



YOSHIMURA

RESEARCH&DEVELOPMENT OF AMERICA, INC.

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www.yoshimura-rd.com



2RC-E46D0-V0



B4C-E46D0-T0-00



B2G-E46D0-T0-00

***Works Finish
R-77 Stainless Full-System
with Integrated Catalytic Converter***

Exempt from CA emissions regulations CCR27156 per executive order E.O.# K-004-10

California ARB Executive Order: K-004-10

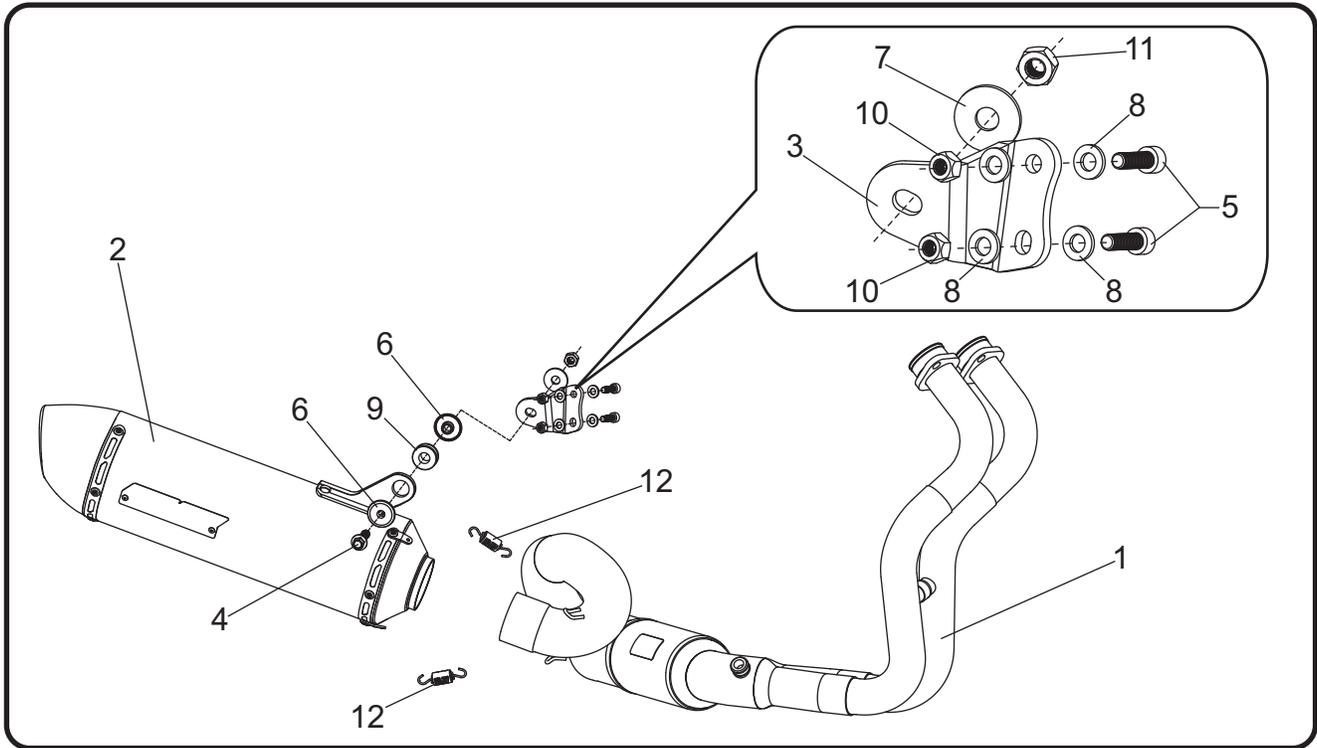
**Applications: 2015~2017 Yamaha FZ-07
2018~2019 Yamaha XSR700
2018~2019 Yamaha MT-07**

This Yoshimura R&D exhaust system has been tested and certified to be legal for sale and use on the specified models indicated in this installation manual in the State of California in accordance to the certification requirements as mandated by the California Air Resource Board. Installation and/or use of this exhaust system on applications not specified in this installation manual may be in violation of state and/or federal law and may lead to personal injury and/or death or property damage.

This Yoshimura R&D exhaust system is CARB/EPA tail-pipe emission compliant and is marked with appropriate EPA noise labels.

Yoshimura R&D USA recommends installation of the exhaust system and all components by a qualified technician ONLY.

Assembly Diagram



No.	Item	Description	Qty.
1	13700-401-EO	Y-Series Header	1
2	****	Y-Series Muffler	1
3	13700-BRKT-EO	Muffler Mount Bracket	1
4	M8X35H	8mm x 35mm Flanged Hex Head Bolt	1
5	M6X20	6mm x 20mm Socket Head Cap Bolt	2
6	ALS-043	Aluminum Spacer	2
7	8MMWASHERL	8mm Large Washer	1
8	6MMWASHER	6mm Washer	4
9	Z1023	Rubber Grommet	1
10	6MMLN	6mm Nylon Lock Nut	2
11	8MMNUT	8mm Nut	1
12	RACE-SPX-2	Small Exhaust Spring	2
**	ST-200	Spring Puller Tool	1

** Not shown in diagram.

**** Y-Series muffler replacement part number unavailable. Repair or replacement of Y-Series exhaust system is only available directly through Yoshimura R&D of America, Inc.

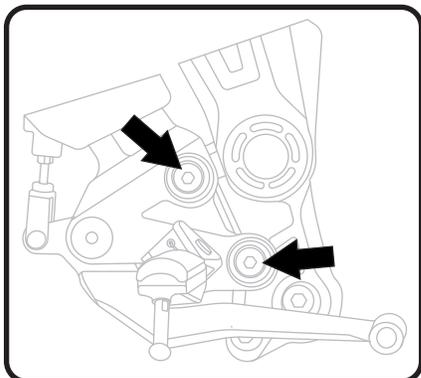
CAUTION: Exhaust system can be extremely hot. Let motorcycle cool down before beginning installation. Always wear hand and eye protection and take precautionary measures to avoid injury.

WARNING: Always properly support vehicle with a stand and/or lift when servicing or performing any work. Unstable vehicles may present dangerous conditions and may cause property damage and/or personal injury.

NOTE: Read through all instructions before beginning installation.

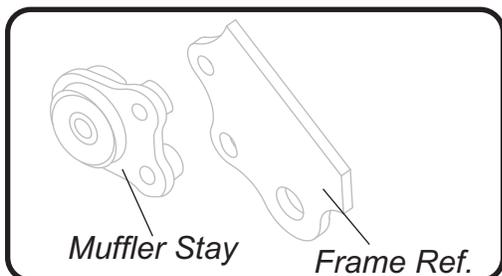
Removal

1. Remove the O2 sensor from the stock header.
2. Remove the two right side footpeg bracket bolts and move footpeg bracket to the side to access muffler mount bolts.



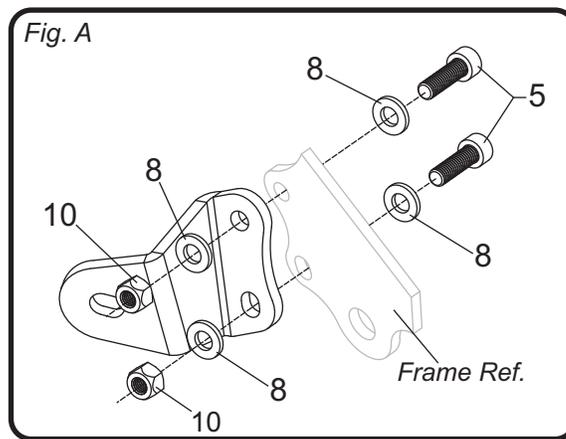
3. Remove the left and right muffler mount bolts securing the stock muffler assembly onto muffler mount bracket.
4. While securely supporting the stock muffler assembly, remove the header nuts and carefully remove the stock muffler assembly.

Note: Remove the stock left and right muffler stays (muffler mount brackets) as they will not be used with the Y-Series full-system.

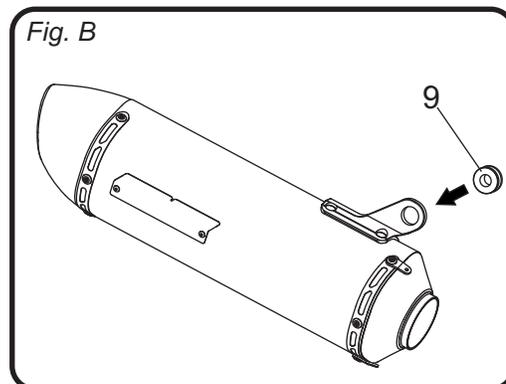


Installation

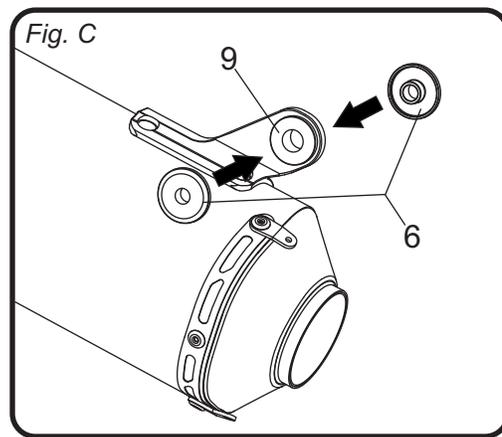
1. Install (No. 3) 13700-BRKT-EO, muffler mount bracket onto frame using (No. 5) M6X20, 6mm bolts, (No. 8) 6MMWASHER, 6mm washer, and (No. 10) 6MMLN, 6mm nuts as shown in Fig. A. Do not torque at this time.



2. Install (No. 9) Z1023, rubber grommet into muffler bracket as shown in Fig. B.



3. Install (No. 6) ALS-043, aluminum spacers onto the frontside and backside of (No. 9) Z1023, rubber grommet as shown in Fig. C.



4. Install (No. 1) *13700-401-EO*, Y-Series header using the stock header nuts. Do not torque at this time.

Note: The stock exhaust pipe gaskets will be re-used with the Y-Series full-system. Inspect and replace gasket if necessary.
5. Install (No. 2) *muffler*, onto (No. 1) *13700-401-EO*, header outlet.
6. Align muffler bracket to (No. 3) *13700-BRKT-EO*, muffler mount bracket and secure using (No. 4) *M8X35H*, 8mm bolt, (No. 7) *8MMWASHERL*, 8mm washer, and (No. 11) *8MMNUT*, 8mm nut as shown on the assembly diagram.
7. Torque (No. 5) *M6X20*, 6mm muffler mount bracket bolts to 9.5 Nm (0.95 kg-m, 7 ft-lb).
8. Torque (No. 4) *M8X35H*, 8mm muffler mount bolt to 23 Nm (2.3 kg-m, 17 ft-lb).
9. Torque header nuts to 20 Nm (2.0 kg-m, 14 ft-lb).
10. Re-install the stock O2 sensor into (No. 1) *13700-401-EO*, header and torque to 25 Nm (2.5 kg-m, 18 ft-lb).
11. Install (No. 12) *RACE-SPX-2*, small exhaust springs between the muffler and header using the supplied *ST-200*, spring puller tool.
12. Re-install the right footpeg bracket using the two stock bolts. Torque to 30 Nm (3.0 kg-m, 22 ft-lb).
13. Before starting vehicle, check for proper clearance between new exhaust system and rear suspension (i.e. tire, control arm, brakes, rear shock, and etc.) If any problem is found, please carefully follow through the installation steps again. If problem still persists, please call Yoshimura Tech Department at (800) 634-9166 / in CA (909) 628-4722.
14. It is recommended that the muffler and tailpipe be wiped down with rubbing alcohol to remove oil and fingerprints. This will help prevent tarnishing of the finish after the exhaust is heated up.

Note: After starting vehicle, it is normal for new exhaust system and muffler to emit smoke until oil residue burns off.

Works Finish Care & Maintenance

Before starting vehicle, clean pipe thoroughly using a soft cloth and rubbing alcohol to remove any oil and finger prints.

The color of the exhaust will change once the system has gone through a heat cycle of 15 minutes or more. Color will vary depending on lean/rich conditions.

Clean using a soft cloth and soap. Do not use abrasive materials as it will scratch the surface.

Surface reconditioning services are available to remove scratches and undesirable discoloration due to extreme heat. Contact Yoshimura Tech Department at (800) 634-9166 / in CA (909) 628-4722 for more information.

NOISE EMISSION WARRANTY

Yoshimura warrants that this exhaust system, at time of sale, meets all applicable U.S. E.P.A. Federal noise standards. This warranty extends to the first person who buys this exhaust system for purposes other than resale, and to all subsequent buyers. Warranty claims should be directed to Yoshimura R&D of America, Inc. 5420 Daniels St. Chino, CA 91710 | Tel (800) 634-9166

TAMPERING PROHIBITION

Federal law prohibits any modification to this exhaust system which causes the motorcycle to exceed the Federal noise standard. Use of the motorcycle with such a modified exhaust system is also prohibited.

Acts likely to constitute tampering include removal or puncturing the muffler, baffles, header pipes, or any other component which conducts exhaust gases.

WARNING: This product should be checked for repair or replacement if the motorcycle noise has increased significantly through use. Otherwise, the owner may become subject to penalties under state and local ordinances.

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Yoshimura Catalyzed Slip-on Exhaust System Limited Warranty

WARRANTY PERIOD FOR CATALYZED EXHAUST SYSTEMS

Yoshimura R&D of America, Inc warrants this catalyzed exhaust system to the original purchase to be free from manufacturing defects for the warranted period as specified below:

- 1) If the vehicle is within 4 years of its original new purchase date, the warranty period extends for 30,000km (18,641mi) or five (5) years from the date of installation, whichever occurs first.
- 2) If the vehicle is older than 4 years from its original new purchase date, the warranty period extends for 15,000km (9,375mi) or three (3) years from the date of installation, whichever occurs first.

Postage paid product registration is included with this kit. Registration MUST be completed within 30 days of product installation. WARRANTY IS VOID IF NO PRODUCT REGISTRATION IS ON FILE AT TIME OF CLAIM.

WARRANTY VOID UPON

- 1) Abuse, misuse, improper installation, and/or modifications included, but not limited to:
 - a. the use of race fuel and/or fuel additives
 - b. leaded fuel
 - c. altered fuel injection or ignition systems
 - d. Other alterations or modifications which affect exhaust emissions

NOTE: The Yoshimura R&D Catalyzed Exhaust System includes a 3-way catalytic converter. The catalytic converter is susceptible to damage from substances including but not limited to lead, manganese, silicon, etc.

- 2) Missing proof of purchase at time of warranty claim. Original purchase must provide proof of purchase (original receipt or invoice) and a warranty authorization number (RMA) issued by Yoshimura R&D.
- 3) Finishes such as plating, painted surfaces with discoloration, or rust due to inclement weather conditions, exposure to salt or chemicals, or lack of maintenance by the customer are not covered.

Extent of Warranty

- 1) Yoshimura R&D of America, Inc hereby warrants to the initial and each subsequent purchaser of this exhaust system that said exhaust system is designed and manufactured to comply with applicable California Air Resources Board requirements and is free from defects in materials and workmanship which might cause the part to fail to conform with applicable California Air Resources Board requirements or cause damage to any original part on the highway motorcycle.
- 2) Yoshimura R&D of America, Inc will repair or replace any defective exhaust system or component caused by manufacturing defects. Any system returned to be inspected for defects MUST have a Return Merchandise Authorization (RMA) which can be issued by our returns department. Yoshimura R&D recommends installation by qualified mechanics only.
- 3) Yoshimura is not responsible for any other expense incurred by the customer under the terms of this limited warranty, nor is Yoshimura responsible for damages either consequential, incidental, special, contingent or otherwise; or expenses or injury arising directly or indirectly from the use of the exhaust system.
- 4) Any exhaust system returned to Yoshimura must be sent at the customer's expense along with the proof of purchase and RMA.
- 5) Yoshimura reserves the right to determine whether the terms of the warranty, as stated above, have been properly followed. In the event that the terms are not followed, this warranty is void. Yoshimura makes the determination of abuse, misuse, installation errors and modifications—the warranty is void upon any of these conditions. The duration of any and all implied warranties are limited to the duration of the express warranty. All incidental or consequential damages are hereby excluded. The warranty gives the customer specific legal rights and the customer may have other rights which may vary from state to state. Some states do not allow the exclusion or limitation of incidental or consequential damages or limitations on the period of implied warranty. Please contact your local attorney to determine if these conditions apply.

Issues and Returns

If you have a fitment problem, missing parts, or other issues, please double-check this trouble shooting guide first:

- 1) Reference the instruction manual and double check all drawings and procedures.
- 2) Make sure ALL components are installed properly. Also verify part numbers on headers, tailpipes, and other components.
- 3) Always take time to examine the problem and/or issue in detail when providing information. The more clear we are on the issue, the better we can assist you.
- 4) When all else fails, call our technical support line at (909) 628-4722. The technical line is open 9:00am – 4:30pm Monday through Friday, Pacific Standard Time. Please have the following information handy:
 - a. Year/Make/Model of Vehicle
 - b. Date and Place of Purchase
 - c. Part Numbers and Batch Dates (stamped on tailpipe and/or muffler)
 - d. Other modifications/alterations to vehicle.
- 5) You may also contact us online via email at sales@yoshimura-rd.com or fax your questions/problems to (909) 591-2198.

Technical Questions:

See your local dealer or call Yoshimura R&D directly. Most jetting and EFI questions can be easily answered with a simple phone call.

To obtain technical information directly from Yoshimura R&D, call (909) 628-4722.

Dear Yoshimura Customer,

Congratulations and thank you for purchasing a Yoshimura Exhaust System. Over six decades of experience in research and development, state of the art machinery, materials and craftsmanship of the highest quality all come together in a product of exceptional quality and performance—in other words, this is the best thing you can put on your bike. We strive to provide you with a product perfect in fit and finish. However, if you have any problems, please give us a call. We have found that most fitment issues can be easily resolved by a conversation with one of our knowledgeable and friendly staff. If the issue cannot be resolved this way, our warranty evaluation program may be the answer. Please take a moment to review our recommendations for the care of your exhaust and our warranty information.

PLEASE NOTE: If you have any doubts about your exhaust: **DO NOT START THE MOTORCYCLE! ONCE AN EXHAUST HAS BEEN USED OR MODIFIED, IT CANNOT BE RETURNED FOR CREDIT OR EXCHANGE.**

EXHAUST SYSTEM MAINTENANCE

Yoshimura Exhaust Systems require very little care and maintenance; here are a few tips:

1. Use mild car/motorcycle soap to clean the exhaust system—do not use any abrasives or degreasers.
2. Clean your exhaust with metal/stainless polish every 1-2 months to retain the luster and remove dirt and grime. (DO NOT USE POLISH ON “WORKS FINISH” SYSTEMS)
3. Avoid contaminating exhaust surfaces when hot.
4. Your exhaust system will change color (blue, magenta, purple, and/or gold) due to heat; this is normal.
5. Keep all clamps, bolts and other fasteners tight as exhaust systems are susceptible to vibration damage.
6. If you ride in coastal regions or areas that use salt to control ice and snow, wipe the exhaust down after it cools to remove any possible salt residue, which can result in rusting.
7. If you are storing your motorcycle for the season, wipe the exhaust system down with rubbing alcohol before storage.
8. Head pipes glowing (visible in normal light) may indicate an excessively lean condition that must be corrected.

CARBON FIBER:

Carbon fiber equipped exhaust components require special attention. The following addresses wear issues directly related to carbon fiber:

1. Keep all clamps, bolts and other fasteners tight. Carbon Fiber is very susceptible to vibration damage.
2. Keep all chemicals and solvents away from the carbon fiber, as they will damage the finish.
3. High temperatures will cause the resin in the carbon fiber to break down. Visual signs such as an amber hue in the resin may be early signs of heat damage to carbon fiber.
4. Upon seeing amber colored resin, discontinue use. The exhaust system needs to be inspected by a representative from Yoshimura, for repack, and/or repair. Continued use will cause component failure.

STAINLESS STEEL:

Stainless Steel is not rust proof but is less prone to rusting, staining and pitting; but it is prone to oxidation like all metals.

WORKS FINISH:

1. Works Finish exhaust systems should never be cleaned with abrasives or polishes.
2. Yoshimura recommends using “Bar Keepers Friend” cleaner to remove minor stains.
3. Surface reconditioning services are available to remove scratches and undesirable discoloration due to extreme heat. Contact Yoshimura Tech Department at (800) 634-9166 / in CA (909) 628-4722 for more information.

RE-PACKING TIPS

To maintain maximum sound and engine performance the muffler packing will need to be replaced at some time during the muffler's life. Yoshimura recommends repacking your muffler at least once a year.

Failure to maintain the muffler packing may cause damage to the muffler and/or void the warranty. Regularly inspect the muffler body for discoloration, cracks, rattling, or other signs of wear caused by depleted muffler packing. If muffler packing is determined to be depleted or worn, a Yoshimura muffler re-pack kit is highly recommended to restore the muffler to optimum maximum performance.

Yoshimura offers a 3-5 day turn around (plus transit time) to inspect and refurbish used and damaged mufflers.

For more information on muffler repacking please visit our website at: <https://www.yoshimura-rd.com/pages/repack-and-insert-chart>

*****PRO TIP***** Before you install your new muffler for the first-time log the weight in your Owner's or Service manual along with the current hours or mileage on your vehicle. When you are performing periodic maintenance on your vehicle (like a tire change, or an oil change) you can remove your Yoshimura muffler from the vehicle and weigh it again. Over time, the packing material inside your muffler will burn off with use, and the muffler will need to be repacked. When the weight loses approximately 100 grams of the original weight, you should consider getting your Yoshimura muffler repacked. You can order repacking kit or the parts to repack the muffler from the Yoshimura website, or your local dealer. You can also contact the Yoshimura sales office and arrange to send in your muffler for the repacking service too.

IMPORTANT TECHNICAL NOTE

Yoshimura recommends on all race exhaust systems, that all spring joints be safety wired. Recommended wire type 304/316 stainless steel with a .032" diameter should be used.

YOSHIMURA EXHAUST LIMITED WARRANTY

All Yoshimura R&D of America, Inc., exhaust systems carry a one-year limited warranty against defects in workmanship and/or materials.

WHO IS COVERED?

This warranty is provided to the original purchaser of the exhaust system.

WHAT VOIDS THE WARRANTY?

1. Abuse, misuse, improper installation and/or modifications
2. Custom applications
3. No proof of purchase at the time of warranty. Claimant must provide proof of purchase (original receipt or invoice) and a warranty authorization number (RMA) obtained from Yoshimura.
4. Finishes such as plating or painted surfaces with discoloration or rust due to inclement weather conditions, exposure to salt, exposure to chemicals, or lack of maintenance by the customer are not covered.
5. International grey-market product purchased through a dealer/distributor not authorized for your country will not be supported by this warranty.

EXTENT OF WARRANTY:

Any defective exhaust system properly returned to Yoshimura will be repaired or replaced by Yoshimura. Yoshimura is not responsible for any other expense incurred by the customer under the terms of this limited warranty, nor is Yoshimura responsible for any damages either consequential, incidental, special, contingent or otherwise; or expenses or injury arising directly or indirectly from the use of the exhaust system. Any exhaust system returned to Yoshimura must be sent at the customer's expense along with the proof of purchase and warranty authorization (RMA). Yoshimura reserves the right to determine whether the terms of the warranty, set out above, have been properly followed. In the event that the terms are not followed this warranty is void. Yoshimura is the sole determiner of abuse, misuse,

installation errors and modifications—should any of these be found, this warranty is void. The duration of any and all implied warranties are limited to the duration of the express warranty. All incidental or consequential damages are hereby excluded. The warranty gives you specific legal rights and you may have other rights, which vary from state to state. Some states do not allow the exclusion or limitation of incidental or consequential damages or limitations on how long an implied warranty lasts, so the above limitations and exclusions may not apply to you.

If you have a fitment or other problem, or are missing a part, please double-check this trouble shooting guide first:

1. Reference your instruction sheet and double-check all drawings and instructions
2. Make sure muffler clamps are installed correctly (refer to instructions diagram). On many models, there is a right and wrong way to install. Also verify part numbers on headers and tail pipe.
3. Always make sure to install spring-mounted manifolds and flanges on cylinder head prior to installing headers.
4. Always take time to examine problems in detail.
5. When all else fails, call our technical support line at (909) 628-4722. The technical line is open 9:00am – 4:30pm Monday through Friday, Pacific Time. Please have the following information handy: Year/Make/Model of motorcycle, date of purchase, place of purchase, batch dates and part numbers (found on header and tail-pipe components).
6. Also, feel free to ask through online e-mail at sales@yoshimura-rd.com, or fax your question/problems to (909) 591-2198.

To obtain technical information directly from Yoshimura, call (909) 628-4722.