

RESONATOR®

K



THE RESONATOR® K

SOUND SUPPRESSOR SYSTEM YHM-2150

SPECIFICATIONS	
PART NUMBER	YHM-2150
ATTACHMENT METHOD	1.375"-24 ADAPTABLE INTERFACE
OVERALL LENGTH	4.8" (5.7" WITH Q.D. ADAPTER)
DIAMETER	1.562"
WEIGHT	12.8 OZ (WITH Q.D. ADAPTER)
DECIBEL RATING	137 dB/144 dB (EAR/MUZZLE) TESTED ON 20" REMINGTON 700, .308 WIN
MATERIAL	17-4 PH S.S. WITH AN INCONEL BLAST BAFFLE
FINISH	MATTE BLACK HIGH TEMP CERAKOTE®

CALIBER RATING	
CARTRIDGE	MIN BARREL LENGTH
.300 WIN MAG / 300 RUM	20"
7.62x51 / .308 WIN	10.5"
7.62x39, 6.8SPC, 5.56 NATO	10.5"
300 BLK	8"

CAUTION
USING YOUR SUPPRESSOR ON A BARREL SHORTER THAN RECOMMENDED CAN CAUSE SUPPRESSOR FAILURE AND WILL NOT BE COVERED UNDER WARRANTY.

CONGRATULATIONS ON THE PURCHASE OF YOUR YHM RESONATOR® K SUPPRESSOR!

WITH PROPER CARE AND MAINTENANCE, YOUR SOUND SUPPRESSOR WILL PROVIDE YOU WITH YEARS OF TROUBLE-FREE SERVICE.

MANUFACTURER'S DISCLAIMER:

THE MANUFACTURER IS NOT RESPONSIBLE FOR IMPROPER USE OF THIS PRODUCT. THE PRODUCT IS POTENTIALLY DANGEROUS, AND AS SUCH, IT IS THE USER'S RESPONSIBILITY TO UNDERSTAND EVERY PART OF THIS MANUAL. PLEASE CONTACT THE MANUFACTURER FOR FURTHER CLARIFICATION.

WARNING!

DO NOT USE THIS SOUND SUPPRESSOR WITH WATER OR ANY OTHER MEDIA INSIDE THE SOUND SUPPRESSOR.
THIS WILL VOID YOUR WARRANTY AND MAY CAUSE A DANGEROUS INCREASE IN PRESSURES THAT COULD DAMAGE THE SUPPRESSOR
AND/OR THE HOST FIREARM OR CAUSE SERIOUS INJURY.

CAUTION:

BECAUSE SUPPRESSED FIREARMS MAKE LESS NOISE THAN NON-SUPPRESSED FIREARMS, IT IS EASY TO FORGET THAT THEY ARE STILL FIREARMS.
IT IS VERY IMPORTANT TO REMEMBER THAT A SUPPRESSED FIREARM IS JUST AS DANGEROUS
AS A NON-SUPPRESSED FIREARM AND THE SAME SAFE HANDLING TECHNIQUES AND PRACTICES SHOULD BE FOLLOWED.

NOTE:

IT IS POSSIBLE THAT WITH FIRING THE SUPPRESSOR MAY BECOME LOOSE, WHICH CAN CAUSE MISALIGNMENT. THEREFORE, IT IS IMPORTANT
THAT THE USER PERIODICALLY CHECK TO ENSURE THAT THE SUPPRESSOR REMAINS FIRMLY ATTACHED TO THE FIREARM AND THE
PHANTOM® Q.D. ADAPTER

WARRANTY:

YHM OFFERS A LIMITED LIFETIME WARRANTY AGAINST DEFECTS IN MATERIAL AND WORKMANSHIP. WE WILL REPAIR OR REPLACE ANY YHM SOUND SUPPRESSOR FREE OF CHARGE AS LONG AS THE WARRANTY HAS NOT BEEN VOIDED. ANY REPAIRS NOT COVERED BY THIS WARRANTY WILL BE CHARGED TO THE OWNER. THE WARRANTY WILL BE CONSIDERED NULL AND VOID AND YHM WILL NOT COVER DAMAGE TO THE SOUND SUPPRESSOR AND/OR HOST FIREARM RESULTING IN WHOLE OR IN PART FROM: CRIMINAL OR NEGLIGENT USE, MISUSE, CARELESS HANDLING, MODIFICATIONS, USE ON A BARREL SHORTER THAN OUR STATED MINIMUM BARREL LENGTH, USE OF A CRUSH WASHER, PEEL WASHER OR ANYTHING ELSE THAT CAUSES MISALIGNMENT, USE OF AMMUNITION THAT IS DEFECTIVE, IMPROPERLY HAND-LOADED, RELOADED, OR IMPROPERLY SIZED FOR THE SUPPRESSOR, ORDINARY WEAR AND TEAR.

YHM PRODUCTS ARE SOLD "AS IS" AND HAVE NO IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

NON-WARRANTY REPLACEMENT

IN THE EVENT THAT A SUPPRESSOR IS DESTROYED BEYOND REPAIR AND OUT OF THE CONFINES OF THE ABOVE MENTIONED WARRANTY, THE CUSTOMER MAY PURCHASE A REPLACEMENT SUPPRESSOR OF THE SAME MODEL FOR 50% OFF MSRP.

ATTENTION:

ALL OF OUR SUPPRESSORS ARE DESIGNED AND PRODUCED WITH STATE-OF-THE-ART COMPUTERIZED EQUIPMENT. WE MANUFACTURE AND INSPECT THEM TO EXACTING TOLERANCES. IF INSTALLED AND USED ACCORDING TO THE SPECIFICATIONS WITHIN THIS BOOKLET, A BAFFLE STRIKE IS HIGHLY UNLIKELY. IF A BAFFLE STRIKE WAS TO OCCUR DUE TO A MANUFACTURING DEFECT IT WOULD LIKELY HAPPEN DURING THE FIRST USE OF THE SUPPRESSOR. PLEASE BE VIGILANT WHEN USING YOUR SUPPRESSOR AND CHECK TO ENSURE THAT IT REMAINS FIRMLY ATTACHED TO THE HOST FIREARM.

THE MOST COMMON CAUSES OF BAFFLE STRIKES ARE:

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|---|---|
| 1) THE SUPPRESSOR COMING LOOSE FROM THE HOST FIREARM. | 3) INCORRECT INSTALLATION OF THE MOUNT OR SUPPRESSOR. |
| 2) POOR THREADS ON THE HOST FIREARM. | 4) IMPROPER OR POOR QUALITY AMMUNITION. |

INSTALLATION AND USE:

ONLY A LICENSED GUNSMITH EXPERIENCED WITH YOUR MODEL OF FIREARM SHOULD INSTALL THIS PRODUCT. FAILURE TO INSTALL THIS PRODUCT CORRECTLY VOIDS ANY WARRANTIES OF THE PRODUCT AND REMOVES ANY LIABILITIES AGAINST THE MANUFACTURER. BE CERTAIN THE FIREARM IS UNLOADED AND THE MUZZLE IS POINTED IN A SAFE DIRECTION BEFORE STARTING THIS REMOVAL AND INSTALLATION PROCESS.

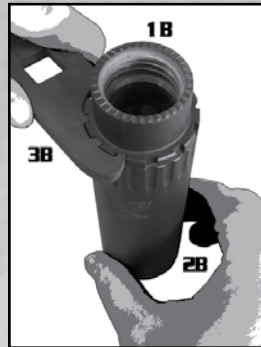
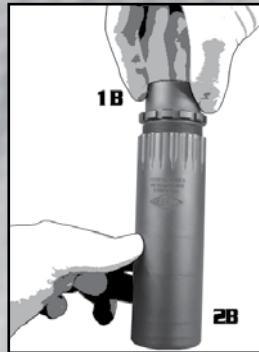
YHM.NET/INSTALLATION-INSTRUCTIONS/ (STEP BY STEP VIDEO INSTALLATION)

PHANTOM® Q.D. ADAPTER:

THE PHANTOM® Q.D. ADAPTER IS A PROPRIETARY MOUNTING SYSTEM, AND AS SUCH REQUIRES A COMPLEMENTARY MUZZLE DEVICE (INCLUDED).

THREAD THE PHANTOM® Q.D. ADAPTER (1B) ASSEMBLY INTO THE RESONATOR® K SUPPRESSOR BODY (2B) BY HAND, TAKING CARE NOT TO CROSS-THREAD.

HOLD THE RESONATOR® K BODY (2B) WITH A FIRM GRIP. USING THE SUPPLIED WRENCH (3B) TO GRASP THE NOTCHES IN THE BASE OF THE ADAPTER (1B), TIGHTEN THE ADAPTER IN A CLOCKWISE DIRECTION. TORQUE TO APPROXIMATELY 35 FT-LBS.



MUZZLE DEVICE:

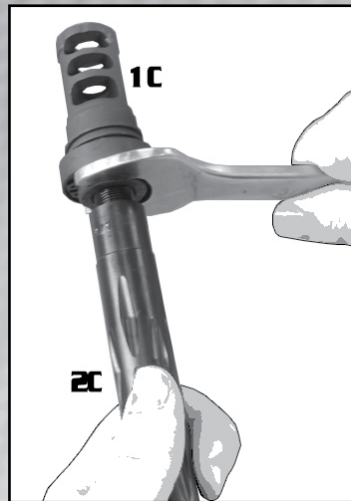
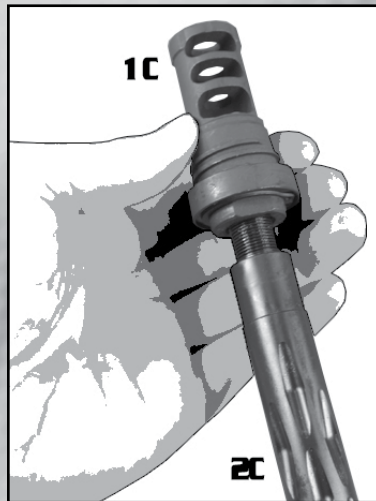
- (1) REMOVE YOUR EXISTING MUZZLE DEVICE
- (2) REMOVE THE CRUSH WASHER FROM BARREL THREADS.
- (3) INSTALL THE YHM® MUZZLE DEVICE (1C) BY THREADING IT ONTO THE BARREL (2C). IF YOU RECEIVED A MUZZLE BRAKE Q.D. MOUNT, USE THE PROVIDED SHIM KIT TO ENSURE PROPER MUZZLE DEVICE ALIGNMENT.
- (4) TIGHTEN ONTO BARREL USING A 3/4" OPEN END WRENCH.

FOR THE PROPER ALIGNMENT, IT IS ESSENTIAL THAT THE MUZZLE DEVICE SEATS AGAINST A 90° BARREL SHOULDER. THE FLASH HIDER/MUZZLE BRAKE SHOULD BE TORQUED TO 20-30 FT-LBS.

CRUSH WASHERS WILL VOID THE WARRANTY AS THEY DO NOT CRUSH UNIFORMLY AND WILL CAUSE IMPROPER MOUNTING AND BAFFLE STRIKES.

YANKEE HILL MACHINE RECOMMENDS THE USE OF THE INCLUDED SHIM KIT IF ANY INDEXING OF THE Q.D. MOUNT IS REQUIRED

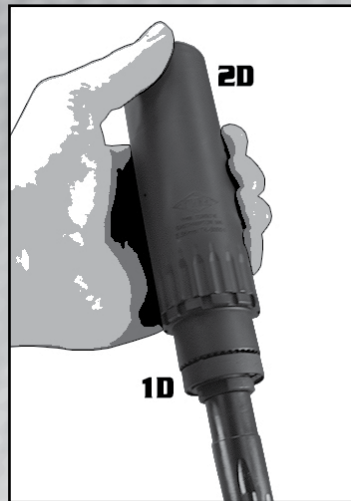
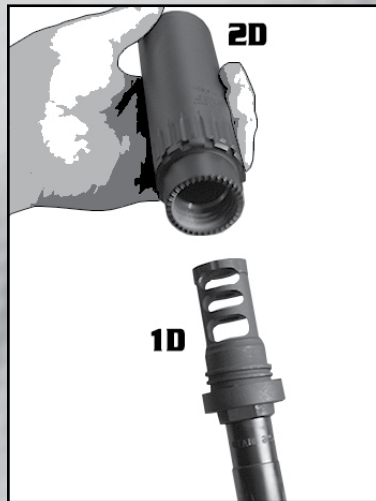
Visit WWW.YHM.NET for detailed instructions and thread specs



SUPPRESSOR:

INSTALL THE RESONATOR® K BODY (2D) BY SLIDING THE BACK END OVER THE YHM® PHANTOM® Q.D. MOUNT (1D) UNTIL IT STOPS, THEN TURN THE SUPPRESSOR (2D) CLOCKWISE TO HAND TIGHTEN.

THE RESONATOR® K BODY AND PHANTOM® Q.D. ADAPTER IS EASILY INSTALLED WITHOUT THE USE OF TOOLS BY SIMPLY THREADING IT ONTO THE Q.D. MOUNT. YOU WILL HEAR THE LOCKING MECHANISM CLICK AS THE SOUND SUPPRESSOR IS TIGHTENED. TIGHTEN THE SOUND SUPPRESSOR FIRMLY UNTIL THE RATCHETING STOPS TO ENSURE A CORRECT SEAL. TO REMOVE THE SOUND SUPPRESSOR SIMPLY UNSCREW FROM THE Q.D. MOUNT.



AMMUNITION: WE SUGGEST THE USE OF FACTORY LOADED MATCH, HUNTING, OR FULL METAL JACKET (FMJ) AMMUNITION WHEN SHOOTING WITH A SUPPRESSOR. THINLY JACKETED AND FRANGIBLE AMMUNITION CAN CAUSE JACKET SEPARATION RESULTING IN DAMAGE TO THE SUPPRESSOR. DAMAGE RESULTING FROM THE USE OF AMMUNITION WHERE JACKET SEPARATION WAS PRESENT WILL NOT BE COVERED UNDER WARRANTY. IT IS THE USER'S RESPONSIBILITY TO MAKE SURE THEIR AMMO CHOICE MATCHES THEIR BARREL'S LENGTH AND TWIST RATE. ADDITIONALLY, MANY SUBSONIC ROUNDS DO NOT PROPERLY STABILIZE IN THE VAST MAJORITY OF AVAILABLE BARRELS. THIS INCREASES THE RISK OF DAMAGE TO THE SUPPRESSOR CAUSED BY THE BULLET TUMBLING SHORTLY AFTER EXITING THE BORE. DAMAGE CAUSED BY THE USE OF SUBSONIC OR FRANGIBLE AMMUNITION WILL NOT BE COVERED UNDER WARRANTY.

HEAT WARNING: ALTHOUGH THE SUPPRESSOR WILL WITHSTAND FULL-AUTO FIRE, HEAT BUILDUP IS A MAJOR CONCERN. A 30 ROUND MAGAZINE OF FULLY AUTOMATIC FIRE CAN RAISE THE TEMPERATURE OF THE SUPPRESSOR 225 DEGREES FAHRENHEIT ABOVE AMBIENT TEMPERATURE. AT THIS TEMPERATURE, THE SUPPRESSOR CAN CAUSE SEVERE BURNS AND IGNITE FLAMMABLE MATERIALS. ALSO, AFTER 100 ROUNDS OF FULL-AUTO FIRE, THE BORE TEMPERATURE HAS BEEN ELEVATED ABOVE THE MELTING POINT OF LEAD. THIS CAN CAUSE THE BULLET CORE TO SOFTEN OR MELT, CREATING BULLET INSTABILITY AND GREATLY INCREASES THE CHANCE OF CAUSING DAMAGE TO THE SUPPRESSOR.

CARE: EXCESS OIL, DIRT, AND OTHER CONTAMINANTS SHOULD BE WIPED FROM THE OUTSIDE SURFACE USING A DAMP CLOTH. CLEANING OF THE INTERNALS IS RARELY NECESSARY BUT CAN BE ACCOMPLISHED BY SUBMERGING THE SUPPRESSOR IN A HYDROCARBON BASED GUN CLEANING SOLVENT (SUCH AS KROIL OR A MIXTURE OF 1 PART TRANSMISSION FLUID AND 2 PARTS MINERAL SPIRITS). ALLOW THE SOLVENT TO DRAIN OUT OF THE SUPPRESSOR AND BLOW OUT ANY REMAINING SOLVENT USING A HIGH PRESSURE AIR HOSE. THE MOST COMMON PROBLEM ENCOUNTERED WHEN USING A SOUND SUPPRESSOR IS CORROSION CAUSED BY CONDENSATION BUILDUP INSIDE THE SUPPRESSOR. THE BEST WAY TO PREVENT CORROSION OF YOUR RIFLE IS TO REMOVE THE SUPPRESSOR AS SOON AS YOU ARE FINISHED SHOOTING. THIS WILL AID IN THE EVAPORATION PROCESS. IF THE SOUND SUPPRESSOR IS TO REMAIN ON THE RIFLE, IT IS RECOMMENDED THAT THE RIFLE BE STORED IN A MUZZLE-DOWN POSITION WITH THE BOLT LEFT OPEN. THE PERIOD BETWEEN CLEANINGS WILL VARY DEPENDING ON WHAT TYPE OF AMMUNITION YOU ARE SHOOTING AS WELL AS ENVIRONMENTAL CONDITIONS. AS A GENERAL RULE, WE RECOMMEND CLEANING THE SOUND SUPPRESSOR AFTER EVERY 2000 TO 3000 ROUNDS.

NOTE: IT IS POSSIBLE THAT WITH FIRING THE SUPPRESSOR MAY BECOME LOOSE, WHICH CAN CAUSE MISALIGNMENT. THEREFORE, IT IS IMPORTANT THAT THE USER PERIODICALLY CHECK TO ENSURE THAT THE SUPPRESSOR REMAINS FIRMLY ATTACHED TO THE FIREARM.

THE RESONATOR® K

COMPATIBLE FLASH HIDERS



YHM-3302's



YHM-4302's



YHM-3102's

THE RESONATOR® K

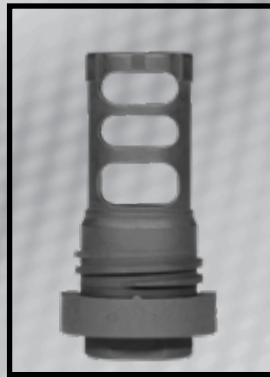
COMPATIBLE MUZZLE BRAKES



YHM-4315's



YHM-4302-MB



YHM-5M2-QD



YHM-3102-1 MB's

IF YOUR SOUND SUPPRESSOR
SHOULD EVER REQUIRE REPAIR,
PLEASE CONTACT YHM PRIOR TO SHIPPING.
THIS WILL HELP US SPEED THE REPAIR PROCESS.

YANKEE HILL MACHINE CO., INC.

412 MAIN STREET

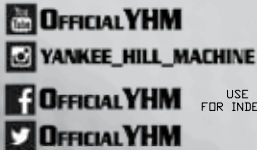
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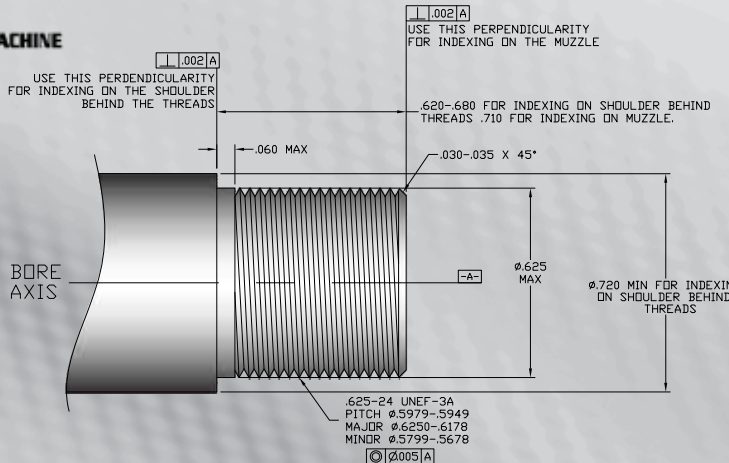
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TO RECEIVE A FREE T-SHIRT AT**

YHM.NET



5/8x24 THREAD SPECIFICATION REFERENCE



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*SILENCING
THE COMPETITION*

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