MID UNIT

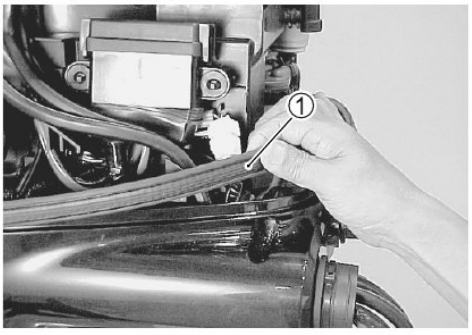
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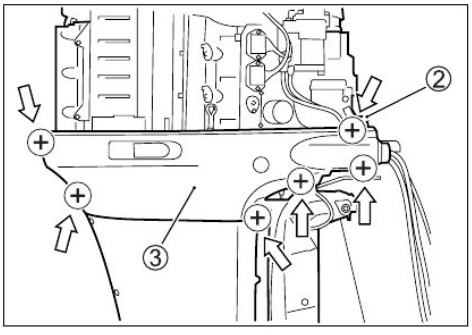
ENGINE SIDE COVER

REMOVAL

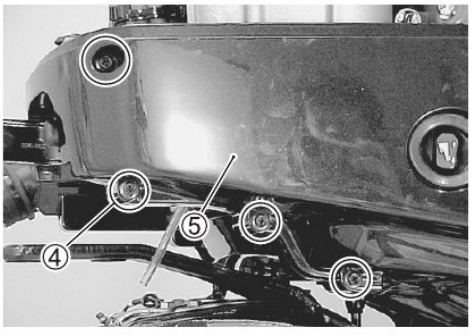
Remove the side cover rubber ①.



Remove six (6) screws ② and STBD side cover ③.



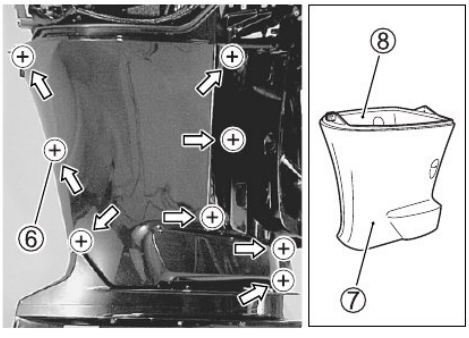
Remove four (4) screws ④ and PORT side cover ⑤.



Disconnect PTT switch lead connector.



Remove eight (8) screws ⑥ and STBD/PORT oil pan covers ⑦·⑧.



INSTALLATION

Installation is reverse order of removal.

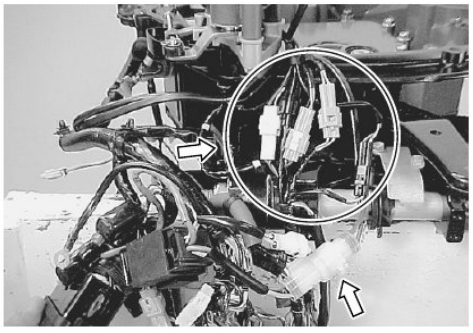
DRIVESHAFT HOUSING AND OIL PAN

REMOVAL

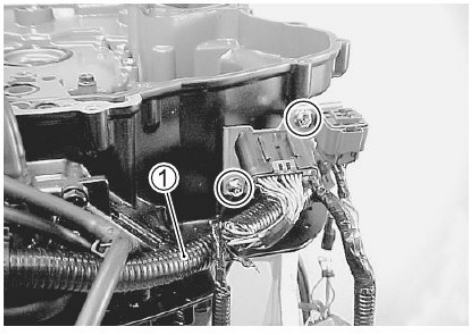
Remove power unit. (See page 6-11 to 6-17.)
Remove lower unit. (See page 9-2.)

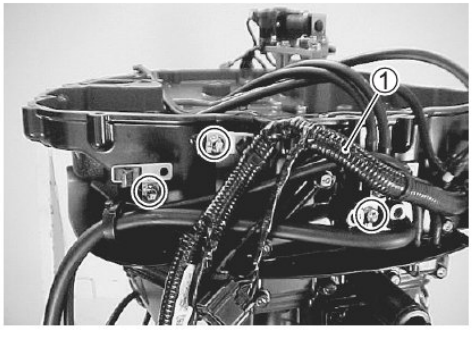
Disconnect following lead wire connectors.

- PTT motor cable wire
- Neutral switch lead wire
- Shift position sensor lead wire
- Tilt limit switch lead wire
- Shift actuator lead wire
- Trim sender lead wire

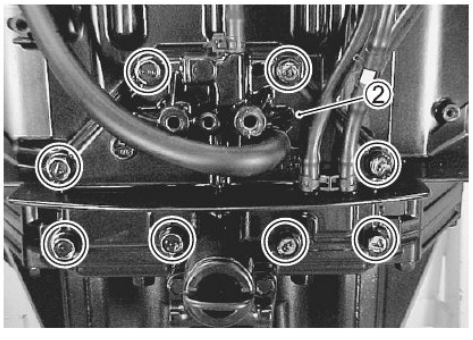


Remove the bolts securing harness clamp plates to engine holder, then remove the engine wiring harness ①.





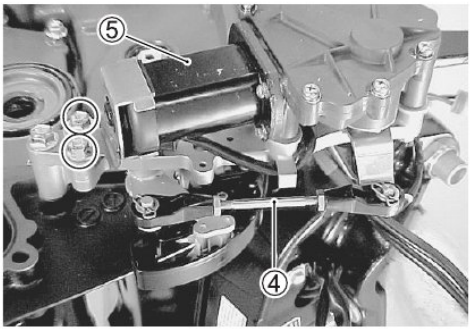
Remove eight (8) bolts and engine holder cover ②.



Disconnect cooling water hose ③ from oil pan.

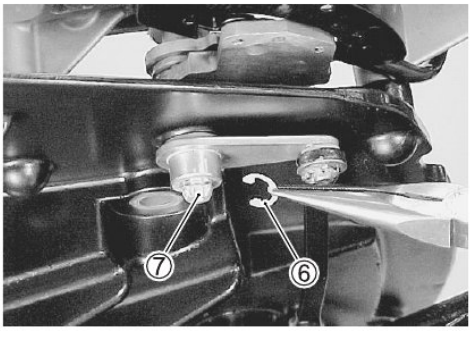


Remove clutch link rod ④.
Remove the five (5) bolts securing shift actuator ⑤, then remove shift actuator.

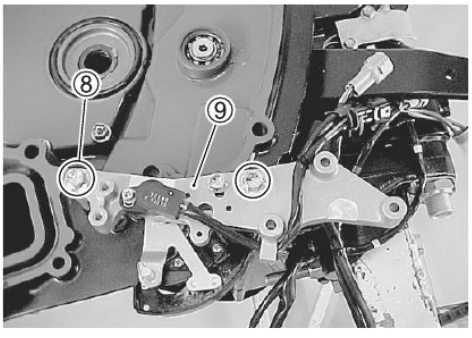




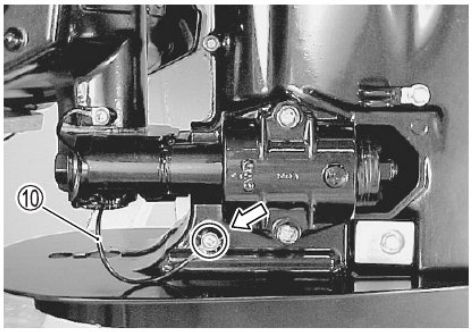
Remove E-ring ⑥ from clutch lever shaft ⑦.



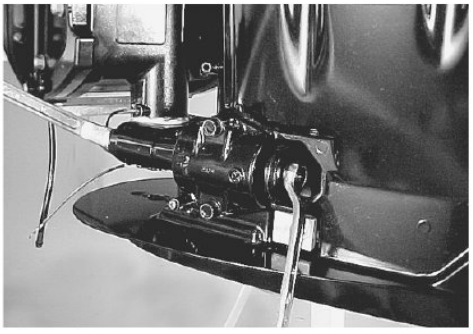
Remove two (2) bolts ⑧ and shift actuator holder ⑨.

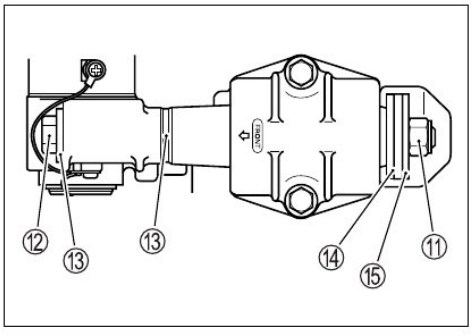


Remove screw and bonding wire ⑩ from driveshaft housing.

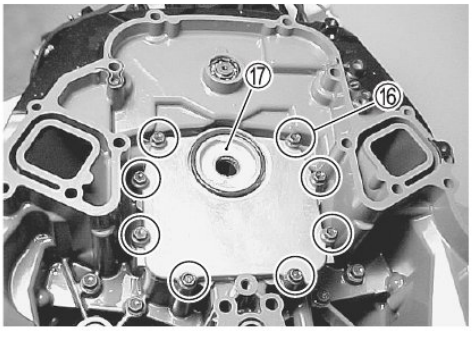


Remove STBD/PORT lower mount nuts ⑪ and lower mount bolts ⑫.
Account for washers ⑬, dampers ⑭ and washer ⑮.

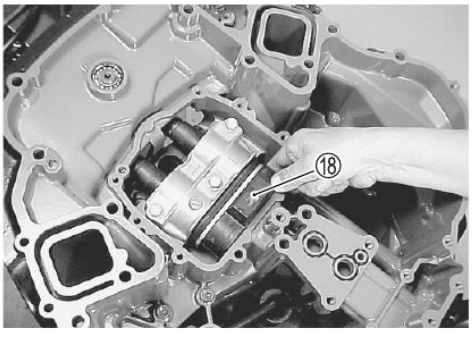




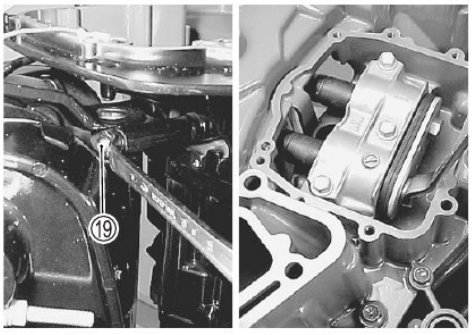
Remove eight (8) bolts ⑯ and the mount·oil seal cover ⑰.
Account for two (2) dowel pins.



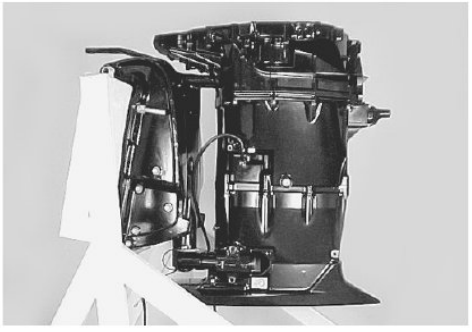
Remove thrust mount ⑱.



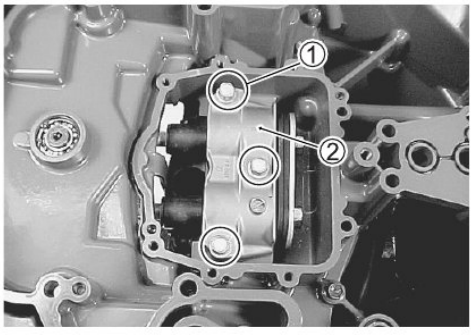
Remove STBD/PORT upper mount nuts ⑲ and washers.



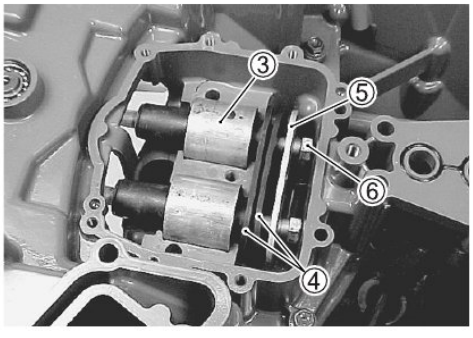
Remove driveshaft housing with oil pan.



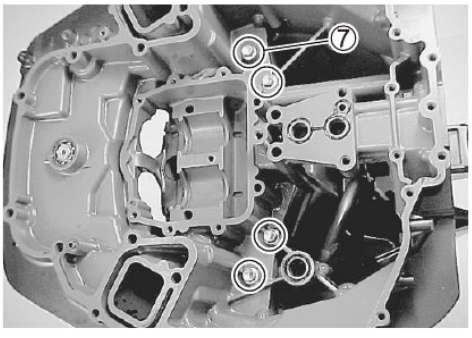
Remove three (3) bolts ① and upper mount cover ②.



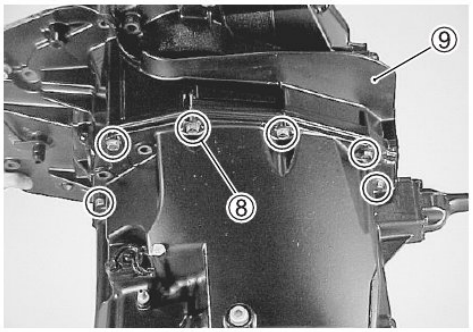
Remove upper mounts ③, thrust stoppers ④, mount plate ⑤ and mount bolts ⑥.

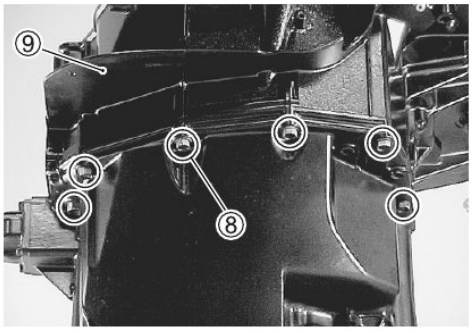


Remove four (4) exhaust tube bolts ⑦.

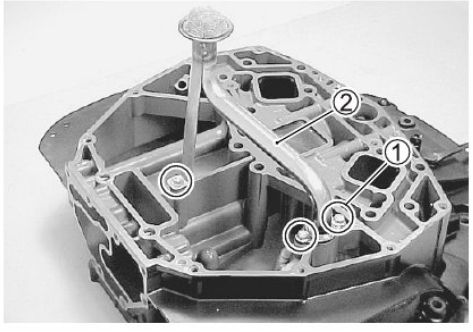


Remove twelve (12) bolts ⑧ and engine holder ⑨.

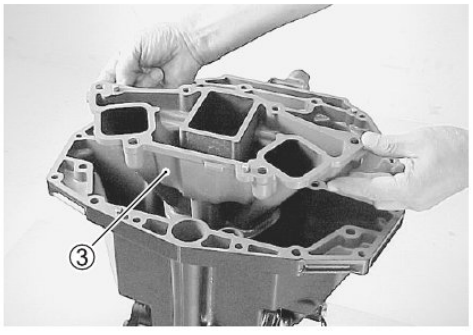




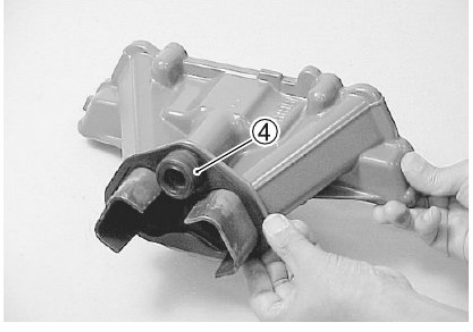
Remove three (3) bolts ① and oil strainer ②.



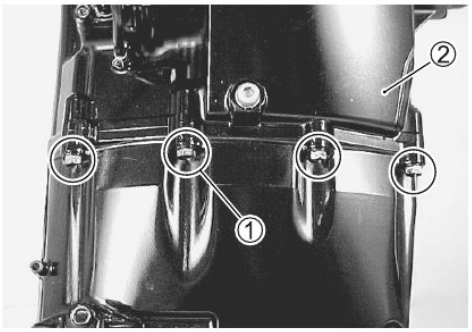
Remove the exhaust tube ③.



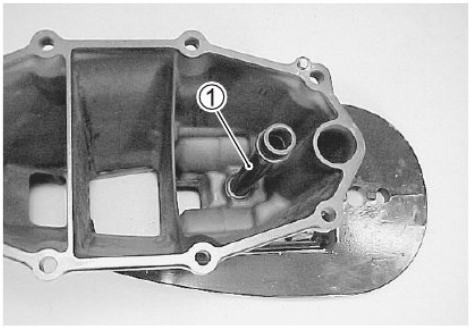
Remove the exhaust tube seal ④ from exhaust tube.



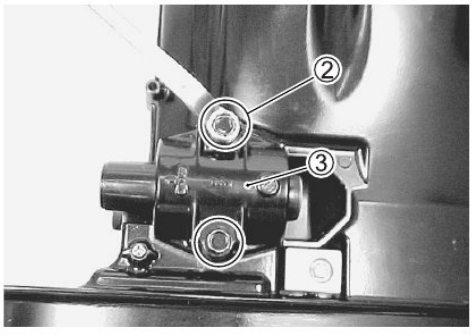
Remove eight (8) bolts ① and oil pan ②.

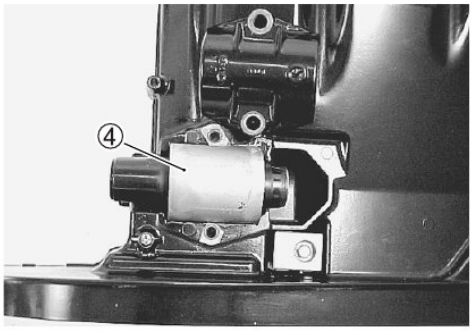


Remove water tube ①.



Remove bolts ②, lower mount cover ③ and lower mounts ④.



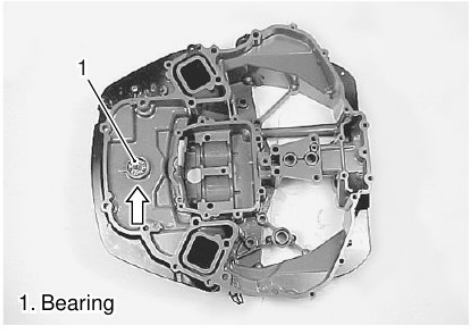


INSPECTION

NOTE:
If any component is found to be excessively worn, cracked, defective or damaged in any way, it must be replaced.

ENGINE HOLDER

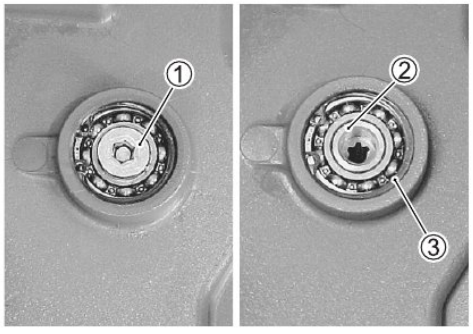
- Inspect engine holder. Replace if cracked, damaged, or other abnormal conditions are noted.
- Check water passage. If clogged or obstructed, clean water passage.
- Visually check the clutch shaft bearing. Replace if pitted, noisy, rough or other abnormal condition.
- Check clutch shaft oil seal. Replace oil seal if nicked, cut, worn or other abnormal conditions are noted.



1. Bearing

Replacing bearing and oil seal

1. Loosen and remove clutch shaft plug ①.
   Remove clutch shaft ②.
2. Remove circlip ③.

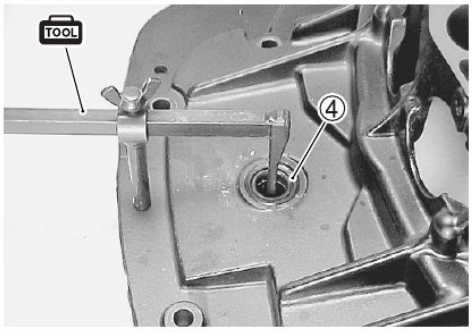


3. Extract oil seal ④ with oil seal remover.

TOOL **09913-50121: Oil seal remover**

CAUTION

Do not reuse oil seal once removed.
Always use a new oil seal.

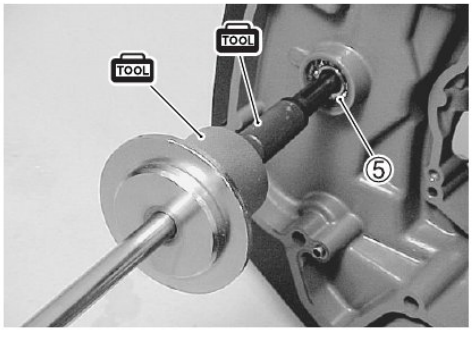


4. Remove bearing ⑤ with special tool and sliding hammer.

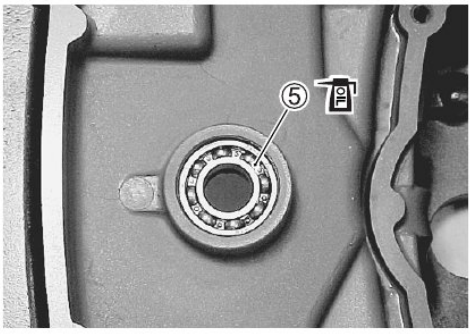
TOOL **09923-73210: Bearing remover**
09930-30104: Sliding hammer

CAUTION

Do not reuse the bearing once removed.
Always use a new bearing.



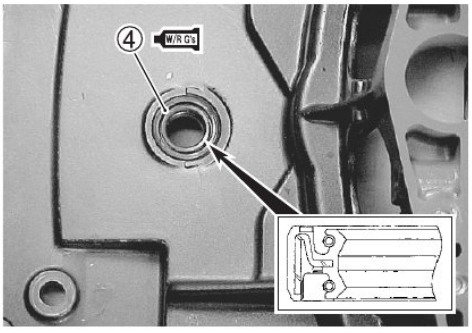
5. Apply engine oil to outer circumference of bearing ⑤.
   Install bearing into engine holder.



6. Apply Water Resistant Grease to outer circumference of oil seal ④.
   Drive oil seal into engine holder.
   Apply Water Resistant Grease to the seal lip.

W/R G's 99000-25160: SUZUKI WATER RESISTANT GREASE

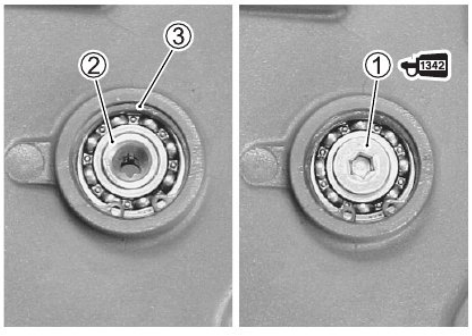
NOTE:
Install oil seal as shown in figure.



7. Install circlip ③.
8. Install clutch shaft ②.
   Tighten clutch shaft plug ①, pre-coated with thread lock, to specified torque.

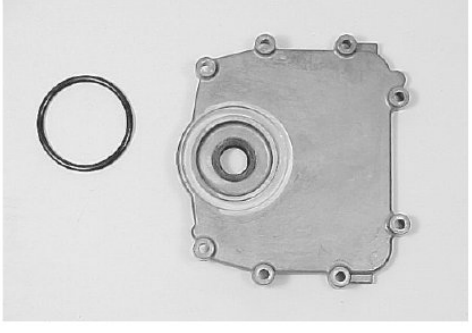
1342 99000-32050: THREAD LOCK "1342"

Clutch shaft plug: 85 N·m (8.5 kg-m, 61.5 lb-ft)



MOUNT·OIL SEAL COVER

- Inspect mount·oil seal cover. Replace if cracked, damaged or other abnormal conditions are noted.
- Check condition of O-ring. Replace O-ring if nicked, cut, worn or other abnormal conditions are noted.
- Check condition of oil seal. Replace oil seal if nicked, cut, worn or other abnormal conditions are noted.



NOTE:
Install oil seal with lip (spring side) facing downward (oil pan side).

