

WORX MXS-1 BILLET SHIFTER DRIVE



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WORX PERFORMANCE BILLET UPPER HOUSINGS and BILLET 2.0" SHORT GEARCASES



WORX 2002XS 6061-T6 SOLID BILLET 2.0" SHORTER LOWER GEARCASE

THIS PRECISION SOLID 6061-T6 BILLET LOWER GEARCASE IS THE FASTEST BRAVO* CONFIGURATION LOWER ON THE MARKET TODAY I SOME OF THE ADVANCED FEATURES INCLUDE: MACHINED FROM A SOLID CHUNK OF 6061-T6 BILLET vs CAST, HAS 3 GRATE STYLE LOW WATER INTAKE PICKUP --FEATURING STRAIGHT RAM WATER INTAKE, BULLET and LEADING EDGE COFIGURED FOR BEST HYDRODYNAMIC FLOW AVAILABLE, WORX INTERNAL LOWER VERTICAL SHAFT "MAX DUAL BEARING PACK" APPLIES 200 % INCREASED PINION GEAR DEFLECTION RESISTANCE FOR STABILE GEAR BACKLASH.

ALSO INCLUDED IS THE 9" AERO -WEDGE STYLE SKEG FOR THE MOST STEERING CONTROL – WITHOUT SCRUBBING SPEED . EARLY TESTING HAS SHOWN THE OVERALL CONFIGURATION OF THE WORX LOWER CASE TO BE THE MOST EFFICIENT BRAVO* CONFIGURATION LOWER CASE YET !!! AVAILABLE AS A COMPLETE LOWER WITH ALL THE RIPPED WORX INTERNALS IN 2.0" SHORTER – 1.26, 1.35, 1.50 RATIO. ALSO AVAILBLE ARE THE MATCHING WORX BILLET SPACER KITS IN 0.5", 1.0", 1.5", 2.0", 2.5" and 3.0" CONFIGURATIONS.



MAX MACHINE WURA PERFORMANCE DRIVES





WORX MOD BRAVO UPPER UNIT -- COMPLETE

THESE WORX MODIFIED BRAVO COMPLETE UPPER UNITS ARE PRECISION ASSEMBLED BY MAX MACHINE WORX TECHS WITH THE BEST COMPONENTS AVAILABLE TODAY. TRULY A COMPLETE PACKAGE— WITH THE ADVANCED DESIGN, MATERIALS, AND WORKMANSHIP. EACH PARTICULAR COMPONENT BEING DESIGNED SPECIFICALLY FOR ITS JOB IN THE SYSTEM YOU CAN BE CONFIDENT IN OPTIMUM PERFORMANCE UNDER CRITICAL CONDITIONS. THESE UPPER UNITS HAVE BEEN RIGOROUSLY AND THOROUGHLY TESTED UNDER ALL CONDITIONS WITH EXCELLENT RESULTS.



WORX BRAVO UPPER UNIT PARTS KIT

THESE WORX PARTS KITS ARE A COMPLETE UPGRADE KIT FOR ANY BRAVO UPPER COMPRISING OF ALL THE BEST COMPONENTS AVAILABLE TODAY. OVER THE LAST 11 YEARS MAX MACHINE WORX HAS RIGOROUSLY TESTED COMPONENTS IN ALL APPLICATIONS WITH EXCELLENT RESULTS.

THIS KIT INCLUDES THE FOLLOWING -

THE PATENTED WORX H.P. TOWER, WORX 2" BILLET TOP CAP, WORX 6X HI-TORK BEARINGS, WORX BILLET TORTIONAL UPPER-CLUTCHSHAFT, WORX BILLET INPUT YOKE OR WORX BILLET X-18 ASSEMBLY OR OEM L-18 U-JOINT ASSEMBLY, WORX BILLET DEEP THREAD SPANNER, WORX BILLET SEAL/O-RING CARRIER, WORX BILLET U-JOINT BEARING SPACER AND THRUST WASHER, WORX BILLET SHIFTER PIN, WORX BILLET TIM BLOCK, WORX HILLET EXT COUPLER, WORX TREATED OEM XR GEARSET, WORX H.D. 6X UPPER GEAR BEARINGS, WORX H.D. 6X CAGED CLUTCHSHAFT BEARINGS, OEM XR CLUTCH AND CLUTCH THRUST BEARINGS, OEM SHIFT FORK, OEM GIMBAL BEARING, OEM RETAIN RING. TAKE YOUR UPPER UNIT TO THE MAX I





LATHAM, WPM, STEERING CONFIGURATIONS.

WORX PERFORMANCE - UPPER INDIVIDUAL PARTS



WORX UPPER UNIT INDIVIDUAL PARTS

SHAFT BEARING 18000 12500	
SHAFT BEARING 4400 4800	
W/ER BEARING 8600 11650	
BEARING 3300 8000	
IRUST BEARING 6400 14600	
BEARING 4400 6060	
	0000





WORX BILLET TORTIONAL U-JOINT ASSEMBLIES

THESE WORX PERFORMANCE BILLET TORTIONAL ALLOY U-JOINT ASSEMBLIES COME IN BOTH L-15 ORIGINAL REG AND L-18 ORIGINAL XR SIZES AND ARE BEEFED UP WITH EXCLUSIVE INTERNAL WEBBING FOR MAX STRENGTH AND ARE AN EXCELLENT UPGRADE FOR THE BRAVO DRIVE. AVAILABLE IN THE 1.T.S. LONG SHAFT CONFIGURATION AS WELL.



WORX HI-TORK BILLET INPUT YOKE & THRUST WASHER, SPACER

THIS BILLET TORTIONAL ALLOY INPUT YOKESHAFT IS DESIGNED TO COMBINE THE REG L-15 U-JOINT ASSEMBLY AND MATE TO THE XR 18 SPLINE PINION GEAR FOR XR GEAR UPGRADE INTO A REGULAR BRAVO UPPER CASE. OTHER WORX PARTS INCLUDE THE BILLET 8620 ALLOY STEPPED THRUST WASHER & TRUE RIGID U-JOINT BEARING PRELOAD & BACKLASH SHIM KIT, WORX BILLET 8620 ALLOY U-JOINT BEARING SPACER, WORX 6X HI-TORK PINION NUT & WASHER.

WORX 6X HI-TORK PRECISION BEARINGS

THESE WORX EXCLUSIVE UPPER UNIT BEARINGS ELIMINATE THE EXCESSIVE AXIAL AND RADIAL MOVEMENT OF THE COMPONENTS INSIDE THE UPPER UNIT. DESIGNED TO HANDLE HI-SPEEDS AND LOADS – UP TO 6 X AS MUCH AS STOCK OR OTHER AFTERMARKET BEARINGS. THE WORX BEARINGS PRECISION TOLERENCES ELIMINATE MULTIPLE FAILURES SUCH AS GEAR BACKLASH INCREASE UNDER HARD LOADS. SEE THE BEARING COMPARISON CHART.





WORX TREATED OEM XR 3PC GEARSETS

THESE WORX TREATED OEM XR GEARSETS ARE NEAR-NET FORGED FOR THE STRONGEST MATERIAL GRAIN STRUCTURE AVAILABLE TODAY. DEBURRED, AND INSPECTED BY MAX MACHINE WORX ASSURE THE HIGHEST QUALITY AND PERFORMANCE. WITH THE ADDED WEB @ THE ROOT OF EACH TOOTH THESE GEARS ARE STRONGER BY DESIGN. IN STOCK AND AVAILABLE FOR ALL BRAVO AND BLACKHAWK DRIVES TODAY!







PART# MMWX410









PART# MMWX426



WORX PERFORMANCE OEM BRAVO LOWER UNIT-COMPLETE and HOUSINGS

THESE MAX MACHINE WORX PRECISION ASSEMBLED COMPLETE RACE LOWERS UTILIZE THE WORX BILLET TORTIONAL AEROSPACE ALLOY SHAFTS – THE ONLY TRULY TORTIONAL SHAFT ON THE MARKET TODAY, ABSORBING UP TO 35% OF THE LOAD FROM BEING TRANSFERRED TO OTHER COMPONENTS IN THE DRIVE. AVAILABLE IN REGULAR SIZES ALSO THE 1 1/4 " LARGER PROPSHAFT SIZES TO CUSTOM MEET YOUR DEMANDS.

ALSO INCLUDED IS THE BILLET PROPSHAFT CARRIER ,LARGER PROPSHAFT BEARING FOR MAXIMUM SHAFT STABALIZATION . ALSO AVAILABLE WITH THE STANDARD CARRIER AND BEARING IF REQUESTED. ALL WORX LOWERS COME STANDARD WITH NET-FORGED GEARSETS. THESE NET FORGED GEARSETS ARE ABSOLUTELY THE STRONGEST GEARSETS DUE TO THE GRAIN STRUCTURE SUPERIORITY (THE GRAIN OF THE METAL IS NOT CUT THROUGH TO FORM THE SHAPE OF THE GEAR TEETH AS IT IS IN A BILLET GEAR) THE GRAIN IS THE SHAPE OF THE TOOTH RESULTING IN A MUCH STRONGER GEAR — THEN TO TAKE IT TO THE MAX THE OEM GEARS ARE RECARBURIZED [CASE HARDENED]TO .060"-.080' DEEP - TWICE AS DEEP FOR ELIMINATION OF THE PITTING PROBLEMS.

THESE FACTORS RESULT IN A SUPERIOR PERFORMING LOWER UNIT. AVAILABLE WITH REGULAR OR LOW WATER NOSECONE AND YOUR CHOICES OF GEAR RATIOS 1.50, 1.35, OR 1.26







WORX BRAVO 1 LOWER UNIT PARTS KIT

THIS KIT INCLUDES : WORX BILLET LOWER TORTIONAL AEROSPACE ALLOY VERTICAL SHAFT AND EITHER THE WORX 1.00" OR 1.250" PROPSHAFT. YOUR CHOICE OF BILLET OR OEM PROPSHAFT CARRIER WITH SPANNER NUT, TAB WASHER, SPACER, LOAD RING OR RIGID SHIM PACK. ALSO INCLUDED IS THE WORX & HI-TORX PINION NUT AND WASHER, ALL TIMKEN PERFORMANCE BEARINGS, RACES, AND SHIM PACKS . ALSO INCLUDED IS THE NEAR-NET FORGED LOWER GEAR SET IN YOUR CHOICE OF 1.50, 1.35, OR 1.26 RATIOS. OPTIONAL REGULAR AND LOW WATER PICKUP BULLETS AND CASE HOUSINGS ALSO AVAILABLE.

WORX H.D. & REG LOWER BEARING KITS

THESE H.D. & REG LOWERS BEARING KITS FEATURE THE LARGEST BEARINGS AVAILABLE FOR THE BRAVO* CONFIGURATION LOWER CASES. USING ONLY HIGH OUALITY TIMKEN, INA, TORRINGTON, SKF, or RBC YOU CAN BE ASSURED THESE ARE NOT CHEAP REPLACEMENTS. LOWER VERTICAL SHAFT ROLLER NEEDLE BEARINGS COME CAGED STYLE IN THE H.D. KIT AND FULL COMPLEMENT STYLE IN THE REG KIT. ALL BEARINGS IN STOCK AND AVAILABLE SEPERATELY.



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WORX TREATED OEM NET-FORGED LOWER GEARSETS

THE OEM NEAR-NET FORGED LOWER GEARSETS UTILIZE THE ADVANCED STRUCTURAL DESIGN OF THE ACTUAL MATERIAL GRAIN – THE GRAIN FLOWS WITH THE ACTUAL SHAPE OF THE GEAR TOOTH INSTEAD OF BEING CUT THROUGH AS WITH A BILLET GEAR .THIS FACT COMBINED WITH THE ADDED FLOOR DESIGN @ THE ROOTOF EACH TOOTH – NOT AVAILABLE WITH A CUT OR SHAPED TOOTH – INCREASES THE LOAD THAT CAN BE APPLIED TO THE TEETH.

THEN THESE OEM SETS ARE CHECKED @ THE ENGAGEMENT SURFACE OF THE ACTUAL TOOTH - ALL THE WAY AROUND THE GEAR FOR ANY OUT OF ROUND CONDITIONS, THEN ANNEALED, RECARBURIZED -(CASE HARDENED) TO A DEPTH OF .060-.080", HARDENED, STRESS RELIEVED, AND FINSH BLASTED FOR A TECHNOLOGICALLY SUPERIOR GEARSET. AVAILIBLE IN 1.50, 1.35, OR 1.26 RATIOS.



WORX 17-4 STAINLESS STEEL GIMBAL RINGS

THESE 17-4 STAINLESS STEEL H.D. GIMBAL RINGS HAVE AN UNMATCHED TENSILE STRENGTH OF ALL AVAILABLE BRAVO* RINGS ON THE MARKET TODAY. UTILIZING THE EARLY GUSSETED DESIGN THESE ARE THE STRONGEST DESIGN OF ALL BRAVO* RINGS. ALSO INCLUDED ARE THE WORX H.D. DELRIN OR SAE 841 OIL IMPREGNATED BRONZE H.D. BUSHINGS AND AVAILABLE ARE THE MIL SPEC 300 S.S. 1/4-20 GIMBAL HINGE PIN BOLTS FOR SUPERIOR 180,000 PSI MINIMUM TENSILE STRENGTH .DESIGNED TO WORK WITH MOST STEERING AND THE OEM H.P. HARDWARE. SOLVE YOUR GIMBAL RING ISSUES !! **** SPECIAL ORDER ONLY















WORX 17-4 STAINLESS STEEL H.D. GIMBAL HELMETS

THESE 17-4 STAINLESS STEEL H.D. GIMBAL HELMETS ARE THE BRAVO HELMET CONFIGURATION AT IT'S STRONGEST. POLISHED AND CUSTOM FIT WITH ULTRA HEAVY DUTY SAE 841 OIL IMPREGNATED BRONZE BUSHINGS OR DELRIN H.D. 1.125" BUSHINGS - AT 1.125" THESE BUSHINGS ARE A FULL 1/8 TH INCH LARGER THAN OEM OR OTHER AFTERMARKET HELMETS . THEY ARE DEFINITELY DESIGNED TO HANDLE THE POWER AND TORQUE FROM TODAY'S POWERPLANTS. AVAILABLE IN H.P. PIN CONFIGURATION ONLY. **** SPECIAL ORDER ONLY

WORX BILLET 6061-T6 REGULAR & SPORTMASTER SPACER KITS 0.5", 1.0", 1.5", 2.0"

THE WORX BILLET SPACER KITS ALLOW FOR CUSTOM DRIVE HEIGHT MODIFICATION BY THE HALF INCH FOR MAX PERFORMANCE. AVAILBLE IN – 0.5", 1.0", 1.5", 2.0", 2.5", and 3.0" LENGTHS AND IN THE REG STYLE (FULL LENGTH) AND ALSO IN THE WORX PERFORMANCE STYLE (SHORT - CUT OFF LENGTH) – MATCHING THE WORX BILLET LOWER and ALSO THE OEM SPORTMASTER. THE KITS INCLUDE ALL NECESSARY HARDWARE, O-RINGS, STUD KTI, AND THE WORX BILLET TORTIONALEXT COUPLER -AND ARE AVAILABLE IN WORX POLISHED CLEAR ANODIZE



PAGE 9	POLICIES		WWW.MAXMACHINEWORX.COM	928 505 7860
<u>PRICING :</u>	MANUFACTURERS , BOAT WILL BE REQUIRED . TO (1. 2.	REPAIR SHOPS, ETC. BEFORE T QUALIFY, WE REQUIRE THE FOI COPY OF CURRENT SALES TAX C COMPANY LETTERHEAD		
		BUSINESS CARD		
	POSSESSION OF OUR PR PRICES AND TERMS SUP		QUALIFICATION TO PURCHASE A BJECT TO CHANGE WITHOUT NO S.	
<u>TERMS :</u>		E TRANSFER . PERSONAL AND C	IERS CHECK/ MONEY ORDER . INTI OMPANY CHECKS ARE ACCEPTED	
<u>SHIPPING</u>	ARE ALSO AVAILABLE . E SHIPMENT DAMAGE CLA PRODUCTS TO MMWX -	DAMAGE DUE TO SHIPPER IS NOT IMS MUST BE MADE DIRECTLY W - SUCH SHIPMENTS WILL NOT BI RE AS FOLLOWS : 1. OVERNIGH	S OTHERWISE SPECIFIED . UPS AIR THE RESPONSIBILITY OF MAX MAY ITH THE FREIGHT CARRIER. DO NO E ACCEPTED . T SHIPMENTS WILL BE ASSESSED \$2 DAY SHIPMENTS WILL BE ASSESSED	CHINE WORX , INC . DT RETURN DAMAGED 25.00
FAX ORDI			FO OUR FAX NUMBER — 928 505 64 NT THE ORDER WAS RECEIVED BY N	
<u>SPECIAL C</u>		EQUIRED ON ALL CUSTOM MAN THESES ORDERS — NO EXCEPTIC	IUFACTURED OR SPECIAL ORDERS DNS .	
BACK ORI	DERS : PARTS NOT AVAILA AS POSSIBLE .	BLE FOR IMMEDIATE SHIPMENT	WILL BE PLACED ON BACK ORDER	AND SHIPPED AS SOON
<u>CLAIMS :</u>	CLAIMS FOR SHORTAGES O MUST INCLUDE A COPY OF		E MADE WITHIN 3 DAYS OF RECIEP	T OF SHIPMENT AND
<u>RETURNE</u>	BE PREPAID AND 30 % RESTOCKIN	O A COPY OF THE INVOICE MUST IG CHARGE . SCRATCHED , DAM OUR DISCRETION . CUSTOMER	REDIT UNLESS AUTHOURIZED BY M BE INCLUDED . ALL RETURNED ITI AGED OR INCOMPLETE PARTS WIL IS RESPONSIBLE FOR ADEQUATE P	EMS ARE SUBJECT TO A L BE CHARGED AT A
WARRAN	DELIVERY . ALL DEFEC	CTIVE COMPONENTS MUST BE RE ILL , AT ITS DESCRETION , REPAIR	EFECTS IN MATERIALS AND WORK TURNED TO MMWX WITHIN 14 DA OR REPLACE SAID COMPONENT I	AYS OF RECIEPT OF
	MMW/X WILL IN NO W UPON INSTALLATION STRESSES PLACED ON THESE PARTS ARE INS	, <u>THERE IS NO WARRANTY STA</u> HIGH PERFORMANCE AND RAC	THE COST OF THE ORIGINAL PROI <u>IED OR IMPLIED</u> DUE TO THE EXTI NG PARTS, AND WE HAVE NO CO ARSETS ARE NOT COVERED, OEM <u>OWNERS RESPONSIBILITY</u>	REME AND UNUSUAL
	<u>3</u> : DRIVE SYSTEMS AND CO			
RESPONSI	FO EXTREME ABUSE . IT IS T BILITY TO CHECK ALL DRIV IG PROP AND GEARLUBE , F ON . MMWX DOES NOT ENG	E COMPONENTS , PRIOR TO EVERY	MAX MACHINE WORX PAT ORIGINAL BILLET CHROMOLY	
COMPON EXCEPT O	BINATION OF OUR DRIVE ENTS WITH THOSE OF OTH EM MERCRUISER . MMWX S	YSTEMS ARE NOT		
	RILY TRANSFERABLE FROM			

ANOTHER AND MAY CONSTITUTE A HAZARD IF USED INCORRECTLY.

IF YOU HAVE ANY QUESTIONS PLEASE CALL 928-505-7860

BRAVO and MERCRUISER ARE REGISTERED TRADEMARKS OF THE BRUNSWICK CORPORATION



WORX PERFORMANCE CUSTOMERS

2010 DESERT STORM SHOOTOUT – 1ST PLACE UNLIMITED SINGLE DECKBOAT 2009 DESERT STORM SHOOTOUT – 1ST PLACE UNLIMITED SINGLE DECKBOAT 2008 DESERT STORM SHOOTOUT – 1ST PLACE UNLIMITED SINGLE DECKBOAT 2009 LAKE RESCUE SHOOTOUT – 1ST PLACE UNLIMITED SINGLE ENGINE DECKBOAT 2008 LAKE RESCUE SHOOTOUT – 1ST PLACE UNLIMITED SINGLE ENGINE DECKBOAT BOAT SPECS : 2007 HOWARD 28FT SPORTDECK - 572CID W/ 8.0L WHIPPLE TOP SPEED 118 MPH DRIVE SPECS : MAX MACHINE WORX – MMWX900 UPPER / LOWER 1.35 RATIO



2008 DESERT STORM SHOOTOUT - 1ST PLACE UNLIMITED SINGLE ENGINE VEE PERFORMANCE BOATS MAGAZINE "FASTEST SINGLE ENGINE VEE- EVER TESTED"

BOAT SPECS : 2007 HOWARD 28FT BULLET - 598 CID W/WHIPPLE 5.0L 1345 HP / 1320 FT LBS TOP SPEED 130.1 MPH

DRIVE SPECS : MAX MACHINE WORX -- MXS-1 BILLET UPPER / MMWX2002XS LOWER

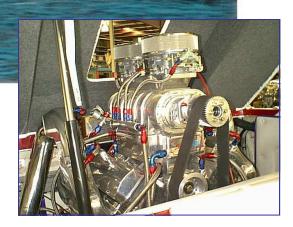


2005 LAKE RESCUE SHOOTOUT - 1ST PLACE UNLIMITED SINGLE ENGINE CAT

BOAT SPECS : 25 ELIMINATOR DAYTONA 605 CID W/ 14-71 BLOWER 1385 HP / 1350 FT LBS TOP SPEED : 132 MPH

DRIVE SPECS : MMWX900 UPPER / WORX BILLET 2.0" LOWER 1.35 RATIO





2010 DESERT STORM SHOOTOUT - 1ST PLACE - NATURALLY ASPIRATED SINGLE CAT 2009 DESERT STORM SHOOTOUT - 1ST PLACE - NATURALLY ASPIRATED SINGLE CAT 2008 DESERT STORM SHOOTOUT - 1ST PLACE - NATURALLY ASPIRATED SINGLE CAT

BOAT SPECS : 25 DAYTONA 680 HP SINGLE CARB DRIVE SPECS : MMWX900 UPPER / WORX BILLET 2" SHT LOWER



Calles

2009 CATALINA SKI RACE - 1ST PLACE - UNLIMITED WOMENS 2007 CATALINA SKI RACE – 2ND PLACE - MENS CLASS

BOAT SPECS - 42 FOUNTAIN LIGHTNING TWIN TEAGUE 900 HP

DRIVE SPECS - MMWX900 UPPERS / WORX MOD LOWERS

