HD, 2000, 2300DH, 2300LP, 2600, 3300	2005 - 2010	Nissan, J08E-TE, 7.7L	61007508	4.0	12
	1999 - 2004	Isuzu, 4HE1, 4.8L	61007505	3.0	12						
	1992 - 1997	Isuzu, 4BD2, 3.9L	61007511	3.0	12						
W4500 Forward	1998	Isuzu, 4BD2, 3.9L	61007513	3.0	12						
	1999 - 2004	Isuzu, 4HE1, 4.8L	61007505	3.0	12						
	1988 - 1994	Isuzu, 6BG1, 6.5L	61007511	3.0	12						
W5500 Forward	1999 - 2004	Isuzu, 4HE1, 4.8L	61007505	3.0	12						
	2000 - 2004	Isuzu, 6HK1-TC, 7.8L	61007506	4.0	12						
W5500 HD Forward	2004	Isuzu, 4HE1, 4.8L	61007505	3.0	12						
	1987 - 1991	Isuzu, 6BD1, 5.8L	61007511	3.0	12						
W6500 Forward	1988 - 1994	Isuzu, 6BG1, 6.5L	61007511	3.0	12						



For Customer Service or  
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