



## Ford Cam Tool Application Chart

Year	Model	Engine	Tool Description	Part No.	Ford American Part No.	Ford Global Part No.
1995-1997	Aerostar	3.0L V6	Cam Sensor Synch Tool	6472 (511539)	T95T-12200-A	303-529
1996-1998	Aerostar	4.0L V6	Cam Sensor Synch Tool	6472 (511539)	T95T-12200-A	303-529
2002-2005	Aviator	4.6L 4V	Camshaft Positioning Tool Assembly Camshaft Holding Tool Tensioner Retaining Pin Set	525216 525217 565834	T93P-6256-AHR	303-445 303-446
2003-2005	Aviator	4.6L 4V	Crankshaft Holding Tool	525219	T93P-6303-A	303-448
1995-2002	Continental	4.6L 4V	Camshaft Positioning Tool Assembly Camshaft Holding Tool	525216 525217	T93P-6256-AHR	303-445 303-446
1994-2002	Contour	2.0L 4 cyl. VIN 3	Cam Alignment Tool	6474 (511541)	T94P-6256-CH	303-465
1997-2002	Contour	2.0L 4 cyl. VIN 3	Crankshaft TDC Timing Pin	6475 (511542)	T97P-6000-A	303-574
1999-2002	Cougar	2.0L VIN 3	Cam Alignment Tool Crankshaft TDC Timing Pin	6474 (511541) 6475 (511542)	T94P-6256-CH T97P-6000-A	303-465 303-574
1997	Cougar	3.8L V6	Cam Sensor Synch Tool	6469 (511536)	T96T-12200-A	303-562
1992-2011	Crown Victoria	4.6L	Crankshaft Holding Tool	525219	T93P-6303-A	303-448
1991-2008	Crown Victoria	4.6L 2V V8	Cam Positioning Tool	6009 (511532)	T91P-6256-A	303-380
1992-2008	Crown Victoria	4.6L 2V V8	Cam Positioning Tool	6020 (511555)	T92P-6256-A	303-413
1997-2002	Crown Victoria	4.6L VIN W	Cam Positioning Tool Cam Positioning Tool	6009 (511532) 6020 (511555)	T91P-6256-A T92P-6256-A	303-380 303-413
1997-2008	Econoline	4.2L V6	Cam Sensor Synch Tool	6469 (511536)	T96T-12200-A	303-562
1997-2009	Econoline	4.6L VIN W	Cam Holding Tool Tensioner Retaining Pin Set	6477 (511545) 565834	T96T-6256-B	303-557
1997-2014	Econoline	4.6L VIN W	Cam Positioning Tool	6020 (511555)	T92P-6256-A	303-413
1997-1998	Econoline	4.6L & 5.4L V8, 6.8L V10	Cam Positioning Tool Cam Positioning Tool	6009 (511532) 6020 (511555)	T91P-6256-A T92P-6256-A	303-380 303-413
1997-2002	Econoline	4.6L & 5.4L	Cam Positioning Tool	6476 (511543 & 4)	T96T-6256-AR	303-S568
1997-2002	Econoline	5.4L V8	Cam Holding Tool Tensioner Retaining Pin Set	6477 (511545) 565834	T96T-6256-B	303-557
1997-2002	Econoline	6.8L V10	Cam Positioning Tool Cam Holding Tool Tensioner Retaining Pin Set	6476 (511543 & 4) 6477 (511545) 565834	T96T-6256-AR T96T-6256-B	303-S568 303-557
2012	Edge	2.0L	Crankshaft TDC Timing Pin	567622		303-507
2012-2014	Edge	2.0L VIN 9	Cam Alignment Tool Crankshaft TDC Timing Pin	6474 (511541) 6475 (511542)	T94P-6256-CH T97P-6000-A	303-465 303-574
2007-2014	Edge	3.5L	Camshaft Holding Tool Chain Tensioner Hold Down Tool	567618 567619		303-1248 303-1530
2011-2014	Edge	4.0L	Camshaft Holding Tool Chain Tensioner Hold Down Tool	567618 567619		303-1248 303-1530
2013-2014	Escape	1.6L	VCT Alignment Tool Camshaft Holding Timing Tool Crankshaft TDC Timing Pin	567620 567621 567623		303-1097 303-376B 303-748
2001-2004	Escape	2.0L VIN B	Cam Alignment Tool Crankshaft TDC Timing Pin	6474 (511541) 6475 (511542)	T94P-6256-CH T97P-6000-A	303-465 303-574
2013-2014	Escape	2.0L VIN 9	Cam Alignment Tool Crankshaft TDC Timing Pin	6474 (511541) 6475 (511542)	T94P-6256-CH T97P-6000-A	303-465 303-574
2005-2008	Escape	2.3L	Crankshaft TDC Timing Pin	567622		303-507
2005-2008	Escape	2.3L VIN Z	Cam Alignment Tool	6474 (511541)	T94P-6256-CH	303-465
2009-2012	Escape	2.5L	Crankshaft TDC Timing Pin	567622		303-507
2009-2014	Escape	2.5L VIN 7	Cam Alignment Tool	6474 (511541)	T94P-6256-CH	303-465

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Year	Model	Engine	Tool Description	Part No.	Ford American Part No.	Ford Global Part No.
2005-2008	Escape Hybrid	2.3L VIN H	Cam Alignment Tool	6474 (511541)	T94P-6256-CH	303-465
2009-2012	Escape Hybrid	2.5L VIN 3	Cam Alignment Tool	6474 (511541)	T94P-6256-CH	303-465
1997-2013	E-Series	4.6L, 5.4L, 6.8L	Crankshaft Holding Tool	525219	T93P-6303-A	303-448
2000-2005	Excursion	5.4L, 6.8L	Crankshaft Holding Tool	525219	T93P-6303-A	303-448
1997-2002	Expedition	4.6L VIN W	Cam Positioning Tool Cam Positioning Tool	6009 (511532) 6020 (511555)	T91P-6256-A T92P-6256-A	303-380 303-413
1997-2014	Expedition	4.6L, 5.4L	Crankshaft Holding Tool	525219	T93P-6303-A	303-448
1997-2002	Expedition	5.4L	Cam Positioning Tool Cam Positioning Tool Cam Positioning Tool Cam Holding Tool Tensioner Retaining Pin Set	6009 (511532) 6020 (511555) 6476 (511543 & 4) 6477 (511545) 565834	T91P-6256-A T92P-6256-A T96T-6256-AR T96T-6256-B	303-380 303-413 303-S568 303-557
2005-2012	Expedition	5.4L 3V	Cam Phaser Holding Tool Timing Chain Locking Tool	567614 567617		303-1046 303-1175
2012-2014	Explorer	2.0L VIN 9	Cam Alignment Tool Crankshaft TDC Timing Pin	6474 (511541) 6475 (511542)	T94P-6256-CH T97P-6000-A	303-465 303-574
2011-2014	Explorer	3.5L	Camshaft Holding Tool Chain Tensioner Hold Down Tool	567618 567619		303-1248 303-1530
1996-1998	Explorer	4.0L V6	Cam Sensor Synch Tool	6472 (511539)	T95T-12200-A	303-529
1997-2008	Explorer	4.0L SOHC VIN X	Cam Gear Holding Tool Crankshaft Holding Tool Cam Holding Tool Adapter Cam Holding Tool Cam Gear Holding Tool Adapter Timing Chain Tensioner Tool Cam Gear Bolt Socket & Extension	6478 (511546) 6479 (511547) 6480 (511548) 6481 (511549) 6482 (511550) 6484 (511552) 6485 (511553 & 4)	T97T-6256-B T97T-6303-A T97T-6256-D T97T-6256-C T97T-6256-A T97T-6K254-A T97T-6256-F, -G	303-564 303-573 303-576 303-577 303-578 303-571 303-565, -575
1997-2011	Explorer	4.0L SOHC V6 VIN E	Cam Gear Holding Tool Crankshaft Holding Tool Cam Holding Tool Adapter Cam Holding Tool Cam Gear Holding Tool Adapter Timing Chain Tensioner Tool Cam Gear Bolt Socket & Extension	6478 (511546) 6479 (511547) 6480 (511548) 6481 (511549) 6482 (511550) 6484 (511552) 6485 (511553 & 4)	T97T-6256-B T97T-6303-A T97T-6256-D T97T-6256-C T97T-6256-A T97T-6K254-A T97T-6256-F, -G	303-564 303-573 303-576 303-577 303-578 303-571 303-565, -575
1999-2002	Explorer	4.0L Push Rod V6	Cam Sensor Synch Tool	6483 (511551)		303-638
1997-2002	Explorer	4.6L VIN W	Cam Positioning Tool Cam Positioning Tool	6009 (511532) 6020 (511555)	T91P-6256-A T92P-6256-A	303-380 303-413
2002-2005	Explorer	4.6L	Crankshaft Holding Tool	525219	T93P-6303-A	303-448
2006-2010	Explorer	4.6L 3V	Cam Phaser Holding Tool Timing Chain Locking Tool	567614 567617		303-1046 303-1175
1996-1998	Explorer	5.0L V8	Cam Sensor Synch Tool	6469 (511536)	T96T-12200-A	303-562
1999-2002	Explorer	5.0L V8	Cam Sensor Synch Tool	6470 (511537)		303-630
1993-2004	Ford Series	4.6L VIN V 4.6L VIN H,R,V,Y	Camshaft Positioning Tool Assembly Camshaft Holding Tool	525216 525217	T93P-6256-AHR	303-445 303-446
2011-2014	F-150	3.5L	Camshaft Holding Tool Chain tensioner Hold Down Tool	567618 567619		303-1248 303-1530
2011-2014	F-150	3.7L	Camshaft Holding Tool Chain Tensioner Hold Down Tool	567618 567619		303-1248 303-1530
2011-2012	F-150	4.0L	Camshaft Holding Tool Chain Tensioner Hold Down Tool	567618 567619		303-1248 303-1530
1997-2004	F-150	4.6L VIN 6	Cam Positioning Tool Cam Positioning Tool	6009 (511532) 6020 (511555)	T91P-6256-A T92P-6256-A	303-380 303-413
1997-2010	F-150	4.6L VIN W	Cam Positioning Tool Cam Positioning Tool Crankshaft Holding Tool	6009 (511532) 6020 (511555) 525219	T91P-6256-A T92P-6256-A T93P-6303-A	303-380 303-413 303-448

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Year	Model	Engine	Tool Description	Part No.	Ford American Part No.	Ford Global Part No.
2009-2010	F-150	4.6L 3V	Timing Chain Locking Tool	567617		303-1175
2011-2014	F-150	5.0L	Crankshaft Holding Tool	525219	T93P-6303-A	303-448
1997-2010	F-150	5.4L	Crankshaft Holding Tool	525219	T93P-6303-A	303-448
2004-2010	F-150	5.4L 3V	Cam Phaser Holding Tool Timing Chain Locking Tool	567614 567617		303-1046 303-1175
2006-2014	F-53 Motorhome Chassis	6.8L	Timing Chain Locking Tool Crankshaft Holding Tool	567617 525219	T93P-6303-A	303-1175 303-448
2011-2012	F-59 Commercial Stripped Chassis	6.8L 3V	Timing Chain Locking Tool Crankshaft Holding Tool	567617 525219	T93P-6303-A	303-1175 303-448
1997-2008	F-Series Truck	4.2L	Cam Sensor Synch Tool	6469 (511536)	T96T-12200-A	303-562
1997-1998	F-Series Truck	4.6L	Cam Positioning Tool Cam Positioning Tool	6009 (511532) 6020 (511555)	T91P-6256-A T92P-6256-A	303-380 303-413
1997-2002	F-Series Truck	4.6L	Cam Positioning Tool	6476 (511543 & 4)	T96T-6256-AR	303-S568
1997-2009	F-Series Truck	4.6L VIN W	Cam Holding Tool Tensioner Retaining Pin Set	6477 (511545) 565834	T96T-6256-B	303-557
1997-2002	F-Series Truck	5.4L	Cam Positioning Tool Cam Positioning Tool Cam Positioning Tool Tensioner Retaining Pin Set	6009 (511532) 6476 (511543 & 4) 6020 (511555) 565834	T91P-6256-A T96T-6256-AR T92P-6256-A	303-380 303-S568 303-413
1997-2002	F-Series Truck	5.4L	Cam Holding Tool	6477 (511545)	T96T-6356-B	303-557
1999-2010	F-Super Duty	5.4L	Crankshaft Holding Tool	525219	T93P-6303-A	303-448
1999-2014	F-Super Duty	6.8L	Crankshaft Holding Tool	525219	T93P-6303-A	303-448
2005-2009	F-Super Duty 250-550	5.4L 3V	Cam Phaser Holding Tool Timing Chain Locking Tool	567614 567617		303-1046 303-1175
2005-2009	F-Super Duty 250-550	6.8L 3V	Timing Chain Locking Tool	567617		303-1175
2011-2014	Fiesta	1.6L	VCT Alignment Tool Camshaft Holding Timing Tool Crankshaft TDC Timing Pin	567620 567621 567623		303-1097 303-376B 303-748
2012-2014	Flex	3.5L	Camshaft Holding Tool Chain Tensioner Hold Down Tool	567618 567619		303-1248 303-1530
2012-2014	Focus	2.0L VIN 2	Cam Alignment Tool Crankshaft TDC Timing Pin	6474 (511541) 6475 (511542)	T94P-6256-CH T97P-6000-A	303-465 303-574
2000-2004	Focus	2.0L VIN 3	Cam Alignment Tool Crankshaft TDC Timing Pin	6474 (511541) 6475 (511542)	T94P-6256-CH T97P-6000-A	303-465 303-574
2002-2004	Focus	2.0L VIN 5	Cam Alignment Tool Crankshaft TDC Timing Pin	6474 (511541) 6475 (511542)	T94P-6256-CH T97P-6000-A	303-465 303-574
2005-2011	Focus	2.0L VIN N	Crankshaft TDC Timing Pin	6475 (511542)	T97P-6000-A	303-574
2005-2012	Focus	2.0L VIN N	Cam Alignment Tool	6474 (511541)	T94P-6256-CH	303-465
2005-2012	Focus	2.0L	Crankshaft TDC Timing Pin	567622		303-507
2003-2007	Focus	2.3L VIN Z	Cam Alignment Tool	6474 (511541)	T94P-6256-CH	303-465
2005-2007	Focus	2.3L	Crankshaft TDC Timing Pin	567622		303-507
2004-2007	Freestar	3.9L VIN 6	Cam Sensor Synch Tool	6470 (511537)		303-630
2004-2007	Freestar	4.2L	Cam Sensor Synch Tool	6469 (511536)	T96T-12200-A	303-562
2013-2014	Fusion	1.6L	VCT Alignment Tool Camshaft Holding Timing Tool Crankshaft TDC Timing Pin	567620 567621 567623		303-1097 303-376B 303-748
2013-2014	Fusion	2.0L	Cam Alignment Tool Crankshaft TDC Timing Pin	6474 (511541) 6475 (511542)	T94P-6256-CH T97P-6000-A	303-465 303-574
2006-2009	Fusion	2.3L	Crankshaft TDC Timing Pin	567622		303-507
2006-2009	Fusion	2.3L VIN Z	Cam Alignment Tool	6474 (511541)	T94P-6256-CH	303-465

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Year	Model	Engine	Tool Description	Part No.	Ford American Part No.	Ford Global Part No.
2010-2014	Fusion	2.5L	Crankshaft TDC Timing Pin	567622		303-507
2010-2014	Fusion	2.5L VIN A	Cam Alignment Tool	6474 (511541)	T94P-6256-CH	303-465
2010-2014	Fusion Hybrid	2.5L VIN 3	Cam Alignment Tool	6474 (511541)	T94P-6256-CH	303-465
2010-2012	Fusion Hybrid	3.5L	Camshaft Holding Tool Chain Tensioner Hold Down Tool	567618 567619		303-1248 303-1530
1991-2008	Grand Marquis	4.6L 2V	Cam Positioning Tool	6009 (511532)	T91P-6256-A	303-380
1992-2008	Grand Marquis	4.6L 2V	Cam Positioning Tool	6020 (511555)	T92P-6256-A	303-413
1992-2011	Grand Marquis	4.6L	Crankshaft Holding Tool	525219	T93P-6303-A	303-448
1997-2002	Grand Marquis	4.6L VIN W	Cam Positioning Tool Cam Positioning Tool	6009 (511532) 6020 (511555)	T91P-6256-A T92P-6256-A	303-380 303-413
2005-2006	GT	5.4L 4V	Camshaft Positioning Tool Assembly Camshaft Holding Tool Crankshaft Holding Tool Tensioner Retaining Pin Set	525216 525217 525219 565834	T93P-6256-AHR T93P-6303-A	303-445 303-446 303-448
2000-2006	LS	3.9L	Timing Chain Tensioner Assembly Crankshaft Alignment Tool Camshaft Holding Tool	567611 567613 567649		303-1532 303-645A 303-530
2003-2004	Mach 1	4.6L 4V	Camshaft Positioning Tool Assembly Camshaft Holding Tool Tensioner Retaining Pin Set	525216 525217 565834	T93P-6256-AHR	303-445 303-446
2003-2004	Marauder	4.6L 4V	Camshaft Positioning Tool Assembly Camshaft Holding Tool Tensioner Retaining Pin Set	525216 525217 565834	T93P-6256-AHR	303-445 303-446
2005-2008	Mariner	2.3L	Crankshaft TDC Timing Pin	567622		303-507
2005-2008	Mariner	2.3L VIN Z	Cam Alignment Tool	6474 (511541)	T94P-6256-CH	303-465
2009-2012	Mariner	2.5L	Crankshaft TDC Timing Pin	567622		303-507
2009-2012	Mariner	2.5L VIN 7	Cam Alignment Tool	6474 (511541)	T94P-6256-CH	303-465
2005-2008	Mariner Hybrid	2.3L VIN H	Cam Alignment Tool	6474 (511541)	T94P-6256-CH	303-465
2009-2012	Mariner Hybrid	2.5L VIN 3	Cam Alignment Tool	6474 (511541)	T94P-6256-CH	303-465
2006-2008	Mark LT	5.4L 3V	Cam Phaser Holding Tool Timing Chain Locking Tool Crankshaft Holding Tool Tensioner Retaining Pin Set	567614 567617 525219 565834	T93P-6303-A	303-1046 303-1175 303-448
1993-1998	Lincoln Mark Series	4.6L 4V	Camshaft Positioning Tool Assembly	525216		303-445
2003-2004	Lincoln Mark Series	4.6L 4V	Camshaft Holding Tool	525218		303-1248
2006-2009	Milan	2.3L	Crankshaft TDC Timing Pin	567622		303-507
2006-2009	Milan	2.3L VIN Z	Cam Alignment Tool	6474 (511541)	T94P-6256-CH	303-465
2010-2011	Milan	2.5L	Cam Alignment Tool	6474 (511541)	T94P-6256-CH	303-465
2010-2011	Milan	2.5L	Crankshaft TDC Timing Pin	567622		303-507
2007-2011	Milan	3.5L	Camshaft Holding Tool Chain Tensioner Hold Down Tool	567618 567619		303-1248 303-1530
2010-2012	Milan Hybrid	2.5L VIN 3	Cam Alignment Tool	6474 (511541)	T94P-6256-CH	303-465
2010-2014	MKS	3.5L	Camshaft Holding Tool Chain Tensioner Hold Down Tool	567618 567619		303-1248 303-1530
2009-2014	MKS	3.7L	Camshaft Holding Tool Chain Tensioner Hold Down Tool	567618 567619		303-1248 303-1530
2014	MKT	2.0L	Cam Alignment Tool Crankshaft TDC Timing Pin	6474 (511541) 6475 (511542)	T94P-6256-CH T97P-6000-A	303-465 303-574
2010-2014	MKT	3.5L	Camshaft Holding Tool Chain Tensioner Hold Down Tool	567618 567619		303-1248 303-1530

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Year	Model	Engine	Tool Description	Part No.	Ford American Part No.	Ford Global Part No.
2010-2014	MKT	3.7L	Camshaft Holding Tool Chain Tensioner Hold Down Tool	567618 567619		303-1248 303-1530
2012	MKX	2.0L	Crankshaft TDC Timing Pin	567622		303-507
2012	MKX	2.0L VIN 9	Cam Alignment Tool	6474 (511541)	T94P-6256-CH	303-465
2007-2012	MKX	3.5L	Camshaft Holding Tool Chain Tensioner Hold Down Tool	567618 567619		303-1248 303-1530
2011-2014	MKX	3.7L	Camshaft Holding Tool Chain Tensioner Hold Down Tool	567618 567619		303-1248 303-1530
2011-2012	MKX	4.0L	Camshaft Holding Tool Chain Tensioner Hold Down Tool	567618 567619		303-1248 303-1530
2013-2014	MKZ	2.0L	Cam Alignment Tool Crankshaft TDC Timing Pin	6474 (511541) 6475 (511542)	T94P-6256-CH T97P-6000-A	303-465 303-574
2006-2009	MKZ	2.3L	Crankshaft TDC Timing Pin	567622		303-507
2006-2009	MKZ	2.3L VIN Z	Cam Alignment Tool	6474 (511541)	T94P-6256-CH	303-465
2010-2012	MKZ	2.5L	Crankshaft TDC Timing Pin	567622		303-507
2010-2012	MKZ	2.5L VIN A	Cam Alignment Tool	6474 (511541)	T94P-6256-CH	303-465
2007-2012	MKZ	3.5L	Camshaft Holding Tool Chain Tensioner Hold Down Tool	567618 567619		303-1248 303-1530
2013-2014	MKZ	3.7L	Camshaft Holding Tool Chain Tensioner Hold Down Tool	567618 567619		303-1248 303-1530
2010-2012	MKZ Hybrid	2.5L VIN 3	Cam Alignment Tool	6474 (511541)	T94P-6256-CH	303-465
2004	Monterey	3.9L VIN 6	Cam Sensor Synch Tool	6470 (511537)		303-630
2004-2007	Monterey	4.2L	Cam Sensor Synch Tool	6469 (511536)	T96T-12200-A	303-562
1997-2008	Mountaineer	4.0L SOHC VIN X	Cam Gear Holding Tool Crankshaft Holding Tool Cam Holding Tool Adapter Cam Holding Tool Cam Gear Holding Tool Adapter Timing Chain Tensioner Tool Cam Gear Bolt Socket & Extension	6478 (511546) 6479 (511547) 6480 (511548) 6481 (511549) 6482 (511550) 6484 (511552) 6485 (511553 & 4)	T97T-6256-B T97T-6303-A T97T-6256-D T97T-6256-C T97T-6256-A T97T-6K254-A T97T-6256-F, -G	303-564 303-573 303-576 303-577 303-578 303-571 303-565, -575
1997-2011	Mountaineer	4.0L SOHC V6 VIN E	Cam Gear Holding Tool Crankshaft Holding Tool Cam Holding Tool Adapter Cam Holding Tool Cam Gear Holding Tool Adapter Timing Chain Tensioner Tool Cam Gear Bolt Socket & Extension	6478 (511546) 6479 (511547) 6480 (511548) 6481 (511549) 6482 (511550) 6484 (511552) 6485 (511553 & 4)	T97T-6256-B T97T-6303-A T97T-6256-D T97T-6256-C T97T-6256-A T97T-6K254-A T97T-6256-F, -G	303-564 303-573 303-576 303-577 303-578 303-571 303-565, -575
1999-2002	Mountaineer	4.0L Push Rod V6	Cam Sensor Synch Tool	6483 (511551)		303-638
1997-2005	Mountaineer	4.6L VIN W	Cam Positioning Tool Cam Positioning Tool	6009 (511532) 6020 (511555)	T91P-6256-A T92P-6256-A	303-380 303-413
2002-2005	Mountaineer	4.6L	Crankshaft Holding Tool	525219	T93P-6303-A	303-448
2006-2010	Mountaineer	4.6L 3V	Cam Phaser Holding Tool Timing Chain Locking Tool	567614 567617		303-1046 303-1175
1996-1998	Mountaineer	5.0L V8	Cam Sensor Synch Tool	6469 (511536)	T96T-1220-A	303-562
1999-2002	Mountaineer	5.0L V8	Cam Sensor Synch Tool	6470 (511537)		303-630
2011-2014	Mustang	3.7L	Camshaft Holding Tool Chain Tensioner Hold Down Tool	567618 567619		303-1248 303-1530
1996-1998	Mustang	3.8L V6	Cam Sensor Synch Tool	6469 (511536)	T96T-12200-A	303-562
1999-2004	Mustang	3.8L V6	Cam Sensor Synch Tool	6470 (511537)		303-630

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Year	Model	Engine	Tool Description	Part No.	Ford American Part No.	Ford Global Part No.
2005-2010	Mustang	4.0L SOHC VIN N	Cam Gear Holding Tool Crankshaft Holding Tool Cam Holding Tool Adapter Cam Holding Tool Cam Gear Holding Tool Adapter Timing Chain Tensioner Tool Cam Gear Bolt Socket & Extension	6478 (511546) 6479 (511547) 6480 (511548) 6481 (511549) 6482 (511550) 6484 (511552) 6485 (511553 & 4)	T97T-6256-B T97T-6303-A T97T-6256-D T97T-6256-C T97T-6256-A T97T-6K254-A T97T-6256-F, -G	303-564 303-573 303-576 303-577 303-578 303-571 303-565, -575
2011-2012	Mustang	4.0L	Camshaft Holding Tool Chain Tensioner Hold Down Tool	567618 567619		303-1248 303-1530
1996-2010	Mustang	4.6L	Crankshaft Holding Tool	525219	T93P-6303-A	303-448
1997-2002	Mustang	4.6L VIN W	Cam Positioning Tool Cam Positioning Tool	6009 (511532) 6020 (511555)	T91P-6256-A T92P-6256-A	303-380 303-413
1996-2004	Mustang	4.6L VIN X	Cam Positioning Tool Cam Positioning Tool	6009 (511532) 6020 (511555)	T91P-6256-A T92P-6256-A	303-380 303-413
2003-2004	Mustang	4.6L VIN Y	Cam Positioning Tool Cam Positioning Tool	6009 (511532) 6020 (511555)	T91P-6256-A T92P-6256-A	303-380 303-413
2005-2010	Mustang	4.6L 3V	Cam Phaser Holding Tool Timing Chain Locking Tool	567614 567617		303-1046 303-1175
1996-2001	Mustang	4.6L 4V	Camshaft Positioning Tool Assembly Camshaft Holding Tool Tensioner Retaining Pin Set	525216 525217 565834	T93P-6256-AHR	303-445 303-446
2011-2014	Mustang	5.0L	Crankshaft Holding Tool	525219	T93P-6303-A	303-448
2007-2012	Mustang	5.4L	Crankshaft Holding Tool	525219	T93P-6303-A	303-448
2007-2012	Mustang	5.4L 4V	Camshaft Positioning Tool Assembly Camshaft Holding Tool Tensioner Retaining Pin Set	525216 525217 565834	T93P-6256-AHR	303-445 303-446
2003-2004	Mustang Cobra	4.6L 4V	Camshaft Positioning Tool Assembly Camshaft Holding Tool Tensioner Retaining Pin Set	525216 525217 565834	T93P-6256-AHR	303-445 303-446
1994-2002	Mystique	2.0L 4 cyl. VIN 3	Cam Alignment Tool	6474 (511541)	T94P-6256-CH	303-465
1997-2002	Mystique	2.0L 4 cyl. VIN 3	Crankshaft TDC Timing Tool	6475 (511542)	T97P-6000-A	303-574
1998-1999	Navigator	5.4L	Cam Positioning Tool Cam Positioning Tool	6009 (511532) 6020 (511555)	T91P-6256-A T92P-6256-A	303-380 303-413
1998-2002	Navigator	5.4L	Cam Positioning Tool Cam Holding Tool Tensioner Retaining Pin Set	6476 (511543 & 4) 6477 (511545) 565834	T96T-6256-AR T96T-6256-B	303-S568 303-557
1998-2013	Navigator	5.4L	Crankshaft Holding Tool	525219	T93P-6303-A	303-448
2005-2012	Navigator	5.4L 3V	Cam Phaser Holding Tool Timing Chain Locking Tool Tensioner Retaining Pin Set	567614 567617 565834		303-1046 303-1175
2001-2011	Ranger	2.3L VIN D	Cam Alignment Tool	6474 (511541)	T94P-6256-CH	303-465
2005-2011	Ranger	2.3L	Crankshaft TDC Timing Pin	567622		303-507
1995-1997	Ranger	3.0L V6	Cam Sensor Synch Tool	6472 (511539)	T95T-12200-A	303-529
1998-2008	Ranger	3.0L V6	Cam Sensor Synch Tool	6473 (511540)		303-589
1996-1998	Ranger	4.0L V6	Cam Sensor Synch Tool	6472 (511539)	T95T-12200-A	303-529
1997-2011	Ranger	4.0L SOHC VIN E	Cam Gear Holding Tool Crankshaft Holding Tool Cam Holding Tool Adapter Cam Holding Tool Cam Gear Holding Tool Adapter Timing Chain Tensioner Tool Cam Gear Bolt Socket & Extension	6478 (511546) 6479 (511547) 6480 (511548) 6481 (511549) 6482 (511550) 6484 (511552) 6485 (511553 & 4)	T97T-6256-B T97T-6303-A T97T-6256-D T97T-6256-C T97T-6256-A T97T-6K254-A T97T-6256-F, -G	303-564 303-573 303-576 303-577 303-578 303-571 303-565, -575



## Ford Cam Tool Application Chart

Year	Model	Engine	Tool Description	Part No.	Ford American Part No.	Ford Global Part No.
1997-2008	Ranger	4.0L SOHC VIN X	Cam Gear Holding Tool	6478 (511546)	T97T-6256-B	303-564
			Crankshaft Holding Tool	6479 (511547)	T97T-6303-A	303-573
			Cam Holding Tool Adapter	6480 (511548)	T97T-6256-D	303-576
			Cam Holding Tool	6481 (511549)	T97T-6256-C	303-577
			Cam Gear Holding Tool Adapter	6482 (511550)	T97T-6256-A	303-578
			Timing Chain Tensioner Tool	6484 (511552)	T97T-6K254-A	303-571
			Cam Gear Bolt Socket & Extension	6485 (511553 & 4)	T97T-6256-F, -G	303-565, -575
2003-2011	Ranger	4.0L SOHC	Cam Gear Bolt Socket & Extension	6485 (511553 & 4)	T97T-6256-F, -G	303-565, -575
1999-2000	Ranger	4.0L Push Rod	Cam Sensor Synch Tool	6483 (511551)		303-638
1996-1997	Sable	3.0L V6 2V	Cam Sensor Synch Tool	6472 (511539)	T95T-12200-A	303-529
1998-2005	Sable	3.0L V6 VIN U	Cam Sensor Synch Tool	6473 (511540)		303-589
1998-2006	Sable	3.0L V6 VIN Z	Cam Sensor Synch Tool	6473 (511540)		303-589
2008-2012	Sable	3.5L	Camshaft Holding Tool	567618		303-1248
			Chain Tensioner Hold Down Tool	567619		303-1530
2013-2014	Taurus	2.0L	Cam Alignment Tool	6474 (511541)	T94P-6256-CH	303-465
			Crankshaft TDC Timing Pin	6475 (511542)	T97P-6000-A	303-574
1996-1997	Taurus	3.0L V6 2V	Cam Sensor Synch Tool	6472 (511539)	T95T-12200-A	303-529
1998-2005	Taurus	3.0L V6 VIN U	Cam Sensor Synch Tool	6473 (511540)		303-589
1998-2006	Taurus	3.0L V6 VIN Z	Cam Sensor Synch Tool	6473 (511540)		303-589
2008-2014	Taurus, Taurus X	3.5L	Camshaft Holding Tool	567618		303-1248
			Chain Tensioner Hold Down Tool	567619		303-1530
1997	Thunderbird	3.8L V6	Cam Sensor Synch Tool	6469 (511536)	T96T-12200-A	303-562
2002-2005	Thunderbird	3.9L	Timing Chain Tensioner Assembly	567611		303-532
			Crankshaft Alignment Tool	567613		303-645A
			Camshaft Holding Tool	567649		303-530
1992-2011	Town Car	4.6L	Crankshaft Holding Tool	525219	T93P-6303-A	303-448
1997-2002	Town Car	4.6L VIN W	Cam Positioning Tool	6009 (511532)	T91P-6256-A	303-380
			Cam Positioning Tool	6020 (511555)	T92P-6256-A	303-413
2013-2014	Transit	1.6L	VCT Alignment Tool	567620		303-1097
			Camshaft Holding Timing Tool	567621		303-376B
			Crankshaft TDC Timing Pin	567623		303-748
2010-2012	Transit	2.0L	Crankshaft TDC Timing Pin	567622		303-507
2010-2013	Transit	2.0L VIN N	Cam Alignment Tool	6474 (511541)	T94P-6256-CH	303-465
			Crankshaft TDC Timing Pin	6475 (511542)	T97P-6000-A	303-574
1995-1997	Windstar	3.0L V6	Cam Sensor Synch Tool	6472 (511539)	T95T-12200-A	303-529
1998-2003	Windstar	3.0L V6 VIN U	Cam Sensor Synch Tool	6473 (511540)		303-589
1996-1998	Windstar	3.8L V6	Cam Sensor Synch Tool	6469 (511536)	T96T-12200-A	303-562
1999-2003	Windstar	3.8L V6	Cam Sensor Synch Tool	6470 (511537)		303-630
2006-2009	Zephyr	2.3L	Crankshaft TDC Timing Pin	567622		303-507
2006-2009	Zephyr	2.3L VIN Z	Cam Alignment Tool	6474 (511541)	T94P-6256-CH	303-465



# OTC Cam Tools

FORD ♦ GM ♦ CHRYSLER

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OTC Cam Tools ensure correct cam timing when servicing timing belts, chains, head gaskets, or other valve train repairs.

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## GM In-line 4-Cylinder Cam Tool Set

- Required tools to service camshafts timing on 1987-2006 GM 4 cyl. overhead cam engines.
- Based on OE design.
- Tools organized in blow molded case.

**No. 6685** – GM In-line 4-Cylinder Cam Tool Set.  
Wt., 17 lbs., 8 oz.



6685

## GM In-line 4-Cylinder Cam Tool Application Chart for 6685

Note: Some applications require more than one tool to accomplish the task.

Year	Make	Model	Engine	Tool Description	OTC PN	OE PN
1988-1995	Buick	Skylark	2.3L	Camshaft Sprocket Wrench	527046	J-36013
1990-1991	Oldsmobile	Cutlass Supreme	2.3L	Camshaft Sprocket Wrench	527046	J-36013
1987-1991	Oldsmobile	Calais	2.3L	Camshaft Sprocket Wrench	527046	J-36013
1992-1995	Oldsmobile	Achieva	2.3L	Camshaft Sprocket Wrench	527046	J-36013
1988-1995	Pontiac	Grand Am	2.3L	Camshaft Sprocket Wrench	527046	J-36013
1995	Pontiac	Sunfire	2.3L	Camshaft Sprocket Wrench	527046	J-36013
1996-1998	Buick	Skylark	2.4L	Camshaft Sprocket Wrench	527049	J-39579
1996-2002	Chevrolet	Cavalier	2.4L	Camshaft Sprocket Wrench	527049	J-39579
1996-1998	Oldsmobile	Achieva	2.4L	Camshaft Sprocket Wrench	527049	J-39579
1999-2001	Oldsmobile	Alero	2.4L	Camshaft Sprocket Wrench	527049	J-39579
1996-2001	Pontiac	Grand Am	2.4L	Camshaft Sprocket Wrench	527049	J-39579
1996-2002	Pontiac	Sunfire	2.4L	Camshaft Sprocket Wrench	527049	J-39579
1988-1998	Buick	Skylark	2.3L/2.4L	Camshaft Timing Alignment Pins	527045	J-36008A
1996-2002	Chevrolet	Cavalier	2.3L/2.4L	Camshaft Timing Alignment Pins	527045	J-36008A
1987-1991	Oldsmobile	Calais	2.3L/2.4L	Camshaft Timing Alignment Pins	527045	J-36008A
1990-1991	Oldsmobile	Cutlass Supreme	2.3L/2.4L	Camshaft Timing Alignment Pins	527045	J-36008A
1992-1998	Oldsmobile	Achieva	2.3L/2.4L	Camshaft Timing Alignment Pins	527045	J-36008A
1999-2001	Oldsmobile	Alero	2.3L/2.4L	Camshaft Timing Alignment Pins	527045	J-36008A
1998-2001	Pontiac	Grand Am	2.3L/2.4L	Camshaft Timing Alignment Pins	527045	J-36008A
1995-2002	Pontiac	Sunfire	2.3L/2.4L	Camshaft Timing Alignment Pins	527045	J-36008A
1996-1998	Buick	Skylark	2.4L	Timing Chain Tensioner & Shoe Retainer	532174	NA
1996-2002	Chevrolet	Cavalier	2.4L	Timing Chain Tensioner & Shoe Retainer	532174	NA
1996-1998	Oldsmobile	Achieva	2.4L	Timing Chain Tensioner & Shoe Retainer	532174	NA
1999-2001	Oldsmobile	Alero	2.4L	Timing Chain Tensioner & Shoe Retainer	532174	NA
1996-2001	Pontiac	Grand Am	2.4L	Timing Chain Tensioner & Shoe Retainer	532174	NA
1996-2002	Pontiac	Sunfire	2.4L	Timing Chain Tensioner & Shoe Retainer	532174	NA
1988-1995	Buick	Skylark	2.3L	Timing Chain Tensioner Retainer	532195	J-36589
1987-1991	Oldsmobile	Calais	2.3L	Timing Chain Tensioner Retainer	532195	J-36589
1990-1991	Oldsmobile	Cutlass Supreme	2.3L	Timing Chain Tensioner Retainer	532195	J-36589
1992-1995	Oldsmobile	Achieva	2.3L	Timing Chain Tensioner Retainer	532195	J-36589
1988-1995	Pontiac	Grand Am	2.3L	Timing Chain Tensioner Retainer	532195	J-36589
1995	Pontiac	Sunfire	2.3L	Timing Chain Tensioner Retainer	532195	J-36589
2002-2005	Chevrolet	Cavalier	2.2L vin F	Timing Chain Tensioner Loading Tools	527061-1 & 527061-2	J-45027
2003-2006	Chevrolet	Malibu	2.2L vin F	Timing Chain Tensioner Loading Tools	527061-1 & 527061-2	J-45027
2004-2005	Chevrolet	Malibu Classic	2.2L vin F	Timing Chain Tensioner Loading Tools	527061-1 & 527061-2	J-45027
2002-2004	Oldsmobile	Alero	2.2L vin F	Timing Chain Tensioner Loading Tools	527061-1 & 527061-2	J-45027
2002-2005	Pontiac	Sunfire	2.2L vin F	Timing Chain Tensioner Loading Tools	527061-1 & 527061-2	J-45027
2002-2005	Pontiac	Grand Am	2.2L vin F	Timing Chain Tensioner Loading Tools	527061-1 & 527061-2	J-45027

## GM In-line 4-Cylinder Cam Tool Application Chart for 6685

Note: Some applications require more than one tool to accomplish the task.

Year	Make	Model	Engine	Tool Description	OTC PN	OE PN
2000-2005	Saturn	L Series	2.2L vin F	Timing Chain Tensioner Loading Tools	527061-1 & 527061-2	J-45027
2002-2006	Saturn	Vue	2.2L vin F	Timing Chain Tensioner Loading Tools	527061-1 & 527061-2	J-45027
2003-2006	Saturn	Ion	2.2L vin F	Timing Chain Tensioner Loading Tools	527061-1 & 527061-2	J-45027
2005-2006	Chevrolet	Cobalt	2.2L vin F	Timing Chain Tensioner Loading Tools	527061-1 & 527061-2	J-45027
2005-2006	Chevrolet	Cobalt	2.4L vin B	Timing Chain Tensioner Loading Tools	527061-1 & 527061-2	J-45027
2006	Chevrolet	HHR	2.4L vin B	Timing Chain Tensioner Loading Tools	527061-1 & 527061-2	J-45027
2006	Pontiac	G6	2.4L vin B	Timing Chain Tensioner Loading Tools	527061-1 & 527061-2	J-45027
2006	Pontiac	Pursuit	2.4L vin B	Timing Chain Tensioner Loading Tools	527061-1 & 527061-2	J-45027
2006	Pontiac	Solstice	2.4L vin B	Timing Chain Tensioner Loading Tools	527061-1 & 527061-2	J-45027
2005-2006	Chevrolet	Cobalt	2.0L	Timing Chain Tensioner Loading Tools	527061-1 & 527061-2	J-45027
2002-2005	Chevrolet	Cavalier	2.2L vin F	Camshaft Sprocket Holding Tool	527056	J-43655
2003-2006	Chevrolet	Malibu	2.2L vin F	Camshaft Sprocket Holding Tool	527056	J-43655
2004-2005	Chevrolet	Malibu Classic	2.2L vin F	Camshaft Sprocket Holding Tool	527056	J-43655
2002-2004	Oldsmobile	Alero	2.2L vin F	Camshaft Sprocket Holding Tool	527056	J-43655
2002-2005	Pontiac	Sunfire	2.2L vin F	Camshaft Sprocket Holding Tool	527056	J-43655
2002-2005	Pontiac	Grand Am	2.2L vin F	Camshaft Sprocket Holding Tool	527056	J-43655
2000-2005	Saturn	L Series	2.2L vin F	Camshaft Sprocket Holding Tool	527056	J-43655
2002-2006	Saturn	Vue	2.2L vin F	Camshaft Sprocket Holding Tool	527056	J-43655
2003-2006	Saturn	Ion	2.2L vin F	Camshaft Sprocket Holding Tool	527056	J-43655
2005-2006	Chevrolet	Cobalt	2.2L vin F	Camshaft Sprocket Holding Tool	527056	J-43655
2005-2006	Chevrolet	Cobalt	2.0L	Camshaft Sprocket Holding Tool	527056	J-43655
2005-2006	Chevrolet	Cobalt	2.4L vin B	Camshaft Sprocket Holding Tool	527056	J-43655
2006	Chevrolet	HHR	2.4L vin B	Camshaft Sprocket Holding Tool	527056	J-43655
2006	Pontiac	G6	2.4L vin B	Camshaft Sprocket Holding Tool	527056	J-43655
2006	Pontiac	Pursuit	2.4L vin B	Camshaft Sprocket Holding Tool	527056	J-43655
2006	Pontiac	Solstice	2.4L vin B	Camshaft Sprocket Holding Tool	527056	J-43655
2002-2005	Chevrolet	Cavalier	2.2L vin F	Timing Chain Holders	536186 & 536187	J-44217-1 & J44217-2
2003-2006	Chevrolet	Malibu	2.2L vin F	Timing Chain Holders	536186 & 536187	J-44217-1 & J44217-2
2004-2005	Chevrolet	Malibu Classic	2.2L vin F	Timing Chain Holders	536186 & 536187	J-44217-1 & J44217-2
2002-2004	Oldsmobile	Alero	2.2L vin F	Timing Chain Holders	536186 & 536187	J-44217-1 & J44217-2
2002-2005	Pontiac	Sunfire	2.2L vin F	Timing Chain Holders	536186 & 536187	J-44217-1 & J44217-2
2002-2005	Pontiac	Grand Am	2.2L vin F	Timing Chain Holders	536186 & 536187	J-44217-1 & J44217-2
2000-2005	Saturn	L Series	2.2L vin F	Timing Chain Holders	536186 & 536187	J-44217-1 & J44217-2
2002-2006	Saturn	Vue	2.2L vin F	Timing Chain Holders	536186 & 536187	J-44217-1 & J44217-2
2003-2006	Saturn	Ion	2.2L vin F	Timing Chain Holders	536186 & 536187	J-44217-1 & J44217-2
2005-2006	Chevrolet	Cobalt	2.2L vin F	Timing Chain Holders	536186 & 536187	J-44217-1 & J44217-2
2005-2006	Chevrolet	Cobalt	2.0L	Timing Chain Holders	536186 & 536187	J-44217-1 & J44217-2
2005-2006	Chevrolet	Cobalt	2.4L vin B	Timing Chain Holders	536186 & 536187	J-44217-1 & J44217-2

## GM In-line 4-Cylinder Cam Tool Application Chart for 6685

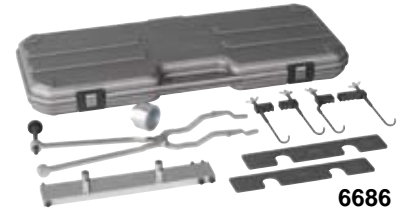
Note: Some applications require more than one tool to accomplish the task.

Year	Make	Model	Engine	Tool Description	OTC PN	OE PN
2006	Chevrolet	HHR	2.4L vin B	Timing Chain Holders	536186 & 536187	J-44217-1 & J44217-2
2006	Pontiac	G6	2.4L vin B	Timing Chain Holders	536186 & 536187	J-44217-1 & J44217-2
2006	Pontiac	Pursuit	2.4L vin B	Timing Chain Holders	536186 & 536187	J-44217-1 & J44217-2
2006	Pontiac	Solstice	2.4L vin B	Timing Chain Holders	536186 & 536187	J-44217-1 & J 44217-2
2004-2006	Chevrolet	Colorado	2.8L	Camshaft Sprocket Holding Tool	536181	J-44222
2004-2006	GMC	Canyon	2.8L	Camshaft Sprocket Holding Tool	536181	J-44222
2004-2006	Chevrolet	Colorado	2.8L	Camshaft Holding Tool	536172	J-44221
2004-2006	GMC	Canyon	2.8L	Camshaft Holding Tool	536172	J-44221
2002-2005	Chevrolet	Cavalier	2.2L vin F	Crankshaft Pulley Holder	536178	J-38122
2003-2006	Chevrolet	Malibu	2.2L vin F	Crankshaft Pulley Holder	536178	J-38122
2004-2005	Chevrolet	Malibu Classic	2.2L vin F	Crankshaft Pulley Holder	536178	J-38122
2002-2004	Oldsmobile	Alero	2.2L vin F	Crankshaft Pulley Holder	536178	J-38122
2002-2005	Pontiac	Sunfire	2.2L vin F	Crankshaft Pulley Holder	536178	J-38122
2002-2005	Pontiac	Grand Am	2.2L vin F	Crankshaft Pulley Holder	536178	J-38122
2000-2005	Saturn	L Series	2.2L vin F	Crankshaft Pulley Holder	536178	J-38122
2002-2006	Saturn	Vue	2.2L vin F	Crankshaft Pulley Holder	536178	J-38122
2003-2006	Saturn	Ion	2.2L vin F	Crankshaft Pulley Holder	536178	J-38122
2005-2006	Chevrolet	Cobalt	2.2L vin F	Crankshaft Pulley Holder	536178	J-38122
2005-2006	Chevrolet	Cobalt	2.0L	Crankshaft Pulley Holder	536178	J-38122
2005-2006	Chevrolet	Cobalt	2.4L vin B	Crankshaft Pulley Holder	536178	J-38122
2006	Chevrolet	HHR	2.4L vin B	Crankshaft Pulley Holder	536178	J-38122
2006	Pontiac	G6	2.4L vin B	Crankshaft Pulley Holder	536178	J-38122
2006	Pontiac	Pursuit	2.4L vin B	Crankshaft Pulley Holder	536178	J-38122
2006	Pontiac	Solstice	2.4L vin B	Crankshaft Pulley Holder	536178	J-38122
1996-1998	Buick	Skylark	2.4L	Crankshaft Pulley Holder	536178	J-38122
1996-2002	Chevrolet	Cavalier	2.4L	Crankshaft Pulley Holder	536178	J-38122
1996-1998	Oldsmobile	Achieva	2.4L	Crankshaft Pulley Holder	536178	J-38122
1999-2001	Oldsmobile	Alero	2.4L	Crankshaft Pulley Holder	536178	J-38122
1996-2001	Pontiac	Grand Am	2.4L	Crankshaft Pulley Holder	536178	J-38122
1996-2002	Pontiac	Sunfire	2.4L	Crankshaft Pulley Holder	536178	J-38122
2004-2006	Chevrolet	Aveo	1.6L	Timing Belt Adjuster	536173	J-42492A
2000-2002	Saturn	SC-2,SL-2, SW-2	1.9L vin 7	Camshaft Holding Tool	536174	J-43299
1999-2002	Saturn	SC-2,SL-2, SW-2	1.9L vin 7	Camshaft Timing Alignment Pins	536254	NA
1999-2002	Saturn	SC-2,SL-2, SW-2	1.9L vin 7	Timing Chain Tensioner Retainer	536255	NA
2004-2006	Chevrolet	Colorado	2.8L	Timing Chain Holder	536265	J-44217-46
2004-2006	GMC	Canyon	2.8L	Timing Chain Holder	536265	J-44217-46

## GM NorthStar V8 Cam Tool Set

- Required tools to service camshaft timing on 2001-2003 4.0L and 1993-2006 4.6L V8 engines.
- Based on OE design.
- Tools in blow molded case.

**No. 6686** – GM NorthStar V8 cam tool kit. Wt., 5 lbs., 1 oz.



## GM NorthStar V8 Cam Tool Application Chart for 6686

Note: Some applications require more than one tool to accomplish the task.

Year	Make	Model	Engine	Tool Description	OTC PN	OE PN
1993-1999	Cadillac	Eldorado Seville	4.6L	Cam Chain Tension Tool	527048	J-38822
1994-1999	Cadillac	Deville Concours	4.6L	Cam Chain Tension Tool	527048	J-38822
2000-2002	Cadillac	Eldorado	4.6L	Crankshaft Rotating Tool	527050	J-39946
2000-2005	Cadillac	Seville Deville	4.6L	Crankshaft Rotating Tool	527050	J-39946
2004-2006	Cadillac	XLR, SRX	4.6L	Crankshaft Rotating Tool	527050	J-39946
2005-2006	Cadillac	STS	4.6L	Crankshaft Rotating Tool	527050	J-39946
2006	Cadillac	DTS	4.6L	Crankshaft Rotating Tool	527050	J-39946
2001-2003	Oldsmobile	Aurora	4.0L	Crankshaft Rotating Tool	527050	J-39946
2000-2002	Cadillac	Eldorado	4.6L	Camshaft Holding Tool	527057	J-44212
2000-2005	Cadillac	Seville Deville	4.6L	Camshaft Holding Tool	527050	J-44212
2004-2006	Cadillac	XLR, SRX	4.6L	Camshaft Holding Tool	527057	J-44212
2005-2006	Cadillac	STS	4.6L	Camshaft Holding Tool	527057	J-44212
2006	Cadillac	DTS	4.6L	Camshaft Holding Tool	527057	J-44212
2001-2003	Oldsmobile	Aurora	4.0L	Camshaft Holding Tool	527057	J-44212
2000-2002	Cadillac	Eldorado	4.6L	Secondary Drive Sprocket Fixture	527058	J-44213
2000-2005	Cadillac	Seville Deville	4.6L	Secondary Drive Sprocket Fixture	527058	J-44213
2004-2006	Cadillac	XLR, SRX	4.6L	Secondary Drive Sprocket Fixture	527058	J-44213
2005-2006	Cadillac	STS	4.6L	Secondary Drive Sprocket Fixture	527058	J-44213
2006	Cadillac	DTS	4.6L	Secondary Drive Sprocket Fixture	527058	J-44213
2004-2006	Pontiac	Bonneville	4.6L	Secondary Drive Sprocket Fixture	527058	J-44213
2006	Buick	Lucerne	4.6L	Secondary Drive Sprocket Fixture	527058	J-44213
2001-2003	Oldsmobile	Aurora	4.0L	Secondary Drive Sprocket Fixture	527058	J-44213
2004-2006	Cadillac	SRX, STS, XLR	4.6L VIN A	Timing Chain Retention Tools	529636	
2004-2006	Cadillac	SRX, STS, XLR	4.6L VIN A	Timing Chain Retention Tools	529637	
2004-2006	Cadillac	SRX, STS, XLR	4.6L VIN A	Timing Chain Retention Tools	529638	
2004-2006	Pontiac	Bonneville GPX	4.6L VIN A	Timing Chain Retention Tools	529636	
2004-2006	Pontiac	Bonneville GPX	4.6L VIN A	Timing Chain Retention Tools	529637	
2004-2006	Pontiac	Bonneville GPX	4.6L VIN A	Timing Chain Retention Tools	529638	

## GM In-line 5, 6, or V6 Cam Tool Set

- Required tools to service camshaft timing on 1999-2006 6 and V6 cyl. GM engines and 2004-2006 5 cyl. GM engines.
- Based on OE design.
- All tools in one organized blow molded case.

**No. 6688** – GM In-line 5, 6, or V6 cam tool set. Wt., 17 lbs., 4 oz.



## GM In-line 5, 6, or V6 Cam Tool Application Chart for 6688

Note: Some applications require more than one tool to accomplish the task.

Year	Make	Model	Engine	Tool Description	OTC PN	OE PN
2005-2006	Buick	Lacrosse	3.6L vin 7	Timing Chain Retention Tools	536589 & 536590	EN-46108
2004-2006	Buick	Rendezvous	3.6L vin 7	Timing Chain Retention Tools	536589 & 536590	EN-46108
2004-2006	Cadillac	CTS	3.6L vin 7	Timing Chain Retention Tools	536589 & 536590	EN-46108
2005-2006	Cadillac	STS	3.6L vin 7	Timing Chain Retention Tools	536589 & 536590	EN-46108
2004-2006	Cadillac	SRX	3.6L vin 7	Timing Chain Retention Tools	536589 & 536590	EN-46108
2004-2006	Cadillac	CTS	2.8L vin T	Timing Chain Retention Tools	536589 & 536590	EN-46108
2005-2006	Buick	Lacrosse	3.6L vin 7	Crankshaft Turning Socket	536588	EN-46111
2004-2006	Buick	Rendezvous	3.6L vin 7	Crankshaft Turning Socket	536588	EN-46111
2004-2006	Cadillac	CTS	3.6L vin 7	Crankshaft Turning Socket	536588	EN-46111
2005-2006	Cadillac	STS	3.6L vin 7	Crankshaft Turning Socket	536588	EN-46111

## GM In-line 5, 6, or V6 Cam Tool Application Chart for 6688

Note: Some applications require more than one tool to accomplish the task.

Year	Make	Model	Engine	Tool Description	OTC PN	OE PN
2004-2006	Cadillac	SRX	3.6L vin 7	Crankshaft Turning Socket	536588	EN-46111
2004-2006	Cadillac	CTS	2.8L vin T	Crankshaft Turning Socket	536588	EN-46111
2005-2006	Buick	Lacrosse	3.6L vin 7	Timing Chain Tensioner Pins	536587	EN-46112
2004-2006	Buick	Rendezvous	3.6L vin 7	Timing Chain Tensioner Pins	536587	EN-46112
2004-2006	Cadillac	CTS	3.6L vin 7	Timing Chain Tensioner Pins	536587	EN-46112
2005-2006	Cadillac	STS	3.6L vin 7	Timing Chain Tensioner Pins	536587	EN-46112
2004-2006	Cadillac	SRX	3.6L vin 7	Timing Chain Tensioner Pins	536587	EN-46112
2004-2006	Cadillac	CTS	2.8L vin T	Timing Chain Tensioner Pins	536587	EN-46112
2005-2006	Buick	Lacrosse	3.6L vin 7	Timing Chain Tensioner Tool	536587	J-45027
2004-2006	Buick	Rendezvous	3.6L vin 7	Timing Chain Tensioner Tool	536587	J-45027
2004-2006	Cadillac	CTS	3.6L vin 7	Timing Chain Tensioner Tool	536587	J-45027
2005-2006	Cadillac	STS	3.6L vin 7	Timing Chain Tensioner Tool	536587	J-45027
2004-2006	Cadillac	SRX	3.6L vin 7	Timing Chain Tensioner Tool	536587	J-45027
2004-2006	Cadillac	CTS	2.8L vin T	Timing Chain Tensioner Tool	536587	J-45027
2005-2006	Buick	Lacrosse	3.6L vin 7	Camshaft Locking Tool	536584 & 586585	EN-46105
2004-2006	Buick	Rendezvous	3.6L vin 7	Camshaft Locking Tool	536584 & 586585	EN-46105
2004-2006	Cadillac	CTS	3.6L vin 7	Camshaft Locking Tool	536584 & 586585	EN-46105
2005-2006	Cadillac	STS	3.6L vin 7	Camshaft Locking Tool	536584 & 586585	EN-46105
2004-2006	Cadillac	SRX	3.6L vin 7	Camshaft Locking Tool	536584 & 586585	EN-46105
2004-2006	Cadillac	CTS	2.8L vin T	Camshaft Locking Tool	536584 & 586585	EN-46105
2002-2004	Oldsmobile	Bravada	4.2L vin S	Camshaft Holding Tool	536172	J-44221
2004-2006	Buick	Rainier	4.2L vin S	Camshaft Holding Tool	536172	J-44221
2002-2006	Chevrolet	Trailblazer	4.2L vin S	Camshaft Holding Tool	536172	J-44221
2002-2006	GMC	Envoy	4.2L vin S	Camshaft Holding Tool	536172	J-44221
2004-2006	Chevrolet	Colorado	3.5L vin 5 5 cylinder	Camshaft Holding Tool	536172	J-44221
2004-2006	GMC	Canyon	3.5L vin 5 5 cylinder	Camshaft Holding Tool	536172	J-44221
2004-2006	Cadillac	CTS	2.8L vin T	Camshaft Sprocket Holding Tool	536181	J-44222
2002-2004	Oldsmobile	Bravada	4.2L vin S	Camshaft Sprocket Holding Tool	536181	J-44222
2004-2006	Buick	Rainier	4.2L vin S	Camshaft Sprocket Holding Tool	536181	J-44222
2002-2006	Chevrolet	Trailblazer	4.2L vin S	Camshaft Sprocket Holding Tool	536181	J-44222
2002-2006	GMC	Envoy	4.2L vin S	Camshaft Sprocket Holding Tool	536181	J-44222
2004-2006	Chevrolet	Colorado	3.5L vin 5 5 cylinder	Camshaft Sprocket Holding Tool	536181	J-44222
2004-2006	GMC	Canyon	3.5L vin 5 5 cylinder	Camshaft Sprocket Holding Tool	536181	J-44222
2004-2006	Cadillac	CTS	2.8L vin T	Timing Chain Retention Tools	536189 & 536187	J-44217
2002-2004	Oldsmobile	Bravada	4.2L vin S	Timing Chain Retention Tools	536189 & 536187	J-44217
2004-2006	Buick	Rainier	4.2L vin S	Timing Chain Retention Tools	536189 & 536187	J-44217
2002-2006	Chevrolet	Trailblazer	4.2L vin S	Timing Chain Retention Tools	536189 & 536187	J-44217
2002-2006	GMC	Envoy	4.2L vin S	Timing Chain Retention Tools	536189 & 536187	J-44217
2004-2006	Chevrolet	Colorado	3.5L vin 5 5 cylinder	Timing Chain Retention Tools	536189 & 536187	J-44217
2004-2006	GMC	Canyon	3.5L vin 5 5 cylinder	Timing Chain Retention Tools	536189 & 536187	J-44217
2001-2004	Chevrolet	Tracker	2.5L	Timing Chain Tensioner Pin	536586	EN-46330
2001-2002	Oldsmobile	Aurora	3.5L vin H	Timing Chain Tensioner Pin	536586	EN-46330
1999-2002	Oldsmobile	Intrigue	3.5L vin H	Timing Chain Tensioner Pin	536586	EN-46330
2001-2002	Oldsmobile	Aurora	3.5L vin H	Camshaft Holding Tool	527051	J-42038
1999-2002	Oldsmobile	Intrigue	3.5L vin H	Camshaft Holding Tool	527051	J-42038
2001-2002	Oldsmobile	Aurora	3.5L vin H	Cam Gear Holding Fixture	527052	J-42042
1999-2002	Oldsmobile	Intrigue	3.5L vin H	Cam Gear Holding Fixture	527052	J-42042
2001-2002	Oldsmobile	Aurora	3.5L vin H	Crankshaft Socket	527055	J-43032
1999-2002	Oldsmobile	Intrigue	3.5L vin H	Crankshaft Socket	527055	J-43032
2004-2005	Saturn	Vue	3.5L vin 4	Camshaft Holding Tool	536583	EN-46337
2004-2005	Saturn	Vue	3.5L vin 4	Timing Chain Tensioner Pin	536586	EN-46330
2004-2005	Saturn	Vue	3.5L vin 4	Timing Belt Tensioner Retainer	536582	EN-46331





**6687**

## GM 6 Cylinder Cam Tool Set

- Required tools to service camshaft timing on GM 1997-2003 3.0 and 3.2 V-6 engines.
- Kit saves shop time when servicing GM 3.0 and 3.2 V-6 engines because all tools are in blow molded case.
- Based on OE design.

**No. 6687** – GM 6 cylinder cam tool set. Wt., 4 lbs., 13 oz.

## GM 6-Cylinder Cam Tool Application Chart for 6687

Note: Some applications require more than one tool to accomplish the task.

Year	Make	Model	Engine	Tool Description	OTC PN	OE PN
2002-2004	Cadillac	CTS	3.2L vin N	Camshaft Locking Tool	536594	J-42069-1
1997-2001	Cadillac	Catera	3.0L vin R	Camshaft Locking Tool	536594	J-42069-1
2000-2005	Saturn	L Series	3.0L vin R	Camshaft Locking Tool	536594	J-42069-1
2002-2003	Saturn	Vue	3.0L vin R	Camshaft Locking Tool	536594	J-42069-1
2000-2003	Saab	9-5	3.0L vin R	Camshaft Locking Tool	536594	J-42069-1
1996-1997	Saab	9000	3.0L vin R	Camshaft Locking Tool	536594	J-42069-1
2002-2004	Cadillac	CTS	3.2L vin N	Camshaft Locking Tool	536595	J-42069-2
1997-2001	Cadillac	Catera	3.0L vin R	Camshaft Locking Tool	536595	J-42069-2
2000-2005	Saturn	L Series	3.0L vin R	Camshaft Locking Tool	536595	J-42069-2
2002-2003	Saturn	Vue	3.0L vin R	Camshaft Locking Tool	536595	J-42069-2
2000-2003	Saab	9-5	3.0L vin R	Camshaft Locking Tool	536595	J-42069-2
1996-1997	Saab	9000	3.0L vin R	Camshaft Locking Tool	536595	J-42069-2
2002-2004	Cadillac	CTS	3.2L vin N	Crankshaft Holding Tool	536596	J-42069-10
1997-2001	Cadillac	Catera	3.0L vin R	Crankshaft Holding Tool	536596	J-42069-10
2000-2005	Saturn	L Series	3.0L vin R	Crankshaft Holding Tool	536596	J-42069-10
2002-2003	Saturn	Vue	3.0L vin R	Crankshaft Holding Tool	536596	J-42069-10
2000-2003	Saab	9-5	3.0L vin R	Crankshaft Holding Tool	536596	J-42069-10
1996-1997	Saab	9000	3.0L vin R	Crankshaft Holding Tool	536596	J-42069-10
2002-2004	Cadillac	CTS	3.2L vin N	Camshaft Alignment Gauge	536608	J-42069-20
1997-2001	Cadillac	Catera	3.0L vin R	Camshaft Alignment Gauge	536608	J-42069-20
2000-2005	Saturn	L Series	3.0L vin R	Camshaft Alignment Gauge	536608	J-42069-20
2002-2003	Saturn	Vue	3.0L vin R	Camshaft Alignment Gauge	536608	J-42069-20
2000-2003	Saab	9-5	3.0L vin R	Camshaft Alignment Gauge	536608	J-42069-20
1996-1997	Saab	9000	3.0L vin R	Camshaft Alignment Gauge	536608	J-42069-20
2002-2004	Cadillac	CTS	3.2L vin N	Timing Belt Installation Tool	536611	J-42069-30
1997-2001	Cadillac	Catera	3.0L vin R	Timing Belt Installation Tool	536611	J-42069-30
2000-2005	Saturn	L Series	3.0L vin R	Timing Belt Installation Tool	536611	J-42069-30
2002-2003	Saturn	Vue	3.0L vin R	Timing Belt Installation Tool	536611	J-42069-30
2000-2003	Saab	9-5	3.0L vin R	Timing Belt Installation Tool	536611	J-42069-30
1996-1997	Saab	9000	3.0L vin R	Timing Belt Installation Tool	536611	J-42069-30
2002-2004	Cadillac	CTS	3.2L vin N	Timing Belt Tensioner Wrench	536612	J-42069-40
1997-2001	Cadillac	Catera	3.0L vin R	Timing Belt Tensioner Wrench	536612	J-42069-40
2000-2005	Saturn	L Series	3.0L vin R	Timing Belt Tensioner Wrench	536612	J-42069-40
2002-2003	Saturn	Vue	3.0L vin R	Timing Belt Tensioner Wrench	536612	J-42069-40
2000-2003	Saab	9-5	3.0L vin R	Timing Belt Tensioner Wrench	536612	J-42069-40
1996-1997	Saab	9000	3.0L vin R	Timing Belt Tensioner Wrench	536612	J-42069-40
2002-2004	Cadillac	CTS	3.2L vin N	Crankshaft socket	536613	MKM-602-21
1997-2001	Cadillac	Catera	3.0L vin R	Crankshaft socket	536613	MKM-602-21
2000-2005	Saturn	L Series	3.0L vin R	Crankshaft socket	536613	MKM-602-21
2002-2003	Saturn	Vue	3.0L vin R	Crankshaft socket	536613	MKM-602-21
2000-2003	Saab	9-5	3.0L vin R	Crankshaft socket	536613	MKM-602-21
1996-1997	Saab	9000	3.0L vin R	Crankshaft socket	536613	MKM-602-21





6489



## Ford Cam Tool Kit

- Based on OE design.

**No. 6489** – Ford master cam tool kit containing all 22 cam tools covering 1992 thru 2006 for over 50 applications, in a molded storage case. Wt., 12 lbs. 5 oz.

## Ford cam tool application chart for No. 6489

Note: Some applications require more than one tool to accomplish the task.

Year	Make & Model	Engine	Tool Description	OTC Part No.	Ford Am. Part No.	Global Part No.
1995–1997	Aerostar	3.0L V6	Cam Sensor Sync Tool	6472	T95T-12200-A	303-529
1996–1998	Aerostar	4.0L V6	Cam Sensor Sync Tool	6472	T95T-12200-A	303-529
1994–2002	Contour	2.0L 4 cyl. DOHC Zetec	Cam Alignment Tool	6474	T94P-6256-CH	303-465
1997–2002	Contour	2.0L 4 cyl. DOHC Zetec	Crankshaft TDC Timing Pin	6475	T97P-6000-A	303-574
1991–1998	Crown Victoria	4.6L 2V V8	Cam Positioning Tool	6009	T91P-6256-A	303-380
1992–1998	Crown Victoria	4.6L 2V V8	Cam Positioning Tool	6020	T92P-6256-A	303-413
1997–2003	Econoline	4.2L V6	Cam Sensor Sync Tool	6469	T96T-12200-A	303-562
1997–1998	Econoline	4.6L & 5.4L V8, 6.8L V10	Cam Positioning Tool	6009	T91P-6256-A	303-380
			Cam Positioning Tool	6020	T92P-6256-A	303-413
1997–2006	Econoline	4.6L & 5.4L	Cam Positioning Tool Set	6476	T96T-6256-AR	303-S568
1997–2006	Econoline	5.4L V8	Cam Holding Tool	6477	T96T-6256-B	303-557
1997–2006	Econoline	6.8L V10	Cam Positioning Tool Set	6476	T96T-6256-AR	303-S568
			Cam Holding Tool	6477	T96T-6256-B	303-557
1997–2006	Econoline	Windsor V8	Cam Holding Tool	6477	T96T-6256-B	303-557
1997–1998	Expedition	5.4L V8	Cam Positioning Tool	6009	T91P-6256-A	303-380
			Cam Positioning Tool	6020	T92P-6256-A	303-413
1997–2004	Expedition	5.4L V8	Cam Positioning Tool Set	6476	T96T-6256-AR	303-S568
			Cam Holding Tool	6477	T96T-6256-B	303-557
1996–1998	Explorer	4.0L V6	Cam Sensor Sync Tool	6472	T95T-12200-A	303-529
1997–2006	Explorer	4.0L SOHC V6	Cam Gear Holding Tool	6478	T97T-6256-B	303-564
			Crankshaft Holding Tool	6479	T97T-6303-A	303-573
			Cam Holding Tool Adapter	6480	T97T-6256-D	303-576
			Cam Holding Tool	6481	T97T-6256-C	303-577
			Cam Gear Hldg Tool Adapter	6482	T97T-6256-A	303-578
			Timing Chain Tensioner Tool	6484	T97T-6K254-A	303-571
			Cam Gear Bolt Socket & Ext.	6485	T97T-6256-F, -G	303-565, -575
1999–2002	Explorer	4.0L Push Rod V6	Cam Sensor Sync Tool	6483		303-638
1996–1998	Explorer	5.0L V8	Cam Sensor Sync Tool	6469	T96T-12200-A	303-562
1999–2002	Explorer	5.0L V8	Cam Sensor Sync Tool	6470		303-630
1997–2003	F-Series Truck	4.2L V6	Cam Sensor Sync Tool	6469	T96T-12200-A	303-562
1997–1998	F-Series Truck	4.6L & 5.4L V8	Cam Positioning Tool	6009	T91P-6256-A	303-380
			Cam Positioning Tool	6020	T92P-6256-A	303-413
1997–2004	F-Series Truck	4.6L & 5.4L	Cam Positioning Tool Set	6476	T96T-6256-AR	303-S568
1997–2004	F-Series Truck	5.4L V8	Cam Holding Tool	6477	T96T-6256-B	303-557
1997–2004	F-Series Truck	Windsor V8	Cam Holding Tool	6477	T96T-6256-B	303-557
1994–1995	Mustang	3.8L V6	Cam Sensor Sync Tool	6467	T89P-12200-A	303-358
1996–1998	Mustang	3.8L V6	Cam Sensor Sync Tool	6469	T96T-12200-A	303-562
1999–2004	Mustang	3.8L V6	Cam Sensor Sync Tool	6470		303-630

## Ford cam tool application chart for No. 6489

Note: Some applications require more than one tool to accomplish the task.

Year	Make & Model	Engine	Tool Description	OTC Part No.	Ford Am. Part No.	Global Part No.
1996–2001	Mustang	4.6L 4V	Camshaft Positioning Tool	525216		303-445
1996–2004	Mustang	4.6L 4V	Camshaft Holding Tool	525217		303-446
1993–1997	Probe	2.0L 4 cyl.	Cam Pulley Holding Tool	6468	T92C-6256-AH	303-398
1989–1997	Ranger	2.3L, 4 cyl. dual plug	Crankshaft Sensor Positioner	6466	T89P-6316-A	303-354
1995–1997	Ranger	3.0L V6	Cam Sensor Sync Tool	6472	T95T-12200-A	303-529
1998–2006	Ranger	3.0L V6	Cam Sensor Sync Tool	6473		303-589
1996–1998	Ranger	4.0L V6	Cam Sensor Sync Tool	6472	T95T-12200-A	303-529
1993–1995	Taurus	3.0L V6	Cam Sensor Sync Tool	6471	T93P-12200-A	303-453
1996–1997	Taurus	3.0L V6 2-valve	Cam Sensor Sync Tool	6472	T95T-12200-A	303-529
1998–2006	Taurus	3.0L V6	Cam Sensor Sync Tool	6473		303-589
1989–1995	Thunderbird	Supercharged 3.8L V6	Cam Sensor Sync Tool	6467	T89P-12200-A	303-358
1990–1995	Thunderbird	3.8L V6	Cam Sensor Sync Tool	6467	T89P-12200-A	303-358
1997	Thunderbird	3.8L V6	Cam Sensor Sync Tool	6469	T96T-12200-A	303-562
1995–1997	Windstar	3.0L V6	Cam Sensor Sync Tool	6472	T95T-12200-A	303-529
1998–2003	Windstar	3.0L V6	Cam Sensor Sync Tool	6473		303-589
1995	Windstar	3.8L V6	Cam Sensor Sync Tool	6467	T89P-12200-A	303-358
1996–1998	Windstar	3.8L V6	Cam Sensor Sync Tool	6469	T96T-12200-A	303-562
1999–2003	Windstar	3.8L V6	Cam Sensor Sync Tool	6470		303-630
1998	Lincoln Navigator	5.4L V8	Cam Positioning Tool	6009	T91P-6256-A	303-380
			Cam Positioning Tool	6020	T92P-6256-A	303-413
1998–2004	Lincoln Navigator	5.4L V8	Cam Positioning Tool Set	6476	T96T-6256-AR	303-S568
			Cam Holding Tool	6477	T96T-6256-B	303-557
1993–1997	Lincoln Mark Series	4.6L 4V	Secondary Timing Chain Tensioner	525218		303-447
1993–1998	Lincoln Mark Series	4.6L 4V	Camshaft Positioning Tool	525216		303-445
			Camshaft Holding Tool	525217		303-446
1995–2002	Lincoln Continental	4.6L 4V	Camshaft Positioning Tool	525216		303-445
			Camshaft Holding Tool	525217		303-446
2003–2005	Lincoln Aviator	4.6L 4V	Camshaft Holding Tool	525217		303-446
1989–1995	Cougar	Supercharged 3.8L V6	Cam Sensor Sync Tool	6467	T89P-12200-A	303-358
1990–1995	Cougar	3.8L V6	Cam Sensor Sync Tool	6467	T89P-12200-A	303-358
1997	Cougar	3.8L V6	Cam Sensor Sync Tool	6469	T96T-12200-A	303-562
1991–1998	Grand Marquis	4.6L 2V V8	Cam Positioning Tool	6009	T91P-6256-A	303-380
1992–1998	Grand Marquis	4.6L 2V V8	Cam Positioning Tool	6020	T92P-6256-A	303-413
1997–2006	Mountaineer	4.0L SOHC V6	Cam Gear Holding Tool	6478	T97T-6256-B	303-564
			Crankshaft Holding Tool	6479	T97T-6303-A	303-573
			Cam Holding Tool Adapter	6480	T97T-6256-D	303-576
			Cam Holding Tool	6481	T97T-6256-C	303-577
			Cam Gear Holding Tool Adapter	6482	T97T-6256-A	303-578
			Timing Chain Tensioner Tool	6484	T97T-6K254-A	303-571
			Cam Gear Bolt Socket & Ext.	6485	T97T-6256-F, -G	303-565, -575
1999–2004	Mountaineer	4.0L Push Rod V6	Cam Sensor Sync Tool	6483		303-638
1996–1998	Mountaineer	5.0L V8	Cam Sensor Sync Tool	6469	T96T-12200-A	303-562
1999–2001	Mountaineer	5.0L V8	Cam Sensor Sync Tool	6470		303-630
1994–2002	Mystique	2.0L 4 cyl. DOHC Zetec	Cam Alignment Tool	6474	T94P-6256-CH	303-465
1997–2002	Mystique	2.0L 4 cyl. DOHC Zetec	Crankshaft TDC Timing Pin	6475	T97P-6000-A	303-574
1993–1995	Sable	3.0L V6	Cam Sensor Sync Tool	6471	T93P-12200-A	303-453
1996–1997	Sable	3.0L V6 2-valve	Cam Sensor Sync Tool	6472	T95T-12200-A	303-529
1998–2004	Sable	3.0L V6	Cam Sensor Sync Tool	6473		303-589
2003–2004	Mercury Marauder	4.6L 4V	Camshaft Positioning Tool	525217		303-446
			Camshaft Holding Tool	525217		303-446

The OTC Ford cam tools ensure correct cam timing when servicing timing belts, chains, head gaskets, or other valve train repairs.

## Ford 4.6L 4-Valve Cam Timing Kit

- Kit includes: Camshaft positioning tool, camshaft holding tool, crankshaft positioning tool, secondary chain tensioner tool.
- Saves time; all tools required for camshaft timing are in one kit.
- Tools in organized blow molded case.
- Based on OE design.
- Required tools to service camshaft timing on 1993-2006 Ford, Lincoln, Mercury vehicles with 4.6L 4 Valve engine.

**No. 6498** – Ford 4.6L 4-valve cam timing kit.  
Wt., 6 lbs., 11 oz.



**6498**

**Ford 4.6L V8 4 valve Cam Timing application chart for 6498** Note: Some applications require more than one tool to accomplish the task.

Year	Make	Model	Engine	Tool Description	OTC PN	OE PN
1993-1998	Lincoln	Mark VIII	4.6L VIN V	Camshaft Positioning Tool	525216	303-445
1995-2002	Lincoln	Contiental	4.6L VIN V	Camshaft Positioning Tool	525216	303-445
1996-2001	Ford	Mustang	4.6L VIN V	Camshaft Positioning Tool	525216	303-445
2003-2004	Mercury	Marauder	4.6L VIN V	Camshaft Positioning Tool	525216	303-445
1993-1998	Lincoln	Mark VIII	4.6L VIN V	Camshaft Holding Tool	525217	303-446
1995-2002	Lincoln	Contiental	4.6L VIN V	Camshaft Holding Tool	525217	303-446
1996-2002	Ford	Mustang	4.6L VIN V	Camshaft Holding Tool	525217	303-446
2003-2004	Ford	Mustang	4.6L VIN Y	Camshaft Holding Tool	525217	303-446
2005-2006	Ford	Mustang	4.6: VIN H	Camshaft Holding Tool	525217	303-446
2003-2004	Mercury	Marauder	4.6L VIN V	Camshaft Holding Tool	525217	303-446
2003-2005	Lincoln	Aviator	4.6L VIN H	Camshaft Holding Tool	525217	303-446
1993-1997	Lincoln	Mark VIII	4.6L VIN V	Secondary Timing Chain Tensioner tool	525218	303-447
1995-1997	Lincoln	Contiental	4.6L VIN V	Secondary Timing Chain Tensioner tool	525218	303-447
1996-1997	Ford	Mustang	4.6L VIN V	Secondary Timing Chain Tensioner tool	525218	303-447
1993-1998	Lincoln	Mark VIII	4.6L VIN V	Crankshaft Positioning Tool	525219	303-448
1995-2002	Lincoln	Contiental	4.6L VIN V	Crankshaft Positioning Tool	525219	303-448
1996-2001	Ford	Mustang	4.6L VIN V	Crankshaft Positioning Tool	525219	303-448
2003-2004	Mercury	Marauder	4.6L VIN V	Crankshaft Positioning Tool	525219	303-448
2003-2004	Ford	Mustang	4.6L VIN Y	Crankshaft Positioning Tool	525219	303-448
2005-2006	Ford	Mustang	4.6: VIN H	Crankshaft Positioning Tool	525219	303-448
2003-2005	Lincoln	Aviator	4.6L VIN H	Crankshaft Positioning Tool	525219	303-448

## Chrysler/Jeep Cam Tool Set

The Chrysler/Jeep cam timing tools are provided to ensure correct cam timing when servicing timing belts, chains, head gaskets, or performing other valve train repairs.

These 15 tools are based on OE designs and are offered to service the following applications:

- Tools organized in blow molded case.
- Required tools to service camshaft timing on 1981-2006 Chrysler/Jeep vehicles.
- Based on OE design.

**No. 6689** – Chrysler/Jeep cam tool set. Wt., 25 lbs.



**6689**

**Chrysler / Jeep Cam Tool application chart for 6689** Note: Some applications require more than one tool to accomplish the task.

Year	Make	Model	Engine	Tool Description	OTC PN	OE PN
1990-2006	Chrysler	Town & Country Van	3.3 L V6	Crankshaft Damper Puller	6667 or 513990	8454
1990-2006	Dodge	Caravan & Grand Caravan	3.3 L V6	Crankshaft Damper Puller	6667 or 513990	8454
1990-2000	Plymouth	Voyager & Grand Voyager	3.3 L V6	Crankshaft Damper Puller	6667 or 513990	8454
1993-1996	Chrysler	Conorde	3.3 L V6	Crankshaft Damper Puller	6667 or 513990	8454
1993-1997	Dodge	Intrepid	3.3 L V6	Crankshaft Damper Puller	6667 or 513990	8454
1993-1997	Chrysler	Conorde	3.5L V6	Crankshaft Damper Puller	6667 or 513990	8454
1993-1997	Dodge	Intrepid	3.5L V6	Crankshaft Damper Puller	6667 or 513990	8454
1994-2006	Chrysler	Town & Country Van	3.8L V6	Crankshaft Damper Puller	6667 or 513990	8454
1994-2006	Dodge	Caravan & Grand Caravan	3.8L V6	Crankshaft Damper Puller	6667 or 513990	8454
1994-2000	Plymouth	Voyager & Grand Voyager	3.8L V6	Crankshaft Damper Puller	6667 or 513990	8454
1994-2006	Dodge	Ram Truck	8.0L V10	Crankshaft Damper Puller	6667 or 513990	8454
1995-2006	Dodge	Neon	2.0L I4	Crankshaft Damper Puller	6667 or 513990	8454
1995-1999	Dodge	Avanger	2.0L I4	Crankshaft Damper Puller	6667 or 513990	8454
1995-2000	Dodge	Avanger	2.5L V6	Crankshaft Damper Puller	6667 or 513990	8454
2003-2006	Dodge	Neon	2.4L I4	Crankshaft Damper Puller	6667 or 513990	8454
1995-1999	Chrysler	Sebring	2.0L I4	Crankshaft Damper Puller	6667 or 513990	8454
1995-2000	Chrysler	Sebring	2.5L V6	Crankshaft Damper Puller	6667 or 513990	8454
1995-2000	Chrysler	Cirrus	2.4L I4	Crankshaft Damper Puller	6667 or 513990	8454
1995-2000	Chrysler	Cirrus	2.5L V6	Crankshaft Damper Puller	6667 or 513990	8454
2001-2006	Chrysler	Sebring	2.4L I4	Crankshaft Damper Puller	6667 or 513990	8454
1995-2001	Plymouth	Neon	2.0L I4	Crankshaft Damper Puller	6667 or 513990	8454
1995-2000	Plymouth	Breeze	2.0L I4	Crankshaft Damper Puller	6667 or 513990	8454
1995-2000	Plymouth	Breeze	2.4L I4	Crankshaft Damper Puller	6667 or 513990	8454
2001-2006	Chrysler	PT Cruiser	2.4L I4	Crankshaft Damper Puller	6667 or 513990	8454
1998-2004	Chrysler	Conorde	2.7L V6	Crankshaft Damper Puller	6667 or 513990	8454
1998-2004	Chrysler	Conorde	3.2L V6	Crankshaft Damper Puller	6667 or 513990	8454
1999-2006	Chrysler	300	3.5L V6	Crankshaft Damper Puller	6667 or 513990	8454
2005-2006	Chrysler	300	2.7L V6	Crankshaft Damper Puller	6667 or 513990	8454
2005-2006	Chrysler	PT Cruiser	2.7L V6	Crankshaft Damper Puller	6667 or 513990	8454
2004-2006	Chrysler	Pacifica	3.5L V6	Crankshaft Damper Puller	6667 or 513990	8454
2006	Dodge	Charger	3.5L V6	Crankshaft Damper Puller	6667 or 513990	8454
2006	Dodge	Charger	2.7L V6	Crankshaft Damper Puller	6667 or 513990	8454
1998-2006	Dodge	Intrepid	2.7L V6	Crankshaft Damper Puller	6667 or 513990	8454
998-2006	Dodge	Intrepid	3.2L V6	Crankshaft Damper Puller	6667 or 513990	8454
2000-2006	Dodge	Dakota	4.7L V8	Crankshaft Damper Puller	6667 or 513990	8454
2000-2006	Dodge	Durango	4.7L V8	Crankshaft Damper Puller	6667 or 513990	8454
1999-2006	Jeep	Grand Cherokee	4.7L V8	Crankshaft Damper Puller	6667 or 513990	8454

## Chrysler / Jeep Cam Tool application chart for 6689

Note: Some applications require more than one tool to accomplish the task.

Year	Make	Model	Engine	Tool Description	OTC PN	OE PN
2006	Jeep	Commander	4.7L V8	Crankshaft Damper Puller	6667 or 513990	8454
1994-1997	Chrysler	New Yorker & LHS	3.5L V6	Crankshaft Damper Puller	6667 or 513990	8454
1993-1997	Chrysler	Conorde	3.5L V6	Camshaft alignment tools	7999 or 522888	6642
1994-1997	Chrysler	New Yorker & LHS	3.5L V6	Camshaft alignment tools	7999 or 522888	6642
1993-1997	Dodge	Intrepid	3.5L V6	Timing Chain Tensioner Reset Tool	522890	8186
2002-2006	Chrysler	Sebring	2.7L V6 vin R	Timing Chain Tensioner Reset Tool	522890	8186
2005-2006	Chrysler	300	2.7L V6 vin R	Timing Chain Tensioner Reset Tool	522890	8186
1998-2004	Dodge	Intrepid	2.7L V6 vin R	Timing Chain Tensioner Reset Tool	522890	8186
2002-2006	Dodge	Stratus	2.7L V6 vin R	Timing Chain Tensioner Reset Tool	522890	8186
2005-2006	Dodge	Magnum	2.7L V6 vin R	Timing Chain Tensioner Reset Tool	522890	8186
2006	Dodge	Charger	2.7L V6 vin R	Timing Chain Tensioner Reset Tool	522890	8186
1999-2006	Jeep	Grand Cherokee	4.7L V8	Timing Chain Wedge	522892	8350
2006	Jeep	Commander	4.7L V8	Timing Chain Wedge	522892	8350
2000-2006	Dodge	Durango	4.7L V8	Timing Chain Wedge	522892	8350
2000-2006	Dodge	Dakota	4.7L V8	Timing Chain Wedge	522892	8350
2002-2006	Dodge	Ram Truck	4.7L V8	Timing Chain Wedge	522892	8350
2002-2006	Jeep	Liberty	3.7L V6	Timing Chain Wedge	522893	8379
2004-2006	Jeep	Grand Cherokee	3.7L V6	Timing Chain Wedge	522893	8379
2002-2006	Dodge	Ram Truck	3.7L V6	Timing Chain Wedge	522893	8379
2004-2006	Dodge	Dakota	3.7L V6	Timing Chain Wedge	522893	8379
2004-2006	Dodge	Durango	3.7L V6	Timing Chain Wedge	522893	8379
2002-2006	Jeep	Liberty	3.7L V6	Camshaft Wrench	522894	8428
2004-2006	Jeep	Grand Cherokee	3.7L V6	Camshaft Wrench	522894	8428
2002-2006	Dodge	Ram Truck	3.7L V6	Camshaft Wrench	522894	8428
2004-2006	Dodge	Dakota	3.7L V6	Camshaft Wrench	522894	8428
2004-2006	Dodge	Durango	3.7L V6	Camshaft Wrench	522894	8428
1999-2006	Jeep	Grand Cherokee	4.7L V8	Idler Shaft Remover	522896	8517
2006	Jeep	Commander	4.7L V8	Idler Shaft Remover	522896	8517
2000-2006	Dodge	Durango	4.7L V8	Idler Shaft Remover	522896	8517
2000-2006	Dodge	Dakota	4.7L V8	Idler Shaft Remover	522896	8517
2002-2006	Dodge	Ram Truck	4.7L V8	Idler Shaft Remover	522896	8517
1999-2006	Jeep	Grand Cherokee	4.7L V8	Tensioner lock pin	522897	8514
2006	Jeep	Commander	4.7L V8	Tensioner lock pin	522897	8514
2000-2006	Dodge	Durango	4.7L V8	Tensioner lock pin	522897	8514
2000-2006	Dodge	Dakota	4.7L V8	Tensioner lock pin	522897	8514
2002-2006	Dodge	Ram Truck	4.7L V8	Tensioner lock pin	522897	8514
2001-2005	Chrysler	Sebring	2.4L I4 vin G	Camshaft Holding Pins	522898	8599
2001-2005	Dodge	Stratus	2.4L I4 vin G	Camshaft Holding Pins	522898	8599
2001-2005	Chrysler	Sebring	3.0L V6 vin H	Camshaft Holding Pins	522898	8599
2001-2005	Dodge	Stratus	3.0L V6 vin H	Camshaft Holding Pins	522898	8599
1981-1988	Dodge	Omni	2.2 L I4	Timing Belt Tensioner	7695 or 522899	C-4703
1981-1989	Dodge	Aries	2.2 L I4	Timing Belt Tensioner	7695 or 522899	C-4703
1982-1983	Dodge	400	2.2 L I4	Timing Belt Tensioner	7695 or 522899	C-4703
1983-1988	Dodge	600	2.2 L I4	Timing Belt Tensioner	7695 or 522899	C-4703
1984-1986	Dodge	Charger	2.2 L I4	Timing Belt Tensioner	7695 or 522899	C-4703
1984-1989	Dodge	Daytona	2.2 L I4	Timing Belt Tensioner	7695 or 522899	C-4703
1984-1987	Dodge	Caravan & Grand Caravan	2.2 L I4	Timing Belt Tensioner	7695 or 522899	C-4703
1983-1990	Dodge	Shelby	2.2 L I4	Timing Belt Tensioner	7695 or 522899	C-4703
1987-1994	Dodge	Shadow	2.2 L I4	Timing Belt Tensioner	7695 or 522899	C-4703
1985-1989	Dodge	Lancer	2.2 L I4	Timing Belt Tensioner	7695 or 522899	C-4703
1986-1993	Dodge	Daytona	2.2 L I4	Timing Belt Tensioner	7695 or 522899	C-4703



## Chrysler / Jeep Cam Tool application chart for 6689

Note: Some applications require more than one tool to accomplish the task.

Year	Make	Model	Engine	Tool Description	OTC PN	OE PN
1986-1989	Dodge	Aries	2.5 L I4	Timing Belt Tensioner	7695 or 522899	C-4703
1986-1988	Dodge	600	2.5 L I4	Timing Belt Tensioner	7695 or 522899	C-4703
1987-1989	Dodge	Lancer	2.5 L I4	Timing Belt Tensioner	7695 or 522899	C-4703
1987-1995	Dodge	Caravan & Grand Caravan	2.5 L I4	Timing Belt Tensioner	7695 or 522899	C-4703
1988-1991	Dodge	Shelby	2.5 L I4	Timing Belt Tensioner	7695 or 522899	C-4703
1988-1993	Dodge	Dynasty	2.5 L I4	Timing Belt Tensioner	7695 or 522899	C-4703
1989-1994	Dodge	Shadow	2.5 L I4	Timing Belt Tensioner	7695 or 522899	C-4703
1989-1995	Dodge	Spirit	2.5 L I4	Timing Belt Tensioner	7695 or 522899	C-4703
1982-1990	Chrysler	Lebaron	2.2 L I4	Timing Belt Tensioner	7695 or 522899	C-4703
1983-1988	Chrysler	New Yorker	2.2 L I4	Timing Belt Tensioner	7695 or 522899	C-4703
1984-1986	Chrysler	Laser	2.2 L I4	Timing Belt Tensioner	7695 or 522899	C-4703
1986-1993	Chrysler	Lebaron	2.5 L I4	Timing Belt Tensioner	7695 or 522899	C-4703
1986-1987	Chrysler	New Yorker	2.5 L I4	Timing Belt Tensioner	7695 or 522899	C-4703
1981-1989	Plymouth	Horizon	2.2 L I4	Timing Belt Tensioner	7695 or 522899	C-4703
1981-1989	Plymouth	Reliant	2.2 L I4	Timing Belt Tensioner	7695 or 522899	C-4703
1984-1988	Plymouth	Voyager	2.2 L I4	Timing Belt Tensioner	7695 or 522899	C-4703
1982-1986	Plymouth	Turismo	2.2 L I4	Timing Belt Tensioner	7695 or 522899	C-4703
1989-1994	Plymouth	Sundance	2.2 L I4	Timing Belt Tensioner	7695 or 522899	C-4703
1986-1988	Plymouth	Caravelle	2.5 L I4	Timing Belt Tensioner	7695 or 522899	C-4703
1986-1989	Plymouth	Reliant	2.5 L I4	Timing Belt Tensioner	7695 or 522899	C-4703
1987-1995	Plymouth	Voyager	2.5 L I4	Timing Belt Tensioner	7695 or 522899	C-4703
1987-1994	Plymouth	Sundance	2.5 L I4	Timing Belt Tensioner	7695 or 522899	C-4703
1990-1995	Plymouth	Acclaim	2.5 L I4	Timing Belt Tensioner	7695 or 522899	C-4703
1989-1995	Dodge	Colt	2.4L I4	Timing Belt Tensioner	522900A	MD-998738
1989-1995	Eagle	Summit	2.4L I4	Timing Belt Tensioner	522900A	MD-998738
1991-1997	Dodge	Stealth	3.0L V6	Timing Belt Wrench	7997 or 522901	MD-998767
1992-1994	Eagle	Summit	2.4L I4	Timing Belt Wrench	7997 or 522901	MD-998767
1992-1994	Dodge	Colt	2.4L I4	Timing Belt Wrench	7997 or 522901	MD-998767
1984-1991	Dodge	Colt	2.0L I4	Timing Belt Wrench	7997 or 522901	MD-998767
1999-2006	Jeep	Grand Cherokee	4.7L V8	Secondary Timing Chain Holder	522902	8515
2006	Jeep	Commander	4.7L V8	Secondary Timing Chain Holder	522902	8515
2000-2006	Dodge	Durango	4.7L V8	Secondary Timing Chain Holder	522902	8515
2000-2006	Dodge	Dakota	4.7L V8	Secondary Timing Chain Holder	522902	8515
2002-2006	Dodge	Ram Truck	4.7L V8	Secondary Timing Chain Holder	522902	8515
1999-2006	Jeep	Grand Cherokee	4.7L V8	Secondary Timing Chain Holder	522902	8515
2006	Jeep	Commander	4.7L V8	Secondary Timing Chain Holder	522902	8515
2000-2006	Dodge	Durango	4.7L V8	Secondary Timing Chain Holder	522902	8515
2000-2006	Dodge	Dakota	4.7L V8	Secondary Timing Chain Holder	522902	8515
2002-2006	Dodge	Ram Truck	4.7L V8	Secondary Timing Chain Holder	522902	8515





## Serpentine Belt Tool

- Fits tensioner pulleys with 13mm-16mm, 18mm hex or 3/8" and 1/2" square drives.
- 13mm, 14mm and 15mm crows foot wrenches included

**No. 4645** – Serpentine Belt Tool  
Wt., 4lbs., 13 oz.



## Serpentine Belt Installation Tool

With this tool and the correct serpentine belt, installing those almost impossible serpentine belts is a lot less frustrating and time-consuming. The two-pin hook end holds the belt for precise placement, and the handle gives you the grip you need to maneuver it around the pulleys easier. It's also a handy tool to have around for installing V-belts and timing belts that are never in easy-to-reach places. 25" long.

**No. 7654** — Serpentine Belt Installation Tool  
Wt., 10 oz.



## Fan Clutch Wrench Master Set

Conventional wrenches are just too wide for the job of removing the fan clutch assembly on some engines. Here's the solution: You hold the fan clutch stationary with the clutch holder tool, and turn the fan clutch nut with the special wrench. Most wrenches feature a square drive for attaching a breaker bar for extra torque. Time savers when replacing water pumps, or for any other front engine service in body or repair shops. Holding tools and wrenches are available individually and in sets. Set includes:

- No. 7204E1 – Holding tool. 2-1/4" - 57 mm.
  - No. 7204E2 – Wrench. 1-7/16" - 36 mm.
  - No. 7205E1 – Holding tool. 3-1/4" - 82 mm.
  - No. 7205E2 – Wrench. 1-7/8" - 47 mm.
  - No. 7818 – Holding tool. 2-1/8" - 54 mm.
  - No. 7820 – Wrench. 2-13/16" - 72 mm.
  - No. 7821 – Holding tool. 1-7/16" - 36 mm.
  - No. 7823 – Wrench. 1-9/16" - 39 mm.
  - No. 7855 – Holding tool. 2-3/8" - 60 mm.
  - No. 7887 – Holding tool. 3" - 76 mm. Carrying case included.
- No. 7885** — Fan Clutch Wrench Master Set  
Wt., 16 lbs.



## Magnetic Parts Tray

- Rectangular, stainless steel tray is 9-1/2" x 5-1/2" and 1-1/4" deep. Holds tools and small metal parts.

**No. 4490** – Magnetic Parts Tray  
Wt., 1 lb., 11 oz.



## Hose Clamp Pliers Set

- Contains five different styles of hose clamp pliers, which will service most flat-band and ring-style hose clamps and hose removal tools.

**No. 4496** – Hose Clamp Pliers Set  
Wt., 3 lbs., 13 oz.



## Hose Clamp Pliers Set

- Cross-slotted jaw pliers and a wide, flat-band hose clamp pliers. Services most ring-type or flat-band hose clamps.
- Clamps are held open with a ratcheting locking mechanism.

**No. 4502** – Hose Clamp Pliers Set  
Wt., 1 lb., 3 oz.



## Hose Removal Tool

- Unique tip easily fits between hose and fitting to break stubborn hoses loose.

**No. 4521** – Hose Removal Tool  
Wt., 7 oz.



## Master Harmonic Balancer Installer

- Eleven special adapters make this a complete master harmonic balancer installer set available for most cars and light trucks.
- The heavy-duty 7/8" diameter forcing screw has internal threads to fit the threaded adapters.
- Plastic storage tray keeps set components organized for easy selection.

**No. 6505** — Master Harmonic Balancer Installer  
Wt., 2 lbs., 13 oz.



## Master Bolt Grip Set

- Covers almost every car, pick-up, SUV, and small engine.
- Capable of handling almost every two- or three-way bolt pull possible.
- For use on a variety of jobs: harmonic balancers, steering wheels, crankshaft pulleys, and gears.
- Storage tray and detailed application chart included.
- Slotted holes in puller flange permit cap screws to be positioned to handle bolt circles from 1-1/2" to 4-1/4".

**No. 6294** — Master Bolt Grip Set  
Wt., 6 lbs., 13 oz.



## Master Disconnect Tool Set

Most complete and up-to-date disconnect tool set available. 29 tools to cover most brands of cars and light trucks. A variety of applications are covered, including A/C, fuel, transmission, heater hose, clutch couplings, and heavy duty case.

**No. 6508** — Master Disconnect Tool Set  
Wt., 4 lbs., 8 oz.



## Harmonic Balancer Puller

Designed for removing damper pulleys in tight engine compartments, without removing the radiator.

- GM 2000 Generation III 4.8L, 5.3L, 5.7L 6.0L, and 8.1L V8s. Also works on Cadillac 4.5, 4.6, and 4.9L V8s beginning in 1988. Chevrolet trucks 2003-later 4.2L I6, 2004-current 3.5L I5 and 2005-current 2.8L I4.
- Chrysler engines from 1990-later, including 2.0L, 2.4L-4s; plus 2.5L, 2.7L, 3.3L, 3.5L, and 3.8L V6s.
- Ford 1995-later V8 engines with three spoke pressed on damper.
- Mitsubishi Eclipse 1995-1999 2.0L DOHC non-turbo.
- Kit contains the 3-jaw puller, four lengths of forcing rods, and a forcing screw with a 3/8" square drive for ratchet use, and a 3/4" hex for wrench or socket use.

**No. 6667** — Harmonic Balancer Puller  
Wt., 2 lbs., 11 oz.



## Universal Pulley Holder

- Universal design fits many different size pulleys having slots or holes, such as camshaft pulleys or crankshaft pulleys.
- Wrench is adjustable from 1-1/2" to 8-5/8"; four different size step pins are interchangeable.
- Long handle enables technician to easily hold the pulley when tightening or loosening retaining bolts.

**No. 4754** — Universal Pulley Holder  
Wt., 4 lbs., 15 oz.



## Professional Style Seal Puller

- Designed to remove oil and grease seals when servicing cars, SUVs and light trucks without damaging the housing or bearing.
- Hook tips in two sizes and professional handle design allows removal of hard-to-get-at seals by getting under them.
- The hook tip is double-secured versus competitors, for safety and durability.
- An extra blade is included, and additional replacements (No. 4508-1) may be ordered.

**No. 4508** — Professional Style Seal Puller  
Wt., 1 lb.



## 3-Piece Spark Plug Socket Set

This kit combines the most popular spark plug sockets 9/16, 5/8, 13/16. Each socket has a 3/8" drive end for use with a ratchet or breaker bar. Socket ends have soft rubber inserts to hold and protect the spark plug during removal and installation.

**No. 6897** — 3-Piece Spark Plug Socket Set  
Wt., 2 lb., 2 oz.



## Torque Angle Gauge

Required when servicing many late model engines that use torque-to-yield fasteners. Measures angle of rotation after pre-torque in torque-angle applications.

The 360° scale is marked in 2° increments and intervals of 10° and 30°; easily zeroed for next application by turning the tool housing.

Has 1/2" male and female square drives.

**No. 4554** — Torque Angle Gauge  
Wt., 6 oz.



## Accutorq™ Klikker Torque Wrenches

Features include: ratcheting heads, all-metal construction, permanently roll-marked scales, and soft-grip rubber handles.

**No. 7377** — 30-150 ft. lbs. Accutorq Klikker torque wrench with 1/2" drive.  
Wt., 4 lbs., 3 oz.

**No. 7375** — 150-750 in. lbs. Accutorq™ Klikker torque wrench with 3/8" drive.  
Wt., 2 lbs., 8 oz.

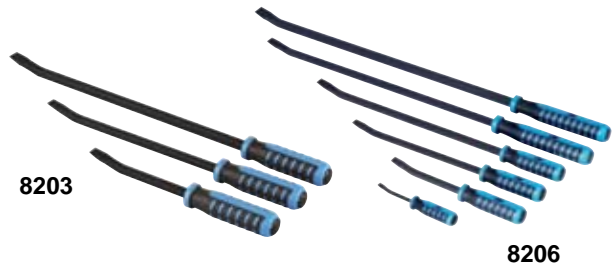


## Fluid Evacuation / Brake Bleeding Tool

- Use to bleed brake systems and remove a variety of fluid from vehicles, such as antifreeze, oil, transmission fluid, gear lube, etc.
- Quick connect locking hose adapters and ball-style on/off valve on hose prevent fluid leakage.
- Equipped with a relief valve to prevent over-pressurizing the tank.

**No. 8100** — Operates by shop air or a hand pump; shipped complete with a brake bleeding hose, fluid evacuation hose, and two suction hoses (6 mm & 7 mm); 10-liter capacity tank. Wt., 10 lbs.

**No. 8101** — Operates with shop air; shipped with a brake bleeding hose and fluid evacuation hose; 6-liter capacity tank. Wt., 10 lbs., 13 oz.



## Blue Force — Handled Pry Bar Set

Finally, a heavy-duty pry bar made of tempered square steel that you can hit without damaging the handle.

- Black chrome striking cap allows hitting the bar without damage to the handle.
- Ergonomic handle – dual durometer composite handle for user comfort; reduces hand fatigue.
- Polished tip with black oxide finish.
- Long-life finish resists rust and wear during use.
- OTC Marathon Lifetime Warranty.
- Set includes 12", 18", and 24" bar shank lengths packaged in a gray molded tray.

**No. 8203** — Blue Force — Handled Pry Bar Set  
Wt., 3 lbs.

**No. 8206** — 6-piece handled pry bar set in a molded tray. Includes 8", 12", 18", 24", 32", and 36" sizes.