

CLYMER[®] 2019 MANUALS



* Color wiring diagrams

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BMW

M308 500 & 600cc Twins, 1955-1969 R50, R50/2, R50S, R50US, R60, R60/2, R60US, R69, R69S, R69US
* M502-3 R50/5 through R100GS PD, 1970-1996 R50/5 (1970-1973), R60/5 (1970-1973), R60/6 (1973-1976), R60/7 (1976-1978), R65 (1978-1985), R65/85 (1985-1987), R65LS (1982-1985), R75/5 (1970-1973), R75/6 (1973-1976), R75/7 (1976-1977), R80/7 (1978-1980), R80G/S (1980-1986), R80ST (1982-1984), R80RT (1982-1985), R80RT (1986-1987), R80 (1985-1987), R90/6 (1973-1976), R90S (1973-1976), R100/7 (1976-1979), R100S (1976-1980), R100RS (1977-1984), R100RS (1987-1993), R100RT (1979-1984), R100RT (1987-1995), R100T (1979-1980), R100 (1981-1984, 1991), R100CS (1981-1984), R100GS (1988-1994), R100GS PD (1990-1996)
M500-3 K-Series, 1985-1997 K75 Low Seat (1989), K75 (1989-1995), K75T (1986-1987), K75S (1987-1988, 1990-1995), K75C (1986-1988), K75RT (1990-1995), K100RS (1985-1988), K100RT (1985-1988), K100LT (1987-1988), K100RS-ABS (1988-1989, 1991-1992), K100LT-ABS (1989-1991), K1 (1990-1993), K1100LT-ABS (1993-1997), K1100RSA (1993-1997)
* M501-3 K1200RS, GT & LT, 1998-2010 K1200RS (1998-2005), K1200GT (2003-2005), K1200LT (1999-2010)
* M503-3 R850, R1100, R1150 AND R1200C, 1993-2005 R850R (U.S., 1996-1998 and U.K., 1995-2001); R850C (U.K., 2000-2001); R850GS (U.K., 2000-2001); R1100GS (U.S. 1995-1999 and U.K., 1994-2000); R1100R (U.S. and U.K., 1995-2001); R1100RS (U.S., 1993-2001 and U.K. 1993-2002); R1100RT (U.S., 1996-2001 and U.K., 1995-2001); R1100S (U.S., 1999-2005 and U.K., 2000-2004); R1150GS/Adventure (U.S., 2000-2005 and U.K., 1999-2004); R1150R/Rockster (U.S., 2002-2005 and U.K., 2000-2004); R1150RS (U.S., 2002-2004 and U.K., 2001-2003); R1150RT (U.S., 2002-2004 U.K., and 2000-2004); R1200C U.S. and U.K., 1998-2004)
* M510 R1200 Twins, 2004-2009 R1200GS (2004-2009), R1200GS ADVENTURE (2006-2009), R1200R (2007-2009), R1200RT (2005-2009), R1200S (2006-2008), R1200ST (2005-2007)
* M309 F650, 1994-2000 F650 Funduro (U.K., 1994-1996), F650 ST (U.S., 1997), F650 Strada (U.K., 1997-1999), F650 (U.S. and U.K., 1997-2000), F650 Strada SE (U.K., 2000)

HARLEY-DAVIDSON

M419 Sportsters, 1959-1985 H (1959-1969), CH (1959-1969), XLCH (1970-1980), XLH (1970-1972, 1978-1985), XLCR (1977-1978), XLX (1983-1985), XLS (1980-1985), XL (1973-1977)
* M429-5 XL/XLH Sportster, 1986-2003 XLH883, XL883R, XLH1100, XL/XLH1200
* M427-4 XL Sportster, 2004-2013 XL883 (2004-2009), XL883C (2004-2010), XL883L (2004-2013), XL883N (2009-2013), XL883R (2004-2013), XL1200C (2004-2013),

XL1200L (2004-2011), XL1200N (2007-2012), XL1200R (2004-2009), XL1200V (2012-2013), XL1200X (2010-2013)
M256 XL Sportster, 2014-2017 XL883L SuperLow (2014-2017), XL883N Iron 883 (2014-2017), XL883R Roadster (2014-2015), XL1200C 1200 Custom (2014-2017), XL1200CA Custom Limited A (2014-2016), XL1200CB 1200 Custom Limited B (2014-2017), XL1200CP 1200 Custom (factory custom) (2014-2016), XL1200CX Roadster (2016-2017), XL1200T SuperLow (2014-2017), XL1200V Seventy-Two (2014-2016), XL1200X Forty-Eight (2014-2017)
M418 Panheads, 1948-1965 E, EL, ELF, ELS, ES, F, FL, FLE, FLEF, FLF, FLH, FLHF, FLS, FLSP, FS
* M420 Shovelheads, 1966-1984 FL (1973-1984), FXE (1974-1984), FLH (1973-1984), FXEF (1980-1984), FXB (1980-1984), FLHS (1980-1983), FXS (1978-1984), FXSB (1980-1984), FX (1973-1979), FXWG (1980-1984), SUPER GLIDE (FL) (1971), ELECTRA GLIDE (FL) (1966-1972)
M421-3 FLS/FLX Evolution, 1984-1999 FLST (1986-1990), FLSTC (1987-1993, 1993 HDI, 1994-1999), FLSTF (1990-1993, 1993 HDI, 1997-1999), FLSTN (1993, 1993 HDI, 1994-1996), FLSTS (1993, 1997-1999), FXST (1984-1990, 1999), FXSTB (1999), FXSTC (1985-1999), FXSTF (1993-1996), FXSTS (1988-1999), FXSTSB (1995-1998)
* M423-2 FLS/FXS Twin Cam 888, 95B & 103B, 2000-2005 FLSTC/FLSTCI Heritage Softail Classic (2000-2005), FLSTF/FLSTFI Fat Boy (2000-2005), FLSTFI Fat Boy 15th Anniversary Edition (2005), FLSTFSE Screamin' Eagle Fat Boy (2005), FLSTS/FLSTSI Heritage Springer (2000-2004), FLSTN/FLSTNI Softail Deluxe (2005), FLSTSC/FLSTSCI Softail Springer Classic (2005), FXST/FXSTI Softail Standard (2000-2005), FXSTB/FXSTBI Night Train (2000-2005), FXSTS/FXSTSI Springer Softail (2000-2005), FXSTD/FXSTDI Softail Deuce (2000-2005), FXSTDSE2 Screamin' Eagle Deuce (2004)
* M250 FLS/FXS/FXC Softail Series, 2006-2010 FLST/FLSTI Heritage Softail (2006), FLSTC/FLSTCI Heritage Softail Classic (2006-2010), FLSTC/FLSTCI Shrine (2006-2010), FLSTF/FLSTFI Fat Boy (2006-2010), FLSTF/FLSTFI Shrine (2006-2010), FLSTFB Softail Fat Boy Lo (2010), FLSTFSE2 Screamin' Eagle Fat Boy (2006), FLSTN/FLSTNI Softail Deluxe (2006-2010), FLSTSB Softail Cross Bones (2008-2010), FLSTSC/FLSTSCI Softail Springer Classic (2006-2007), FLSTSE Softail CVO Convertible (2010), FXCW Softail Rocker (2008-2009), FXCWC Softail Rocker Custom (2008-2010), FXST/FXSTI Softail Standard (2006-2009), FXSTB/FXSTBI Night Train (2006-2009), FXSTC Softail Custom (2007-2010), FXSTD/FXSTDI Softail Deuce (2006-2007), FXSTS/FXSTSI Springer Softail (2006), FXSTSSE Screamin' Eagle Softail Springer (2007), FXSTSSE2 Screamin' Eagle Softail Springer (2008), FXSTSSE3 Screamin' Eagle Softail Springer (2009)
* M251 FLS/FXS/FXC Softail Series, 2011-2016 FLS 103 Softail Slim (2012-2016), FLSS 110 Softail Slim (2016), FLSTC Heritage Softail Classic (2011), FLSTC 103 Heritage Softail Classic (2012-2016), FLSTC ANV Heritage Softail Classic 110th Anni. Edition (2013), FLSTF Fat Boy (2011), FLSTF Fat Boy 103 (2012-2016), FLSTF Fat Boy Lo 103 (2012-2016), FLSTFB Fat Boy Lo (2011), FLSTFB ANV Fat Boy Lo 110th Anni. Edition (2013), FLSTFB 103 Fat Boy Lo (2012-2016), FLSTFB 103 ANV Fat Boy Lo 110th Anni. Edition (2013), FLSTFB 110 Fat Boy Lo (2016), FLSTN Softail Deluxe (2011), FLSTN 103 Softail Deluxe (2012-2016), FLSTNSE CVO Softail Deluxe (2014), FLSTSB Softail Cross Bones (2011), FLSTSE2 CVO Softail Convertible (2011), FLSTSE3 CVO Softail Convertible (2012), FXCWC Rocker C (2011), FXS 103 Blackline (2012-2013), FXSB 103 Softail Breakout (2014-2016), FXSBSE 110 Softail Breakout (2013-2015), FXST 103 Softail Standard (2011-2013)
* M422-3 FLH/FLT/FXR Evolution, 1984-1998 FLHR Road King (1995-1998), FLHR-I Road King (1996-1997), FLHRC-I Road King (1998), FLHS Electra Glide-Sport (1988-1993), FLHT Electra Glide (1995-1998), FLHTC Electra Glide Classic & Anniversary (1984-1998), FLHTC-U Electra Glide Classic-Ultra & Anniversary (1989-1997), FLHTC-UI Electra Glide Classic-Ultra & Anniversary (1996-1998), FLHTC-I Electra Glide Classic (1996-1998), FLTC Tour Glide (1984-1991), FLTC-U Tour Glide-Ultra Classic (1989-1995), FLTC-UI Tour Glide-Ultra Classic (1996), FLTR Road Glide (1998), FLTR-I Road Glide (1998), FXEF Fat Bob (1985), FXLR Low Rider, Custom & Anniversary Edition (1987-1994), FXR Super Glide (1986-1994), FXRD Super Glide Grand Touring (1986), FXRS Low Rider & Convertible (1984-1992), FXRS-Con Low Rider-Convertible (1991-1993), FXRS-SP Low Rider-Sport Edition (1988-1993), FXRT Sport Glide (1984-1992), FXSB Low Rider (1985), FXWG Wide Glide (1985-1986), FXR2 & FXR3 Super Glide (1999)

* M430-4 FLH/FLT Twin Cam 88 & 103, 1999-2005 FLHT/FLHTI Electra Glide Standard (1999-2005), FLHTC/FLHTCI Electra Glide Classic (1999-2005), FLHTCUI Classic Electra Glide (1999-2005), FLHTCSE2 Screamin' Eagle Electra Glide 2 (2005), FLHR/FLHRI Road King (1999-2005), FLHRCI Road King Classic (1999-2005), FLHRS/FLHRSI Road King Custom (2004-2005), FLTR/FLTRI Road Glide (1999-2005)
* M252 FLH/FLT Touring Series, 2006-2009 FLHT Electra Glide Standard (2006-2009), FLHTI Electra Glide Standard (2006), FLHTC Electra Glide Classic (2007-2009), FLHTCI Electra Glide Standard (2006), FLHTCU Ultra Classic Electra Glide (2007-2009), FLHTCUI Ultra Classic Electra Glide (2006), FLHTCUIE Screamin' Eagle Ultra Classic Electra Glide (2006), FLHTCUIE3 Screamin' Eagle Ultra Classic Electra Glide (2007), FLHTCUIE3 Screamin' Eagle Ultra Classic Electra Glide (2008), FLHTCUIE4 Screamin' Eagle Ultra Classic Electra Glide (2009), FLHR Road King (2006-2009), FLHRI Road King (2006), FLHRS Road King Custom (2006-2007), FLHRSI Road King Custom (2006), FLHRC Road King Classic (2007-2009), FLHRCI Road King Classic (2006), FLHRSE3 Screamin' Eagle Road King (2007), FLHRSE4 Screamin' Eagle Road King (2008), FLHX Street Glide (2006-2009), FLHXI Street Glide (2006), FLTR Road Glide (2007-2009), FLTRI Road Glide (2006), FLTRSE3 Screamin' Eagle Road Glide (2009)
* M253 FLH/FLT Touring Series, 2010-2013 FLHTC Electra Glide Classic (2010-2013), FLHTCU Ultra Classic Electra Glide (2010-2013), FLHTK Electra Glide Ultra Limited (2010-2013), FLHR Road King (2010-2013), FLHRC Road King Classic (2010-2013), FLTRX Road Glide Custom (2010-2013), FLTRU Road Glide Ultra (2011-2013), FLHX Street Glide (2010-2013), FLHTCUIE5 CVO Ultra Classic Electra Glide (2010), FLHTCUIE6 CVO Ultra Classic Electra Glide (2011), FLHTCUIE7 CVO Ultra Classic Electra Glide (2012), FLHTCUIE8 CVO Ultra Classic Electra Glide (2013), FLHXSE CVO Street Glide (2010), FLHXSE2 CVO Street Glide (2011), FLHXSE3 CVO Street Glide (2012), FLTRUSE CVO Road Glide Ultra (2011, 2013), FLTRXSE CVO Road Glide Custom (2012), FLTRXSE2 CVO Road Glide Custom (2013), FLHRSE5 CVO Road King Custom (2013)
* M424-2 FXD Evolution, 1991-1998 FXDB (1991-1992), FXDC (1992), FXDL (1993-1998), FXDWG (1993-1998), FXD (1995-1998), FXDS-CONV (1995-1998)
* M425-3 FXD Twin Cam 88, 1999-2005 FXD/FXDI Dyna Super Glide (1999-2005), FXDX/FXDIX Dyna Super Glide Sport (1999-2005), FXDL/FXDLI Dyna Low Rider (1999-2005), FXDS-CONV Dyna Super Glide Convertible (1999-2000), FXDWG/FXDWGI Dyna Wide Glide (1999-2005), FXDXT Dyna Super Glide T-Sport (2001-2003), FXDC/FXDCI Dyna Super Glide Custom (2005), FXDP (2001-2004)
* M254 Dyna Series, 2006-2011 FXD Dyna Super Glide (2006-2010), FXDC Dyna Super Glide Custom (2006-2011), FXDL Dyna Low Ride (2006-2009, 2010-2011 HDI, Japan only), FXDWG Dyna Wide Glide (2006-2008, 2010-2011), FXD35 35th Anniversary Super Glide (2006), FXDB Street Bob (2006-2011), FXDF Fat Bob (2008-2011), FXDSE Screamin' Eagle Dyna (2007), FXDSE2 Screamin' Eagle Dyna (2008), FXDFSE CVO Dyna Fat Bob (2009), FXDFSE2 CVO Dyna Fat Bob (2010)
M255 FXD/FLD Dyna Series, 2012-2017 FXDB Street Bob (2012-2017), FXDB 103 Street Bob (2014-2017), FXDBA Street Bob (2013 Factory Custom), FXDBA 103 Street Bob (2013 Factory Custom), FXDBB 103 Street Bob (2014 Factory Custom, 2015-2016 Limited), FXDBC Street Bob (2016 Limited), FXDBC 103 Street Bob (2016 Limited), FXDBP 103 Street Bob (2013-2016 Factory Custom), FXDC Super Glide Custom (2012-2014), FXDC 103 Super Glide Custom 110th Anniversary (2013), FXDC Super Glide Custom (2014), FXDF Fat Bob (2012-2017), FXDF 103 Fat Bob (2012-2017), FXDL Low Rider (2013-2017), FXDL 103 Low Rider (2014-2017), FXDLS Low Rider S (2017), FXDWG Wide Glide (2012-2017), FXDWG 103 Wide Glide (2012-2017), FLD Switchback (2012-2016), FLD 103 Switchback (2012-2016)
* M426 VRSC Series, 2002-2014 VRSCA V-ROD (2002-2006), VRSCB V-ROD (2004-2005), VRSCAW V-ROD (2007-2010), VRSCSE Screamin' Eagle (2005-2006), VRSCX Screamin' Eagle (2007), VRSCR Street Rod (2006-2007), VRSCD Night Rod (2006-2008), VRSCDX Night Rod Special (2007-2014), VRSCF V-ROD Muscle (2009-2014), VRSCDX-ANIV. 10 th Anniversary Edition (2012)

HONDA ATVS

- M316** **Odyssey FL250, 1977-1984**
- M311** **ATC, TRX & FourTrax 70-125, 1970-1987**
ATC70 (1973-1974, 1978-1985), ATC90 (1970-1978), ATC110 (1979-1985), ATC125M (1984-1985), Fourtrax 70 (1986-1987), TRX125 (1985), Fourtrax 125 (1986)
- *M433** **FourTrax 90 ATV, 1993-2000**
- M326** **ATC185 & 200, 1980-1986**
ATC185 (1980), ATC185S (1981-1983), ATC200 (1981-1983), ATC200E (1982-1983), ATC200ES (1984), ATC200M (1984-1985), ATC200S (1984-1986), ATC200X (1983-1985)
- M347** **ATC200X & FourTrax 200SX, 1986-1988**
Fourtrax 200SX (1986-1988), ATC 200X (1986-1987)
- M455** **ATC250 & FourTrax 200/250, 1984-1987**
TRX200 (1984), ATC250ES (1985-1987), ATC250SX (1986-1987), TRX250 Fourtrax (1987)
- M342** **ATC250R Singles, 1981-1984**
- M348** **TRX250R/FourTrax 250R & ATC250R, 1985-1989**
ATC250R (1985-1986), TRX250R/FOURTRAX 250R (1985-1989)
- M456-4** **TRX250X, 1987-1992; TRX300EX Fourtrax, 1993-2009**
TRX250X (1987-1988, 1991-1992), TRX300EX Fourtrax (1993-2000), TRX300EX Sportrax (2001-2009)
- *M446-4** **TRX250 Recon & Recon ES, 1997-2016**
TRX250 Recon (1997-2016), TRX250 Recon ES (2002-2016)
- *M215-2** **TRX250EX, 2001-2012**
- M346-3** **TRX300/FourTrax 300 & TRX300FW/FourTrax 4x4, 1988-2000**
- *M200-2** **TRX350 Rancher, 2000-2006**
TRX350FE Fourtrax Rancher 4x4 ES (2000-2006), TRX350FM Fourtrax Rancher 4x4 (2000-2006), TRX350TE Fourtrax Rancher ES (2000-2006), TRX350TM Fourtrax Rancher (2000-2006)
- M459-3** **TRX400 Foreman, 1995-2003**
TRX400FW (1995-2003)
- *M454-5** **TRX400EX Fourtrax & Sportrax & TRX400X, 1999-2014**
TRX400EX Fourtrax (1999-2000), TRX400EX Sportrax (2001-2008), TRX400X (2009-2014)
- *M202** **TRX420 Rancher, 2007-2014**
Covers Independent Rear Suspension Models
(Does not include live axle models)
- *M201** **TRX450R & TRX450ER, 2004-2009**
TRX450R (2004-2009), TRX450ER (2006-2009)
- *M205** **TRX450 Foreman, 1998-2004**
TRX450ES (1998-2001), TRX450S (1998-2001), TRX450FE (2002-2004), TRX450FM (2002-2004)
- *M210** **TRX500 Rubicon, 2001-2004**
TRX500FA (2001-2004), TRX500FGA (2004)
- *M206** **TRX500 Foreman, 2005-2011**
TRX500FE (2005-2011), TRX500FM (2005-2011), TRX500TM (2005-2006), TRX500FPE (2007-2011), TRX500FPM (2008)

HONDA SINGLES

- M310-13** **50-110CC OHC Singles, 1965-1999**
Z50A (1969-1978), Z50R (1979-1989, 1991-1999), S65 (All Years), C70 (1980-1983), C70M (All Years), CL70 (All Years), CT70 (1969-1982), SL70 (1971-1972), XL70 (1974-1976), S90 (1973-1975), SL90 (All Years), ST90 (1973-1975), C90 (1966-1969), CL90 (All Years), CL90L (All Years), CT90 (1969-1979), CT110 (1980-1984, 1986)
- *M315** **100-350CC OHC, 1969-1982**
CB100 (1970-1972), CB125S (1973-1982), XL125 (1974-1978), XL175 (1973-1978), XL250 (1972-1976), CT125 (1977), SL100 (1969-1973), SL125 (1971-1973), XL100 (1974-1978), TL125 (1973-1975), CL100 (1970-1972), TL250 (1975-1976), XL350 (1974-1978), TL125S (1976), CL100S (1971-1973)
- M317** **125-250CC Elsinores, 1973-1980**
CR125M (1974-1978), CR125R (1979-1980), CR250M (1974-1976), CR250R (1978-1980), MR175 (1974-1977), MR250 (1975-1976), MT125 (1973-1976), MT250 (1973-1976)
- M442** **CR60-125R Pro-Link, 1981-1988**
CR60R (1983-1984), CR80R (1981-1988), CR125R (1981-1988)
- M431-2** **CR80R, 1989-1995; CR125R, 1989-1991**
- *M435** **CR80R & CR80RB Expert, 1996-2002**
- M457-2** **CR125R, 1992-1997; CR250R, 1992-1996**
- *M464** **CR125R, 1998-2002**
- *M223** **Honda CRF230 Series, 03-13**
- M443** **CR250R-500R Pro-Link, 1981-1987**
CR250R (1981-1987), CR450R (1981), CR480R (1982-1983), CR500R (1984-1987)
- M432-3** **CR250R, 1988-1991 & CR500R, 1988-2001**
- *M437** **CR250R, 1997-2001**
- *M352** **CRF250R, CRF250X, CRF450R & CRF450X, 2002-2005**
CRF250R (2004-2005), CRF250X (2004-2005), CRF450R (2002-2005), CRF450X (2005)

- *M319-3** **XR50R, CRF50F, XR70R & CRF70F, 1997-2009**
XR50R (2000-2003), CRF50F (2004-2009), XR70R (1997-2003), CRF70F (2004-2009)
- *M312-14** **XL/XR75, XL/XR80 and XL/XR100, 1975-1991**
XL75 (1977-1979), XR75 (1975-1978), XL80S (1980-1985), XR80 (1979-1984), XR80R (1985-1988, 1990-1991), XL100S (1979-1985), XR100 (1981-1984), XR100R (1985-1991)
- *M222** **XR80R, CRF80F, XR100R & CRF100F, 1992-2009**
XR80R (1993-2003), CRF80F (2004-2009), XR100R (1992-2003), CRF100F (2004-2009)
- M318-4** **XL/XR/TLR125-200, 1979-2003**
XL125S (1979-1982, 1984-1985), XL185S (1979-1983), XL200R (1983-1984), XR185 (1979), XR200 (1980-1984), XR200R (1981-1983, 1986-1988, 1990-2003), TLR200 (1986-1987)
- M328-4** **XL/XR250, 1978-2000; XL/XR350R, 1983-1985; XR200R, 1984-1985; XR250L, 1991-1996**
XR200R (1984-1985), XL250S (1978-1981), XL250R (1982-1987), XR250 (1979-1980), XR250R (1981-1982, 1984-2000), XR250L (1991-1996), XL350R (1984-1985), XR350R (1983-1985)
- *M320-2** **XR400R, 1996-2004**
- *M221** **XR600R, 1991-2000 & XR650L, 1993-2012**
- *M339-8** **XL/XR 500-600, 1979-1990**
XL500S (1979-1981), XL500R (1982), XR500 (1979-1980), XR500R (1981-1984), XL600R (1983-1987), XR600R (1985-1990)
- *M225** **XR650R, 2000-2007**

HONDA TWINS

- M321** **125-200CC Twins, 1965-1978**
CL125A (1967-1969), CA/CB/CL 160 (All Years), CA/CD175 (1968-1970), CB/CL175 (1969-1973), CD175 (1967-1978 U.K.), SL175 (1970-1971 U.K.), CB200 (1974-1976), CB200 (1973-1978 U.K.), CL200 (1974)
- *M322** **250-350CC Twins, 1964-1974**
CB250(1964-1974), CL250(1967-1974), CB350(1968-1973), CL350(1968-1973), SL350(1969-1973)
- M323** **250-360CC Twins, 1974-1977**
CB250GS (All Years), CJ250T (All Years), CB360 (1975-1976), CB360G (1974), CL360 (1974-1975), CJ360T (1976-1977)
- *M324-5** **Twinstar, Rebel 250 & Nighthawk 250, 1978-2015**
CM185T (1978-1979), CM200T (1980-1982), CM250C (1982-1983), CMX250CD (1986), CMX250C REBEL (1985-1987 & 1996-2015), CB250 NIGHTHAWK (1991-2002)
- M334** **400-450CC, 1978-1987**
CB400T TYPE I (1978-1979), CB400T TYPE II (1978-1979), CB400T (1980-1981), CB400A (1978), CM400A (1979-1981), CB400C (1982), CM400E (1980-1981), CM400T (1979-1981), CB450T (1982), CM450SC Nighthawk (1982-1983, 1985-1986), CM450A (1982-1983), CM450C (1982), CM450E (1982-1983), CMX450C Rebel (1986-1987)
- *M333** **450 & 500CC Twins, 1965-1976**
CB450 (1965-1974), CL450 (1968-1974), CB500T (1975-1976)
- *M335** **CX & GL500/650 Twins, 1978-1983**
CX500 (1978), CX500 Custom & Deluxe (1979-1982), CX650C (1983), GL500 (1981-1982), GL500 Interstate (1981-1982), GL650 (1983), GL650 Interstate (1983)
- M344** **VT500, 1983-1988**
VT500FT Ascot (1983-1984), VT500C Shadow (1983-1986), VT500E Euro Sport (1983-1988)
- M313** **VT700 & 750, 1983-1987**
VT700C Shadow (1984-1987), VT750C Shadow (1983)
- *M314-3** **VT750 Shadow Chain Drive, 1998-2006**
VT750C Shadow ACE (1998-2000), VT750DC Shadow Spirit (2001-2006), VT750CD Shadow ACE Deluxe (1998-2003)
- *M232** **Honda VT750 Shaft Drive, 2004-2013**
VT750C Aero (2004-2009, 2011-2013), VT750C2 Spirit (2007-2009, 2012-2013), VT750C2B Phantom (2010-2013)
- M440** **VT1100C Shadow, 1985-1996**
VT1100C (1985-1990, 1992-1996)
- *M460-4** **VT1100 Series, 1995-2007**
VT1100C Shadow Spirit (1997-2007), VT1100C2 Shadow 1100 American Classic Edition (1995-1999), VT1100C2 Shadow Sabre (2000-2007), VT1100C3 Shadow Aero (1998-2002), VT1100T Shadow 1100 American Classic Edition Tourer (1998-2000)
- M233** **VT1300 Series (2010-2018)**
- *M230** **VTX1800 Series, 2002-2008**
VTX1800C (2002-2007), VTX1800R (2002-2007), VTX1800S (2002-2006), VTX1800N (2004-2008), VTX1800F (2005-2008), VTX1800T (2007-2008)
- *M231** **VTX1300 Series, 2003-2009**
VTX1300S (2003-2007), VTX1300C (2004-2009), VTX1300R (2005-2009), VTX1300T (2008-2009)

HONDA FOURS

- M332** **CB350-550 SOHC Fours, 1971-1978**
CB350F (1972-1974), CB400F (1975-1977), CB500 (1971-1973), CB550 (1974-1978), CB550F (1975-1977)

- *M345** **CB550 & 650, 1983-1985**
CB550SC (1983), CB650SC (1983-1985)
- M336** **CB650 Fours, 1979-1982**
CB650 (1979-1982), CB650SC (1982), CB650C (1980-1981)
- *M341** **CB750 SOHC, 1969-1978**
CB750K (1969-1978), CB750A (1976-1978), CB750F (1975-1978)
- *M337** **CB750 DOHC, 1979-1982**
CB750C (1980-1982), CB750K (1979-1982), CB750F (1979-1982), CB750K-LTD (1979)
- *M436** **CB750 Nighthawk, 1991-1993 & 1995-1999**
- M325** **CB900-1100 Fours, 1980-1983**
CB900C and F (1980-1982), CB1000C (1983), CB1100F (1983)
- M439** **Hurricane 600, 1987-1990**
CBR600F (1987-1990)
- M441-2** **CBR600 F2 & F3, 1991-1998**
CBR600F2 (1991-1994 U.S.), CBR600F3 (1995-1998 U.S.), CBR600SJR Smokin' Joe's (1996 U.S.), CBRSE Smokin' Joe's (1998 U.S.), CBR600F (U.K.)
- *M445-2** **CBR600F4, 1999-2006**
CBR600F4 (U.S.) (1999-2000), CBR600F4i (U.S.) (2001-2006), CBR600F (U.K.) (1999-2000), CBR600F SPORT (U.K.) (2001-2006)
- *M220** **CBR600RR, 2003-2006**
- *M434-2** **CBR900RR/Fireblade, 1993-1999**
CBR900RR (1993-1999), Fireblade (1993-1999 U.K.)
- M329** **500CC V-Fours, 1984-1986**
VF500C Magna (V30) (1984-1986), VF500F Interceptor (1984-1986)
- M349** **700-1000CC Interceptor, 1983-1985**
VF700F Interceptor (1984-1985), VF750F Interceptor (1983-1984), VF1000F Interceptor (1984)
- M458-2** **VFR700F-750F, 1986-1997**
VFR700F (1986), VFR700F2 (1986-1987), VFR750F (1986-1997)
- *M438** **VFR800FI Interceptor, 1998-2000**
- *M327** **700-1100CC V-Fours, 1982-1988**
VF700C Magna (1984-1987), VF700S Sabre (1984-1985), VF750C V45 Magna (1982-1983, 1988), VF750S V45 Sabre (1982-1983), VF1100C V65 Magna (1983-1986), VF1100S V65 Sabre (1984-1985)
- *M508** **ST1100/Pan European, 1990-2002**
Pan European (1990-2002), ST1100 (1991-2002), ST1100A (1992-2002)
- M340** **GL1000 & 1100, 1975-1983**
GL1000 (1975-1979), GL1100 (1980-1983), GL1100 Interstate (1980-1983)
- *M504** **GL1200, 1984-1987**
Standard-GL1200 (1984), Aspencade-GL1200A (1984-1987), Interstate-GL1200I (1984-1987), Limited Edition-GL1200L (1985), Aspencade SE-i-GL1200SE-i (1986)

HONDA SIX

- M505** **GL1500, 1988-1992**
Standard-GL1500 (1988-1990), SE-GL1500SE (1990-1992), Aspencade-GL1500A (1991-1992), Interstate-GL1500I (1991-1992)
- M506-2** **GL1500 Gold Wing, 1993-2000**
SE-GL1500SE, Aspencade-GL1500A, Interstate-GL1500I
- *M507-3** **GL1800 Gold Wing, 2001-2010**
- *M462-2** **GL1500C Valkyrie, 1997-2003**
GL1500C (1997-2003), GL1500CT Tourer (1997-2000), GL1500CF Interstate (1999-2001)

HONDA VINTAGE COLLECTION

- M305** **Vintage Japanese Street Bikes**
Honda 250 & 305CC Twins; Kawasaki 250-750CC Triples; Kawasaki 900 & 1000CC Fours

KAWASAKI ATVS

- M465-3** **Bayou KLF220 & KLF250, 1988-2011**
KLF220 (1988-2002), KLF250 (2003-2011)
- M466-4** **Bayou KLF300 2WD & 4WD, 1986-2004**
KLF300 2WD (1986-2004), KLF300 4WD (1989-2004)
- M467** **Bayou KLF400, 1993-1999**
- M470** **Lakota KEF300, 1995-1999**
- *M385-2** **Mojave KSF250, 1987-2004**

KAWASAKI SINGLES

- M350-9** **80-350CC Rotary Valve, 1966-2001**
C2 Series (1967-1969), D1 (1966), F2 (1967), F3 (1968-1970), F4 (1969-1970), F5 (1970-1971), F6 (1971-1973), F7 (1971-1975), F8 (1971-1972), F9 (1972-1975), G Series (1969-1975), J1 Series (1965-1967), M Series (1973-1975), KD80 (1975-1976, 1980-1987), KD100 (1976-1979), KD125 (1975-1979), KD175 (1976-1979), KE100 (1976-2001), KE125 (1976-1985), KE175 (1976-1978, 1980-1982), KH100 (1976), KM100 (1976-1981), KS125 (1974-1975), KX125 (1974-1976), KV100 (1976)
- M444-2** **KX60, 1983-2002 & KX80, 1983-1990**

- *M448-2 **KX80, 1991-2000; KX85, 2001-2016 & KX100, 1989-2016**
KX80 (1991-2000), KX85 and KX85-II (2001-2016), KX100 (1989-2016)
- M351 **KDX200, 1983-1988**
- *M447-3 **KX125 & KX250, 1982-1991 & KX500, 1983-2004**
KX125 (1982-1991), KX250 (1982-1991), KX500 (1983-2004)
- M472-2 **KX125, 1992-2000**
- M473-2 **KX250, 1992-2000**
- *M474-3 **KLR650, 1987-2007**
- *M240-2 **KLR650, 2008-2017**

KAWASAKI TWINS

- M355 **KZ400, KZ/Z440, EN450 & EN500, 1974-1995**
KZ400A, S (1974-1978, U.S.); KZ400B (1978-1980, U.S., Can. & Eur.); KZ400C (1978, U.S.); KZ400G (1980-1981, U.S., Can. & Eur.); KZ400H (1979-1981, U.S., Can. & Eur.); KZ400A, D (1980-1983, U.S. & Can.); KZ440B (1980-1981, U.S. & Can.); KZ440C (1981, Can.); KZ440G (1982-1983, U.S. & Can.); KZ440H (1982-1983, Eur.); Z440A, C, D (1980-1983, Eur.); EN450A (1985-1990); EN500A (1990-1995)
- *M241 **Ninja 250R, 1988-2012**
EX250 (1988-2012)
- M350-3 **EX500, GPZ500S & Ninja 500R, 1987-2002**
EX500 A1-A7 (1987-1993 U.S. & Canada), Ninja 500R D1-D9 (1994-2002 U.S. & Canada), GPZ 500S E1-on (1994-2002 Germany, Norway, Greece), GPZ 500S F1-on (1994-2002 U.K. & Sweden)
- M356-5 **Vulcan 700 & Vulcan 750, 1985-2006**
VN700 (U.S. 1985), VN750 (U.K. 1985), VN750 (1986-2006)
- M354-3 **Vulcan 800 & Vulcan Classic, 1995-2005**
VN800A (1995-2005), VN800B (1996-2005)
- *M246 **Vulcan 900, 2006-2013**
Vulcan 900 Classic/Classic LT (2006-2013), Vulcan 900 Custom (2007-2013)
- M357-2 **Vulcan 1500, 1987-1999**
Vulcan 88 A1-A9 (U.S. & Canada, 1987-1995); VN-15 A1-A9 (Except U.S. & Canada, 1987-1995); Vulcan 1500 A10-A13 (U.S. & Canada, 1996-1999); Vulcan 88 B1-B4 (U.S. & Canada, 1987-1992); VN-15SE B1-B4 (Except U.S. & Canada, 1987-1992); Vulcan 1500 C3-C4 (U.S. & Canada, 1996-1997); VN-15 C1-C4 (Except U.S. & Canada, 1994-1997)
- *M471-3 **Vulcan 1500 Series, 1996-2008**
Classic, Nomad & Drifter
- *M245 **Vulcan 1600 Series, 2003-2008**
Classic (2003-2008); Mean Streak (2004-2008); Nomad (2005-2008)

KAWASAKI FOURS

- M449 **KZ500/550 & ZX550, 1979-1985**
K2500A1, B4; KZ550A1, A2, A4 B2, C1-3 (LTD), D1 (GP) F1 (Spectre), M1; ZX550A1/2 (GP), H1/2 (GP), M1 (LTD)
- M450 **KZ, Z & ZX750, 1980-1985**
KZ750E, H, L, LTD, R; Z750L, ZX750A, E
- M358 **KZ650, 1977-1983**
KZ650B, KZ650C (Custom), KZ650D (SR), KZ650E (LTD), KZ650F, KZ650H (CSR)
- M359-3 **Z & KZ 900-1000CC Chain & Shaft Drive, 1973-1981 (Includes C Series Police Models)**
Z1 (1973-1974), KZ900 (1975-1976), KZ1000 (1977-1978), KZ1000 Std. (1979-1980), KZ1000 Classic (1980), KZ1000 Ltd. (1977-1980), Z1R (1978-1980), KZ1000 C Series Police (1978-1981)
- M451-3 **KZ, ZX & ZN 1000-1100CC, 1981-2002 (Includes Z1000 P Series Police Models)**
U.S. and Canada Models: KZ1000J1, J2 Standard (1981-1982), KZ1000 K1, K2 LTD (1981-1982), KZ1000 M1, M2 CSR (1981-1982), KZ1000 R1, R2 Replica (1982-1983), KZ1100 A1, A2, A3 Standard (1981-1983), KZ1100 B1, B2 GP (1981-1982), KZ1100 D1, D2 Spectre (1982-1983), KZ1100 L1 LTD-Shaft (1983), ZX1100 A1, A2 (1983-1984), ZN1100 B1, B2 (1984-1985), Z1000 Police Model P1-P21 (1982-2002); Other Than U.S. and Canada: Z1000 J1, J2 (1981-1982), Z1000 K1, K2 (1981-1982), Z1100 A1, A2 (1981-1982), Z1100 B1, B2 (1981-1982), Z1000 J3 (1983), Z1000 R2 (1983), Z1100 D2 (1983), Z1100 A1, A2 (1983-1984), Z1100 A3 (1985)
- M452-3 **ZX500 & Ninja ZX600, 1985-1997**
ZX500 Europe (1985-1990), ZX600A (1985-1987), ZX600C (1988-1997)
- M468-2 **Ninja ZX-6, 1990-2004**
ZX600 D U.S. and Canada (1990-1993), ZX600 E U.S. and Canada (1993-2004), ZZ-R600 D U.K. (1990-1993), ZZ-R600 E U.K. (1993-2003)
- M469 **Ninja ZX-7, ZX-7R & ZX-7RR, 1991-1998**
ZX-7 J1, J2 U.S., Canada and U.K. (1991-1992), ZX-7R K1, K2 U.S., Canada and U.K. (1991-1992), ZX-7 L1, L2, L3 U.S., Canada and U.K. (1993-1995), ZX-7R M1, M2 U.S., Canada and U.K. (1993-1994), ZX-7RR N1 U.S., Canada and U.K. (1996), ZX-7R P1, P2, P3 U.S., Canada, U.K. and European (1996-1998)
- M453-3 **Ninja ZX900, ZX1000 & ZX1100, 1984-2001**
ZX900 A1-A3 (1984-1986), ZX1000 A1-A2 (1986-1987), ZX1000 (ZX-10) B1-B3 (1988-1990), ZX1100 C1-C4 (1990-1993), ZX1100 (ZX-11) D1-D9 (1993-2001)

- *M409-2 **Concours 1986-2006**
ZG1000 Concours/GTR1000 (1986-2006)

POLARIS ATVS & SxS

- M496 **ATVs, 1985-1995**
250-425cc 3-, 4- & 6-Wheel models; Scrambler, Trail Blazer, Trail Boss, Cyclone, Big Boss, Xplorer, Sport, Sportsman and Magnum
- M362-2 **Magnum & Big Boss ATVs, 1996-1999**
Magnum 425 2x4 (1996-1998), Magnum 425 6x6 (1996-1997), Magnum 425 4x4 (1996-1998), Big Boss 500 6x6 (1998-1999)
- *M363 **Scrambler 500 4x4, 1997-2000**
- *M365-5 **Sportsman 400, 450 & 500, 1996-2013**
Sportman 400 (2001-2005), Sportsman 400 HO (2011-2013), Sportsman 450 (2006-2007), Sportsman 450 Browning Edition (2006), Sportsman 500 (1996-2010), Sportsman 500 RSE (2000-2002), Sportsman 500 DUSE (2001-2002), Sportsman 500 HO (2001-2006, 2008-2013), Sportsman 500 X2 (2006-2010), Sportsman 500 Touring (2008-2013), Worker 500 (1997-2001), Xplorer (1997)
- *M366 **Sportsman 600, 700 & 800 Series, 2002-2010**
Sportsman 600 (2003-2005); Sportsman 700 (2002-2006); Sportsman 700 EFI (2004-2007); Sportsman 700 EFI X2 (2008); Sportsman MV7 (2005-2006), Sportsman 800 EFI (2005-2010), Sportsman 800 EFI X2 (2007-2009), Sportsman 800 EFI Touring (2008-2009)
- *M367 **Predator 500, 2003-2007**
Predator 500, 2003-2007; Predator 500 (Troy Lee Designs) 2005-2006
- M292 **RZR800, 2008-2014**
RZR 800 (2008-2014), RZR S 800 (2009-2014), RZR S 800 INTL (2009-2010) & (2012-2014), RZR S 800 EPS (2013-2014), RZR S 800 EPS INTL (2011-2012), RZR 800 EPS (2010-2014), RZR 4 800 (2010-2013), RZR 4 800 EPS (2011-2014), RZR 4 800 EPS INTL (2011-2012), RZR 800 LE (all models), RZR 800 XC (2014)
- M293 **Ranger 800, 2010-2014**
Ranger XP 800 (2010-2012), Ranger XP 800 EPS (2010-2012), Ranger HD 800 (2010-2012), Ranger Crew 800 (2010-2014), Ranger Crew 800 EPS (2011-2013), Ranger 4X4 800 (2013-2014), Ranger 4X4 800 EPS (2013-2014) (Also includes international model coverage)

SUZUKI ATVS

- M381 **ALT/LT 125 & 185, 1983-1987**
ALT125 (1983-1986), LT125 (1983-1987), ALT185 (1984-1985), LT185 (1984-1987)
- M475 **LT230 & LT250, 1985-1990**
LT230S Chain Drive (1985-1988), LT-F230G Shaft Drive (1985-1987), LT230G Shaft Drive (1985-1986), LT250S Chain Drive (1989-1990)
- M380-2 **Quadracer LT250R, 1985-1992**
- M483-2 **LT-4WD, LT-F4WDX & LT-F250, 1987-1998**
LT-4WD Quad Runner (1987-1998), LT-F250 Quad Runner (1988-1998), LT-F4WDX King Quad (1991-1998)
- *M270-2 **LT-Z400, 2003-2008**
- *M343-2 **LT-F500F, 1998-2002**

SUZUKI SINGLES

- M369 **125-400CC Singles, 1964-1981**
TC125 (Thru 1976), TM125 (1974-1975), TS125 (Thru 1979), TS185 (1974-1976), TS185 (Thru 1981), RL250 (1974-1975), TM250 (1972-1975), TS250 (Thru 1974, 1980-1981), TM400 (Thru 1975), TS400 (1972-1976)
- M371 **RM50-400 Twin Shock, 1975-1981**
RM50 (1978-1980), RM60 (1979-1981), RM80 (1977-1981), RM100 (1976-1981), RM125 (1975-1980), RM250 (1976-1980), RM370 (1976-1977), RM400 (1978-1980)
- M379 **RM125-500 Single Shock, 1981-1988**
RM125 (1981-1988), RM250 (1981-1988), RM465 (1981-1982), RM500 (1983-1984)
- M386 **RM80-250, 1989-1995**
RM80 (1989-1995), RM125 (1989-1995), RM250 (1989-1995), RMX250 (1989-1995)
- *M400 **RM125, 1996-2000**
- *M401 **RM250, 1996-2002**
- M476 **DR250-350, 1990-1994**
DR250 (1990-1993), DR250S (1990-1994), DR350 (1990-1994), DR350S (1990-1994)
- *M477-4 **DR-Z400E, S & SM, 2000-2012**
DR-Z400E, DR-Z400S, DR-Z400SM
- *M272 **Suzuki DR650SE, 1996-2013**
- *M384-5 **LS650 Savage/Boulevard S40, 1986-2015**
LS650 (1986-1988; 1995-2004), LS650/Boulevard S40 (2005-2015)

SUZUKI TWINS

- M372 **GS400-450 Chain Drive, 1977-1987**
GS400 (1977-1978), GS425 (1979), GS450 (1980-1983, 1985-1987)
- M484-3 **GS500 Twins, 1989-2002**
GS500E (1989-2002)

- *M361 **SV650, 1999-2009**
SV650 (1999-2008), SV650S (1999-2007), SV650SF (2008-2009)
- *M273 **DL650 V-Strom, 2004-2011**
- M481-6 **VS700-800 Intruder/Boulevard S50, 1985-2009**
VS700 (1986-1987 U.S.), VS750 (1988-1991 U.S.), VS800 (1992-2004 U.S.), VS750 (1985-1991 U.K.), VS800 (1992-1997 U.K.), VS800/S50 (2005-2009)
- *M261-2 **1500 Intruder/Boulevard C90, 1998-2009**
Intruder LC 1500 (VL1500) (1998-2005), Boulevard C90/C90T (VL1500) (2006-2009)
- *M260-3 **Volusia/Boulevard C50, 2001-2017**
Volusia (2001-2004), Boulevard C50 (2005-2017)
- M482-3 **VS1400 Intruder/Boulevard S83, 1987-2007**
VS1400 Intruder (1987-2004), Boulevard S83 (2005-2007)

SUZUKI TRIPLE

- M368 **GT380, GT550 & GT750, 1972-1977**
No wiring diagrams.

SUZUKI FOURS

- M373 **GS550, 1977-1986**
GS550 (1977-1979), GS550E (1978-1980, 1983, 1985-1986), GS550ES (1983-1986), GS550L (1979-1983, 1985-1986), GS550M (1982), GS550T (1981)
- M364 **GS650, 1981-1983**
GS650EX, GS650EZ, GS650GLZ, GS650GX, GS650GD, GS650GLD, GS650GZ, GS650GLX, GS650ED
- M370 **GS750 Fours, 1977-1982**
GS750 (1977-1979), GS750L (1979-1981), GS750E (1978-1982), GS750T (1982)
- M376 **GS850-1100 Shaft Drive, 1979-1984**
GS850G (1979-1981), GS850GL (1979-1983), GS1000G (1980-1983), GS1000GL (1981), GS1100G (1982-1983), GS1100GL (1982-1983), GS1100GK (1982-1984)
- M378 **GS1100 Chain Drive, 1980-1981**
GS1100ET, GS1100LT, GS1100EX
- M383-3 **Katana 600, 1988-1996; GSX-R750-1100, 1986-1987**
GSX600F Katana (1988-1996), GSX-R750 (1986-1987), GSX-R750R Limited Edition (1986), GSX-R1100 (1986-1987)
- *M331 **GSX-R600, 1997-2000**
- *M264 **GSX-R600, 2001-2005**
GSX-R600 (2001-2005, U.S., California, Canada, U.K. and Europe models), GSX-R600 Alstare (2003 U.S., California and Canada models)
- *M268 **GSX-R600/R750, 2006-2009**
- *M269 **GSX-R750, 2000-2005**
- M478-2 **GSX-R750, 1988-1992 & GSX750F Katana, 1989-1996**
- M485 **GSX-R750, 1996-1999**
GSX-R750T (1996), GSX-R750V (1997), GSX-R750W (1998), GSX-R750X (1999)
- *M377 **GSX-R1000, 2001-2004**
- *M266 **GSX-R1000, 2005-2006**
- *M265 **GSX1300R Hayabusa, 1999-2007**
- *M338 **GSF600S Bandit, 1995-2000**
GSF600, GSF600S
- *M353 **GSF1200 Bandit, 1996-2003**
GSF1200 (1996-2003), GSF1200S (1997-2003)

YAMAHA ATVS & SxS

- *M499-2 **YFM80 MOTO-4, Badger & Raptor, 1985-2008**
YFM80 Moto-4 (1985-1988), YFM80 Badger (1992-2001), YFM80 Raptor (2002-2008)
- M394 **YTM/YFM200 & YTM225, 1983-1986**
YTM200 (1983-1985), YTM225 (1983-1985), YFM200 (1985-1986)
- *M488-5 **Blaster, 1988-2006**
YFS200 (1988-2006)
- M489-2 **Timberwolf, 1989-2000**
YFM250 (1989-1991), YFB250 (1992-1998), YFB250FW (1994-2000)
- *M487-5 **Warrior (1987-2004) & Raptor (2004-2013)**
YFM350X (1987-2004), YFM350S (2004-2013)
- M486-6 **Banshee, 1987-2006**
YFZ350 (1987-2006)
- M490-3 **Moto-4 & Big Bear, 1987-2004**
YFM350 2-WD (1987-1999), YFM350FW 4-WD (1987-1999), YFM400 2-WD (2000-2004), YFM400FW 4-WD (2000-2004)
- M493 **Kodiak ATV, 1993-1998**
YFM400FW (1993-1998)
- *M287-2 **YFZ450, 2004-2017**
YFZ450 (Does not cover YFZ450X models)
- *M285-2 **Grizzly 660, 2002-2008**
YFM660F (2002-2008)

- **M280-2 Raptor 660R, 2001-2005**
YFM660R Raptor (2001-2005)
- **M290 Raptor 700R, 2006-2016**
YFM700R Raptors (All Models)
- **M291 Rhino 700, 2008-2009 and 2011-2012**

YAMAHA SINGLES

- M492-2 PW50 Y-Zinger, PW80 Y-Zinger & BW80 Big Wheel, 1981-2002**
PW50 (1981-1983; 1985-1987; 1990-2002), PW80 (1983; 1985; 1991-2002), BW80 (1986-1988; 1990)
- M288 TT-50 (2006-2017), TT-R110E (2008-2017), TT-R125E/L/LE (2004-2017)**
- M410 80-175 Piston Port, 1968-1976**
GT1 (1973), GTMX (1973-1974), GT80A (1974-1976), GT80MXA (1974-1977), YZ80 (1974-1976), YZ100 (1976), DT100 (1974-1976), MX100 (1974-1975), AT1 Series (1968-1970), AT2 Series (1972), AT3 (1973), ATMX (1973), DT125 (1974-1976), MX125 (1974-1976), YZ125 (1974-1976), CT1 Series (1969-1972), CT2 (1972), CT3 (1973), DT175 (1974-1976), MX175 (1974-1975)
- M289 XT250 (2008-2018) & TT-R230 (2005-2018) (AVAILABLE FIRST HALF 2019)**
- M415 250-400CC Piston Port, 1968-1976**
DT1 Series, DT2 Series, DT3, DT250, DT360, DT400, MX250, MX360, RT1 Series, RT2 Series, RT3, YZ250, YZ350, YZ360
No wiring diagrams
- M412 DT & MX Series Singles 100-400, 1977-1983**
DT100 (1977-1983), DT125 (1978-1981), DT175 (1978-1981), DT250 (1977-1979), DT400 (1977-1978), MX100 (1979-1983), MX175 (1979-1981)
- M414 IT125-490, 1976-1986**
IT125 (1980-1981), IT175 (1977-1983), IT200 (1984-1986), IT250 (1977-1983), IT400 (1976-1979), IT425 (1980), IT465 (1981-1982), IT490 (1983-1984)
- M393 YZ50-80 Monoshock, 1978-1990**
YZ50 (1980), YZ60 (1981-1982), YZ80 (1978-1990)
- M413 YZ100-490 Monoshock, 1976-1984**
YZ100 (1976-1983), YZ125 (1976-1984), YZ175 (1976), YZ250 (1976-1984), YZ400 (1976-1979), YZ465 (1980-1981), YZ490 (1982-1984)
- M390 YZ125-250, 1985-1987 & YZ490, 1985-1990**
- M391 YZ125-250, 1988-1993 & WR250Z, 1991-1993**
YZ125 (1988-1993), YZ250 (1988-1993), YZ250WR (1989-1990), WR250Z (1991-1993)
- M497-2 YZ125, 1994-2001**
- *M498 YZ250, 1994-1998 & WR250Z, 1994-1997**
- *M406 YZ250F & WR250F, 2001-2003**
- *M491-2 YZ400F, 1998-1999; YZ426F, 2000-2002; WR400F, 1998-2000; WR426F, 2001-2002**
- M417 XT125-250, 1980-1984**
XT125 (1982-1983), XT200 (1982-1983) & XT250 (1980-1984)
- M480-3 XT350, 1985-2000 & TT350, 1986-1987**
- M405 XT500 & TT500, 1976-1981**
- M416 XT600 & TT600, 1983-1989**
XT600 (1984-1989), TT600 (1983-1986)

YAMAHA TWINS

- M403 650CC Twins, 1970-1982**
TX650 (1970-1974), XS1 (All Years), XS2 (All Years), XS650 (1975-1982)
- M395-10 XV535-1100 Virago, 1981-2003**
XV535 (U.S. 1987-1990, 1993-2000) (U.K. 1988-2003), XV700 (1984-1987), XV750 (1981-1983, 1988-1997), XV920 (1982-1983), XV1000 (1984-1985), XV1100 (1986-1999)
- **M495-7 V-Star 650, 1998-2011**
Custom, Classic, Silverado
- **M284 V-Star 950, 2009-2012**
- **M281-4 V-Star 1100, 1999-2009**
XVS1100 (1999), XVS1100 Custom Models (2000-2009), XVS1100A Classic Models (2000-2009)
- **M283 V-Star 1300, 2007-2010**
XVS13A; XVS13CT
- **M282-2 Road Star, 1999-2007**
XV1600A, XV1700A-Road Star (1999-2007); XV1600AS-Road Star MM Limited (2000); XV1600ALE-Road Star Limited Edition (2003); XV1700AM-Road Star Midnight (2004-2007); XV1600AT, XV1700AT-Road Star Silverado (1999-2007); XV1600AS-Road Star Midnight Star (2001-2003); XV1600ATLE-Road Star Silverado Limited Edition (2003); XV1700ATM-Road Star Midnight Silverado (2004-2007)

YAMAHA TRIPLE

- M404 XS750 & XS850, 1977-1981**
XS750 (1977-1979), XS750 II (1977-1979), XS850 (1980-1981), XS850S (1980-1981)

YAMAHA FOURS

- M387 XJ550, XJ600 & FJ600, 1981-1992**
XJ550 (1981-1983 U.S.; 1983-1984 U.K.), XJ600 (1984-1987, 1989-1992 U.K.), FJ600 (1984-1985)
- *M388 YX600 Radian & FZ600, 1986-1990 (AVAILABLE ONLINE ONLY)**
- *M494 XJ600 Seca II/Diversion, 1992-1998**
XJ600S Seca II (1992-1998 U.S.), XJ600S Seca II (1992-1996 Canada), XJ600S Diversion (1992-1998 U.K.), XJ600SC Seca II (1992-1998 California), XJ600S Seca II (1992-1996 Australia)
- M396 FZR600, 1989-1993**
- M392 FZ700, FZ750 & Fazer, 1985-1987**
FZ700 (1987), FZ750 (1985-1986), FZ700 Fazer (1986-1987)
- M411 XS1100, 1978-1981**
XS1100E, XS1100F, XS1100SF, XS1100G, XS1100SG, XS1100H, XS1100SH
- **M461 YZF-R6, 1999-2004**
- **M399 FZ1, 2001-2005**
FZ1 (2001-2005), FZS1000 (U.K. 2001-2003)
- **M398 YZF-R1, 1998-2003**
- M397 FJ1100 & 1200, 1984-1993**
FJ1100 (1984-1985), FJ1200 (1986-1993)
- **M375-2 V-Max, 1985-2007**
VMX12 (1985-2007)
- **M374-2 Royal Star, 1996-2013**
XVZ13A Royal Star/Boulevard (1996-2001), XVZ13LT Tour Deluxe (1997-2001), XVZ13AT Tour Classic (1996-2000), XVZ13TF Venture (1999-2010), XVZ13CT Tour Deluxe (2005-2010), XVZ13TFL Venture (2011-2013)

VINTAGE MOTORCYCLES & ATVS

CLYMER COLLECTION SERIES

- M330 British Twins**
BSA 500--650cc Unit Twins (1963-1972), Norton 750 & 850cc Commandos (1969-1975), Triumph 500, 650 & 750cc Twins (1963-1979)
- M305 Vintage Japanese Street Bikes**
Honda 250 & 305CC Twins; Kawasaki 250-750CC Triples; Kawasaki 900 & 1000CC Fours

CLYMER PRO SERIES COLLECTION

Clymer ProSeries manuals provide specifications and service data in condensed format. Intended for the shop, each manual covers multiple makes and models. Maintenance, adjustment and tune-up procedures for each model are outlined with illustrations and exploded views.

- VCS-2 Two-stroke Motorcycles**
Allstate, Benelli, Bridgestone, Bronco, BSA, Bultaco, Ducati, Garelli, Harley-Davidson, Hodaka, Honda, Kawasaki, Maico, Montesa, Moto Beta, Ossa, Puch, Rex, Sachs, Suzuki, Villiers, White, Yamaha
- VCS-4 Four-stroke Motorcycles**
Benelli, BMW, BSA, Ducati, Gilera, Harley-Davidson, Honda, Kawasaki, Moto Guzzi, Norton, Royal Enfield, Triumph, Velocette, Yamaha
- ATV2-1 All-Terrain Vehicle Maintenance Manual, 1988-1992 Volume 2**
Covers 47 models of 4-wheelers produced from 1988 through 1992. Manufacturers Covered: Honda, Kawasaki, Polaris, Suzuki, Yamaha.

SNOWMOBILES

ARCTIC CAT

- S836 1990-1998**
Cougar, El Tigre, EXT, Pantera, Panther, Powder Extreme, Powder Special, Powder Special EFI, Prowler, Prowler Mountain Cat, Z, ZL, ZR, ZRT

POLARIS

- S832 1984-1989**
Indy Trail (1984-1989), Indy 400 (1984-1989), Indy 600 (1984-1987), Indy Sport (1987-1989), Indy 650 (1988-1989), Indy 500 (1989)
- S833 1990-1995**
400 (1990-1991), 440 (1992-1995), 400 SKS (1993-1995), 500 (1990-1995), 500 SKS (1990-1995), 500 SP (1990-1992), 650 (1990-1992), 650 SKS (1990), Classic (1990-1993), RXL (1991-1995), RXL SKS (1992-1993), Sport (1990-1995), Sport GT (1990-1992), Sport Touring (1995), Super Sport (1994-1995), Trail (1990-1995), XLT (1993-1995), XLT SKS (1993-1995), XLP SP (1993-1995)

SKI-DOO

- S829 1985-1989**
Formula MX (1985-1989), Formula MX High Altitude H/A (1986), Formula

Plus (1985-1989), Formula MX LT (1987-1989), Formula Plus LT (1989), Formula Mach I (1989)

- S830 1990-1995**
Formula MX (1990-1995), Formula MX E (1991), Formula MX II (1993), Formula MX LT (1990), Formula MX XTC E (1991), Formula MX XTC R (1992-1993), Formula MX Z (1993-1995), Formula Plus (1990-1993), Formula Plus E (1991-1993), Formula Plus EFI (1993), Formula Plus X (1993), Formula Plus XTC (1991-1993), Formula Plus XTC E (1991), Formula Plus LT (1990), Formula SS (1995), Formula ST (1994), Formula STX (1994-1995), Formual Mach 1 (1990-1995), Formula Mach 1 XTC (1991-1993)

YAMAHA

- S826 1984-1989**
PZ480 (1984-1989), EX570 (1987-1989)
- *S827 1997-2002 (Three-Cylinder Models)**
MM600, SX600, VT600, VX600ER, VX600SX, MM700, SX700, VT700, VX700SX, VX700SXS, VX700XT, VX700XTC, VX700TCD, VX700XTCP

VINTAGE SNOWMOBILES

- S820 Vintage Snowmobiles, Volume 1**
Arctic Cat (1974-1979); John Deere (1972-1977); Kawasaki (1976-1980)
- S821 Vintage Snowmobiles, Volume 2**
Polaris (1973-1979); Ski-Doo (1970-1979); Yamaha (1975-1980)
- SMS11 ProSeries Snowmobile Service Manual, 1962-1986**
Condensed service data for more than 60 sled manufacturers and more than 30 engine manufactures.

PERSONAL WATERCRAFT

KAWASAKI

- *W801 1976-1991**
CB100 (1970-1972), CB125S (1973-1982), XL125 (1974-1978), XL175 (1973-1978), XL250 (1972-1976), CT125 (1977), SL100 (1969-1973), SL125 (1971-1973), XL100 (1974-1978), TL125 (1973-1975), CL100 (1970-1972), TL250 (1975-1976), XL350 (1974-1978), TL125S (1976), CL100S (1971-1973)
- *W802 1992-1994**
JS440SX, JS550SX, JB650 Jet Mate, JF650X2, JF650TS, JL650SC, JS650SX, JH750SS, JS750SX, JT750ST, JH750 Super Sport XI, JH750XIR

POLARIS

- *W819 1992-1995**
SL650, SL650 STD., SL750, SLT750
- *W820 1996-1999**
SL700, SLT700, SL700 Deluxe, Hurricane, SL780, SLT780, SL900, SL1050, SLH, SLTH, SLXH, SLTX

SEA-DOO

- *W809-3 1988-1996**
Standard, GSX, GT, GTI, GTS, GTX, HX, SP, SPI, SPX, XP, XP-800
- *W810 1997-2001**
GS, GSI, GSX, GSX RFI, GSX Limited, GTI, GTS, GTX, GTX DI, GTX RFI, GTX Limited, HX, LRV, RX, RX DI, SP, SPX, XP, XP Limited

YAMAHA

- *W805 1987-1992**
WJ500, WR500, WR650, WRA650, WRB650, SJ650
- *W806 1993-1996**
WR500, WR650, WRA650, WRA650A, WRB650, WRB650A, SJ650, FX700, SJ700, SJ700A, RA700, RA700A, RA700B, WB700, WB700A, WRA700, WRB700, WVT700, RA760, WB760, RA1100, WVT1100
- *W807 Four Stroke PWC, 2002-2009**
FX140 (2002-2004), FX (2005-2008), FX140 Crusier (2003-2004), FX Crusier (2005-2008), FX High Output (2004-2008), FX Crusier High Output (2004-2008), VX (2005-2009), VX Deluxe (2005-2009), VX Crusier (2005-2009). Does not cover 1800cc models. Does not cover 2-stroke models.

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POWERBOAT MAINTENANCE

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B700

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Chrysler, 3.5-140 HP Outboards, 1966-1984

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EVINRUDE/JOHNSON

Evinrude/Johnson, 1.5-125 HP Outboards, 1956-1972

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Evinrude/Johnson, 2-40 HP Outboards (includes electric motors), 1973-1990

B732‡

Evinrude/Johnson, 48-235 HP Outboards (includes Sea Drives), 1973-1990

B736‡

Evinrude/Johnson, 2-300 HP Outboards (includes Jet Drives & Sea Drives), 1991-1994

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Evinrude/Johnson, 2-70 HP Two-Stroke Outboards (includes Jet Drives), 1995-2007

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Evinrude/Johnson, 85-300 HP Two-Stroke Outboards (Includes Jet Drives), 1995-2006 (Does not include Evinrude E-Tec models)

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Evinrude/Johnson, 5-70 HP Four-Stroke Outboards, 1995-2001

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Force, 4-150 HP Outboards (includes L-Drives), 1984-1999

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Kawasaki Jet Ski, 1992-1994

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Mariner, 2.5-275 HP Outboards, 1990-1993

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* See Mercury/Mariner for additional titles

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MerCruiser, Alpha One, Bravo One, Bravo Two & Bravo Three Stern Drives, 1986-1994

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MerCruiser, Alpha One, Bravo One, Bravo Two & Bravo Three Stern Drives, 1995-1997

B744‡

MerCruiser, Alpha One, Bravo One, Bravo Two & Bravo Three Stern Drives, 1998-2013

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Mercury, 3.9-135 HP Outboards, 1964-1971

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Mercury, 3.5-40 HP Outboards (includes electric motors), 1972-1989

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Mercury, 45-225 HP Outboards, 1972-1989

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Mercury, 3-275 HP Outboards, 1990-1993

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Mercury Sport Jet, 90-120 hp, 1993-1995

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Mercury/Mariner, 75-250 HP Two-Stroke Outboards, 1998-2009

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Mercury/Mariner, 4-90 HP Carbureted Outboards, 1995-2006

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Mercury/Mariner, 75-225 HP Four-Stroke Outboards, 2001-2003

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Nissan, 2.5-140 HP Two-Stroke Outboards, 1992-2000

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OMC, Cobra Stern Drives (includes 1988 and 1989 King Cobra models), 1986-1993

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OMC, Cobra SX & DP-S DuoProp Stern Drives, 1994-2000

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Polaris Water Vehicles, 1996-1998; Covers: SL700, SL700 Deluxe, SL780, SL900, SL1050, SLH, SLT700, SLT780, SLTH, SLTX, SLXH, Hurricane

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Sea-Doo Water Vehicles, 1988-1996; Covers: GT, GTI, GTS, GTX, HX, SP, SPi, SPX, XP, XP-800, Standard

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Sea-Doo Water Vehicles, 1997-2001; Covers: GS, GSI, GSX Series, GTI, GTS, GTX Series, HX, LRV, RX Series, SP, SPX and XP Series

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Suzuki, 2-65 HP Two-Stroke Outboards (includes Jet Drives), 1992-1999

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Tohatsu, 2.5-140 HP Two-Stroke Outboards, 1992-2000

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Yamaha, 2-225 HP Two-Stroke Outboards (includes Jet Drives), 1984-1989

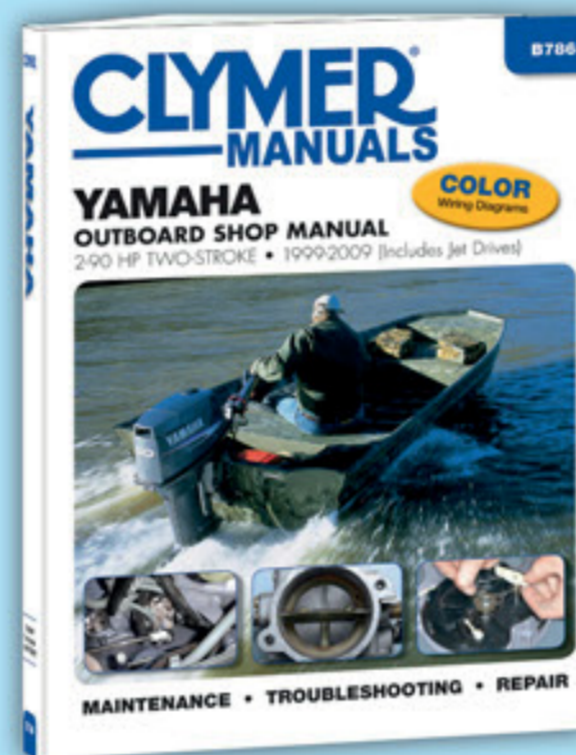
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Yamaha, 2-250 HP Two-Stroke Outboards (includes Jet Drives), 1990-1995

B784⚓

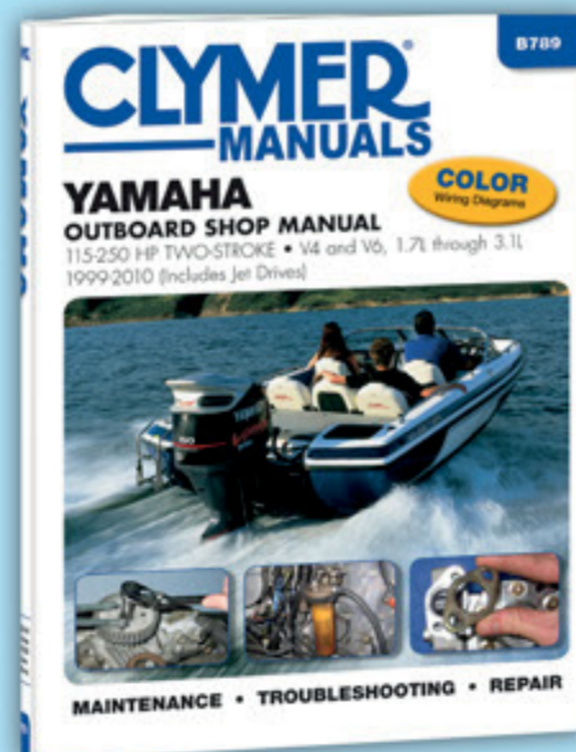
Yamaha, 2-250 HP Two-Stroke Outboards (includes Jet Drives), 1996-1998

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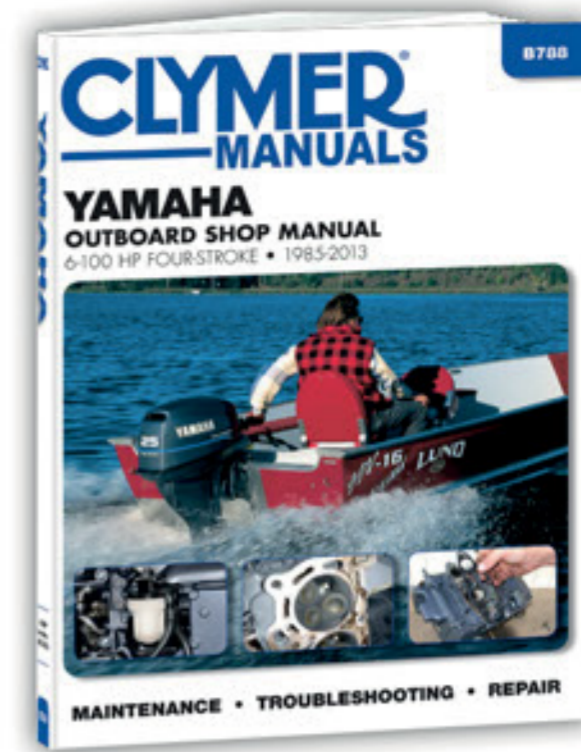
Yamaha, 2-90 HP Two-Stroke Outboards (includes Jet Drives), 1999-2009

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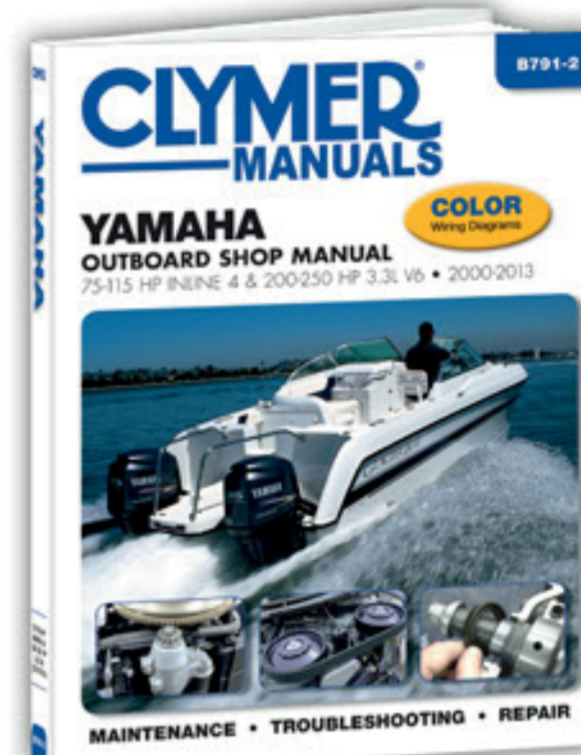
Yamaha, 115-250 HP Two-Stroke Outboards, 2.6L V4 & 3.1L V6 models (Includes Jet Drives), 1999-2010

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Yamaha Water Vehicles, 1987-1992; Covers: WJ500, WR500, WR650, WRA650, WRB650, SJ650

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Yamaha Water Vehicles, 1993-1996;

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Yanmar, Diesel Inboards, One, Two & Three-Cylinder Models, 1980-2009

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 = Also available online

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OUTBOARD MOTOR SERVICE MANUAL

Covers motors 30 hp and above, model years 1969-1989 Manufacturers covered: Chrysler,

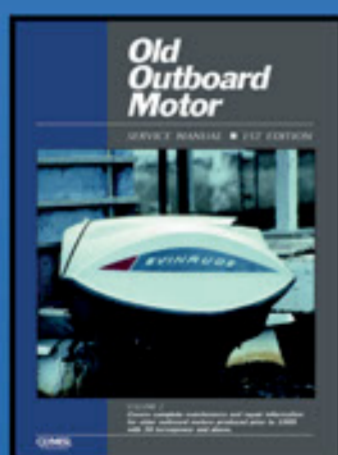
Evinrude, Force, Johnson, Mariner, Mercury, Sea King, Suzuki, Tohatsu, Yamaha. **OS2-11**



OLD OUTBOARD MOTOR SERVICE MANUAL, VOL. 1

Covers motors below 30 hp, produced

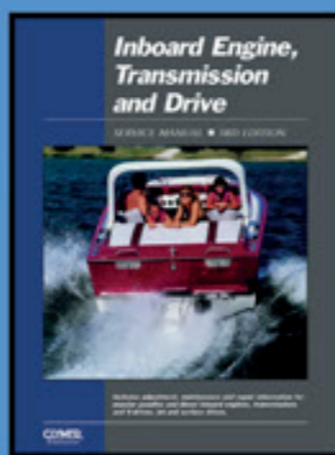
prior to 1969 Manufacturers covered: Apache, Atlas Royal, Brooklure, Buccaneer, Chief, Chrysler, Clinton, Commando, Commodore, Corsair, Elgin, Eska, Evinrude, Firestone, Gale, Guppy, Hiawatha, Husky, Johnson, McCulloch, Mercury, Mid-Jet, Mono, Neptune, Oliver, Outboard Jet, Scott, Sea Bee, Seagull, Sea King, Sears, Sovereign, Sprite, Tecumseh, West Bend, Wizard. **OOS-1**



OLD OUTBOARD MOTOR SERVICE MANUAL, VOL. 2

Covers motors

with 30 hp and above, produced prior to 1969 | Manufacturers covered: Buccaneer, Chrysler, Commodore, Corsair, Elgin, Evinrude, Firestone, Fisher-Pierce, Gale, Hiawatha, Homelite, Johnson, McCulloch, Mercury, Scott, Sea Bee, Sea King, Sears, West Bend, Wizard. **OOS-2**



INBOARD ENGINE, TRANSMISSION & DRIVE SERVICE MANUAL

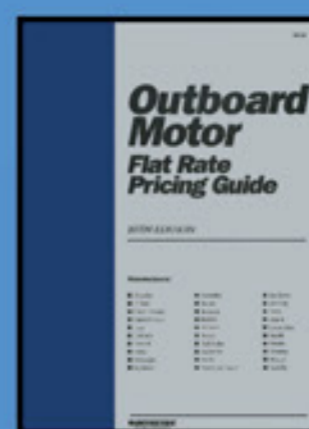
From early '60s | Engines covered: BMW (gas & diesel), Chrysler (gas & diesel), Crusader (gas), Ford (gas & diesel), MerCruiser (gas), Oldsmobile (gas), OMC (gas), Pathfinder (diesel), Peugeot (diesel), Pleasurecraft (gas), Seahawk (diesel), Universal (gas & diesel), Volvo (diesel), Westerbeke (gas & diesel), Yanmar (diesel) | Transmissions covered: Hurth, Paragon, Twin Disc, Velvet Drive, ZF | Jet drives covered: Berkeley, Chrysler, Dominator, Jacuzzi, Nomena, OMC, Panther Jet | Surface drive covered: Arneson. **IBS-3**



INBOARD/OUTDRIVE SERVICE MANUAL

From early '60s | Manufacturers covered: Chrysler (80

hp, Commando, Drive 90, 300); Evinrude (see OMC); Marine Drive Systems; MerCruiser (60, 80 & 90; 110, 120, 2.5L, 140[4], 3.0L, 140[6], 150, 160, 165 & Rover Diesel [includes drives I, I-A, I-B & I-C, 120, 140, 165, R, MR, Alpha One & EZ Shift Models]; II; 175, 185, 205, 4.3L, 4.3LX, 200, 215E, 215H, 225S, 228, 230, 5.0L, 5.0LX, 233, 250, 260, 350 Magnum, 5.7L, 888 & 898 [includes drives 898, 228, 250, R, MR & Alpha One]; III; 165, 3.7L, 170, 180, 3.7LX, 190, 470, 485, 488 [includes drives R, MR & Alpha One]; II-TR & II-TRS; Bravo One; MerCruiser Power Equipment Servicing); Outboard Marine Corp. (DU; NU; 100 to 245 hp prior to 1978; 400 & 800; Cobra & King Cobra); Pleasurecraft; Volvo (Engines; Aquamatic 100, 200, 250, 270, 275, 280, 290, SP & Duoprop); Waukesha. **IOS-6**



OUTBOARD MOTOR FLAT RATE MANUAL

Manufacturers covered: Chrysler, Clinton, Coast-to-Coast, Cruise 'N Carry, Eska, Evinrude,

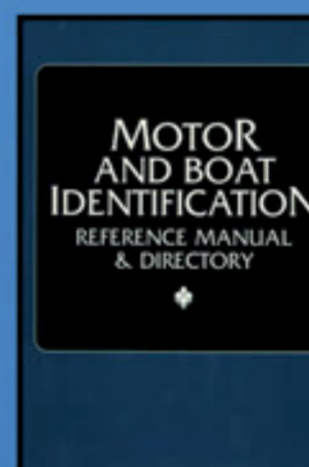
Federal, Force, Golden Jet, Hanimex, Hiawatha, Honda, Johnson, Mariner, Mercury, Nissan, Pathfinder, Seabreeze, Seaco, Seacruiser-Grant, Sea Hawk, Sea King, Sears, Skipper, Sportfisher, Suzuki, Tanaka, Tohatsu, Wizard, Yamaha. **OF-10**



WIRING DIAGRAMS

Outboard Motors and Inboard/Outdrives, 1956-1989 | Outboard manufacturers covered: Chrysler/

Force, Evinrude/Johnson, Mariner, Mercury, Suzuki, Tohatsu, Yamaha | Inboard/outdrive manufacturers covered: MerCruiser, OMC, Volvo. **BWD-1**



MOTOR AND BOAT IDENTIFICATION REFERENCE MANUAL

Coverage through 1996, includes outboard motor and stern drive identification numbers. **MMIC-3**

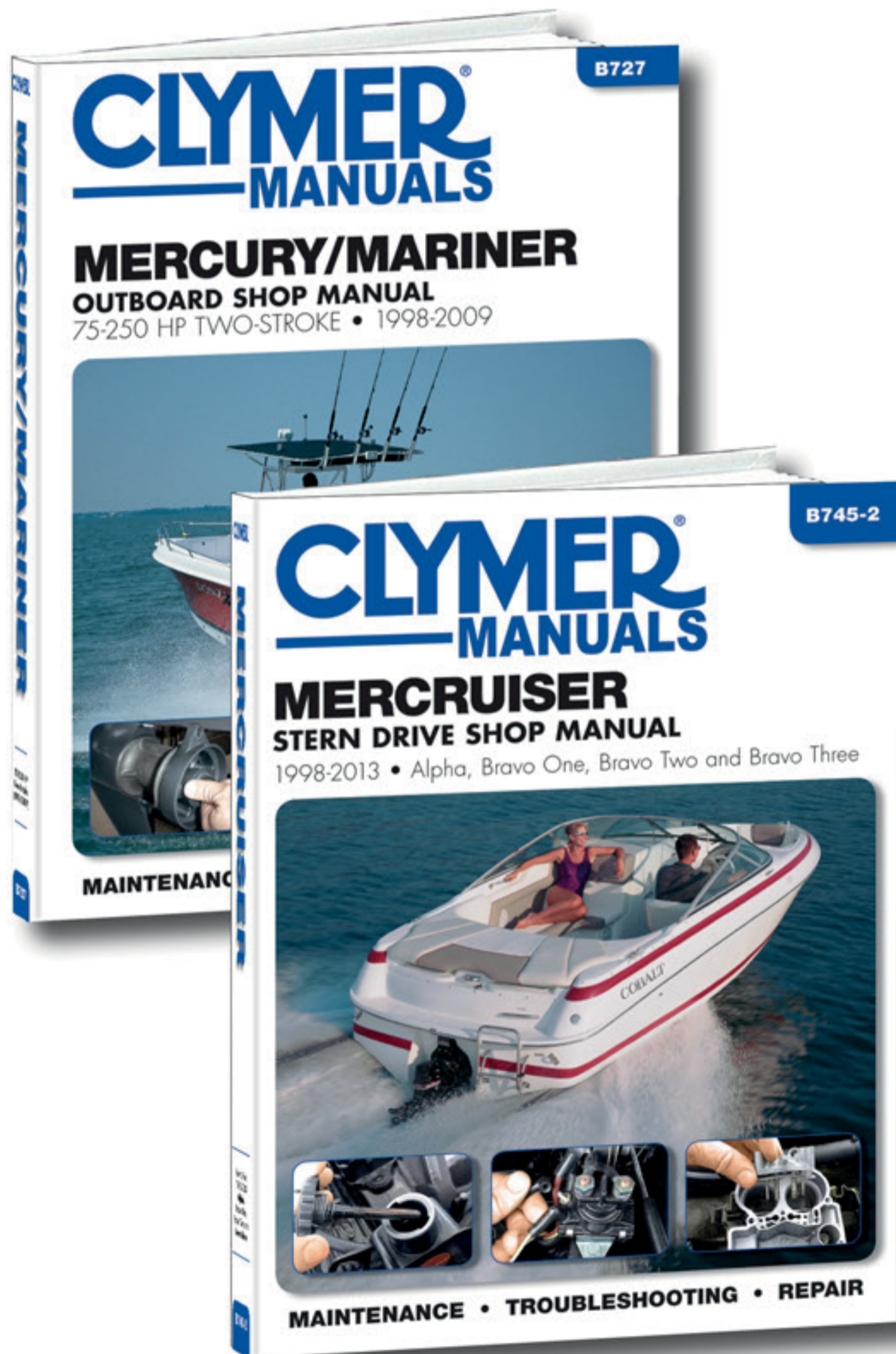
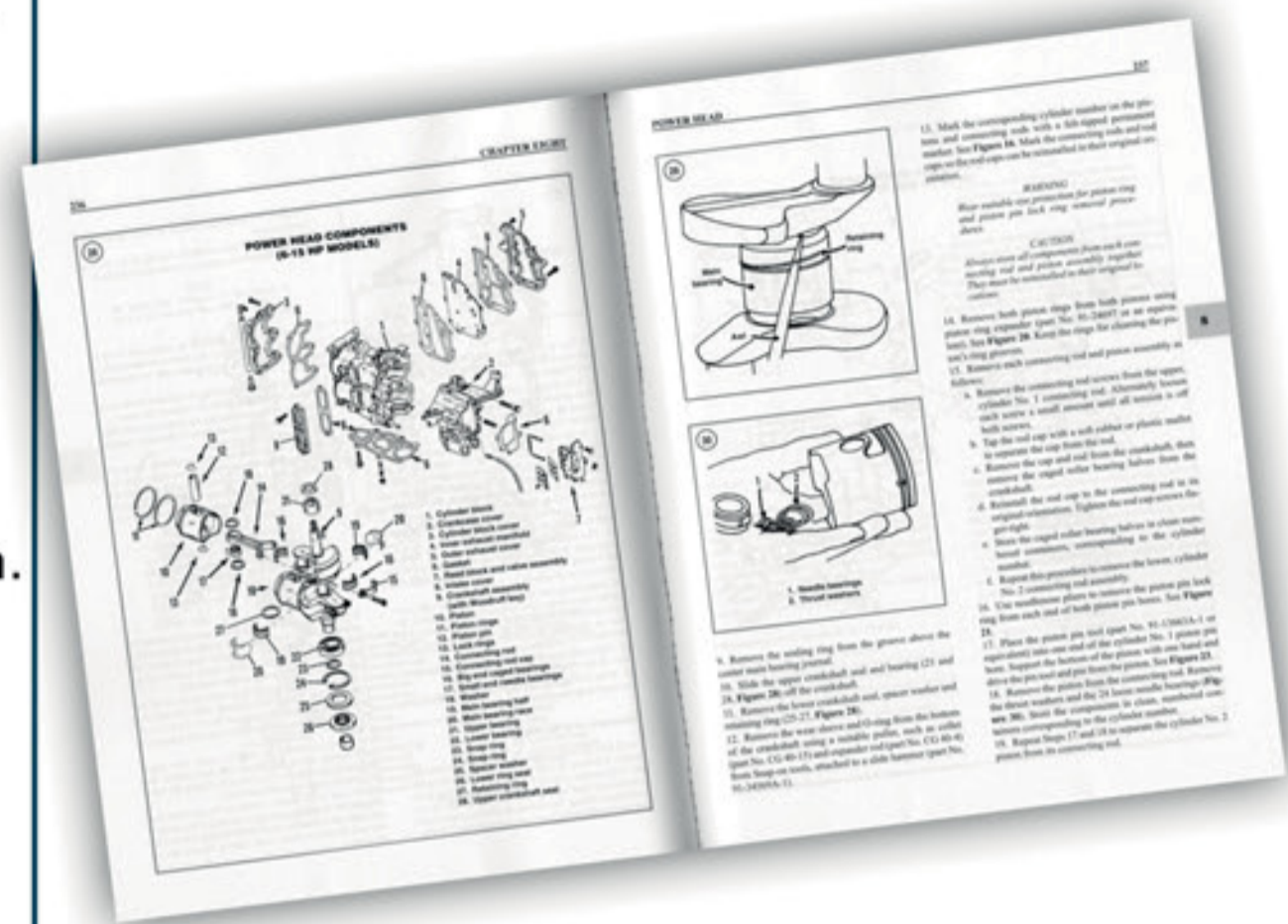
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