

Pioneer

1200



 **Club Car**TM
Performance Utility Vehicles

2002 ILLUSTRATED PARTS LIST

Manual No. 102252102 Edition Code 0702B0503A

USING THE ILLUSTRATED PARTS LIST

WARNING

- **This manual is to be used only for identification and ordering of service parts. Be sure to read and use the maintenance and service manual before attempting any vehicle repairs.**

This manual covers all 2002 Pioneer 1200 vehicles.

The manual is divided into 13 sections. Sections 1 through 12 pertain to the Pioneer 1200 vehicle, and Section 13 pertains to tools that are used on all Club Car products. Note that there are two flags on the outside edge of each page. The first flag contains the section number of which that page is a part. The other flag contains the letter G, signifying that the page pertains to the gasoline vehicle only.

Use the Table of Contents to find the sections and pages that contain the parts and assemblies you seek. The Table of Contents lists section numbers, and under them, the individual page titles and numbers to be found in that section. The index can be used to find specific parts and assemblies. The index is divided into numerical and alphabetical listings with the page numbers in italic text.

There is a two-page spread for each individual page title in the Table of Contents. On the left-hand page is an illustration showing the parts in their relative positions; the parts are each tagged with an item number in a balloon. The right-hand page is the parts list page, and gives the page title at the top, then the item numbers (corresponding to the numbers on the illustration), part descriptions, and quantity of parts used. Some item numbers have more than one part number because several configurations of a component are represented together on one spread.

Note that a part description may be indented. This indentation corresponds to a parts assembly level indicated by the numbers 1, 2, 3, and 4 at the top left corner of the parts description area of the parts list page. A part that is indented to *level 2* is a component of the *level 1* part (assembly) that it is listed under. A *level 3* part is a component of the *level 2* part that it is listed under, and a *level 4* part is a component of the *level 3* part preceding it. In each case, the part quantity given for a level 2, 3, or 4 part *is the quantity used per next higher level assembly of which it is a component*. A part that is not indented is a *level 1* part. This means that the quantity given is the quantity used per the portion of the vehicle illustrated on that particular spread.

HOW TO ORDER PARTS

Replacement parts and accessories can be obtained from our network of authorized dealers and distributors. You can obtain the name and phone number of your closest Club Car contact by visiting our web site at www.clubcar.com and clicking on the "*Distributor Search*" link or by calling our toll-free Service Parts and Technical Assistance hotline at (800) 872-2246 or (706) 863-3000, extension 3281 or 3854.



P. O. Box 204658
Augusta, Georgia 30917-4658 USA
Telephone 706-863-3000
Service Parts Fax 706-855-7413
www.clubcar.com

NOTE: *This illustrated parts list represents the most current information at the time of publication. Club Car, Inc. is continually working to further improve its vehicles and other products. These improvements may affect the parts used to service the vehicle. Any modification and/or significant change in specifications will be forwarded to all Club Car and Carryall distributors/dealers and will, when applicable, appear in future editions of this illustrated parts list.*

Club Car, Inc. reserves the right to change specifications and designs at any time without notice and without incurring the obligation of making changes to units previously sold.

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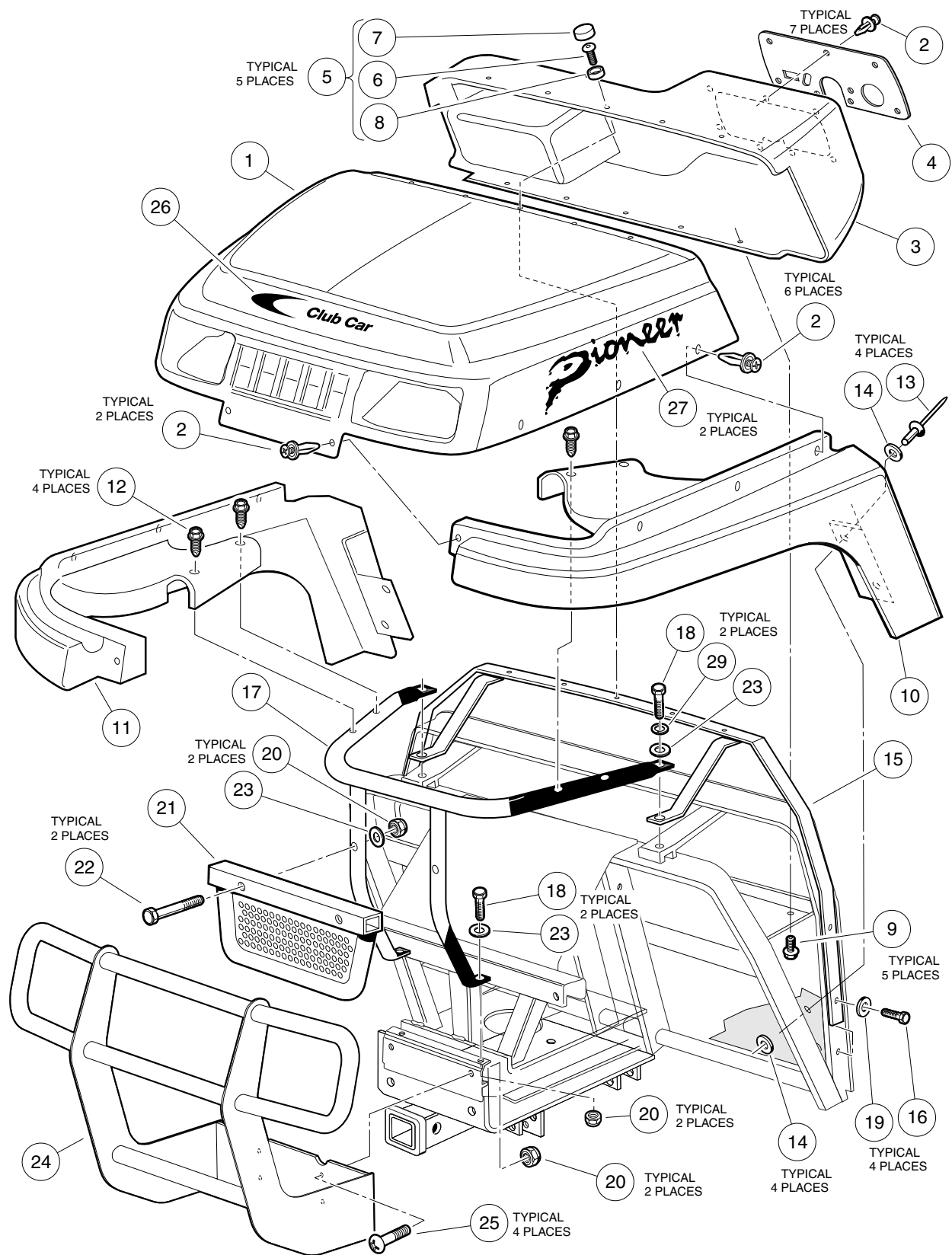
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BODY AND TRIM

1

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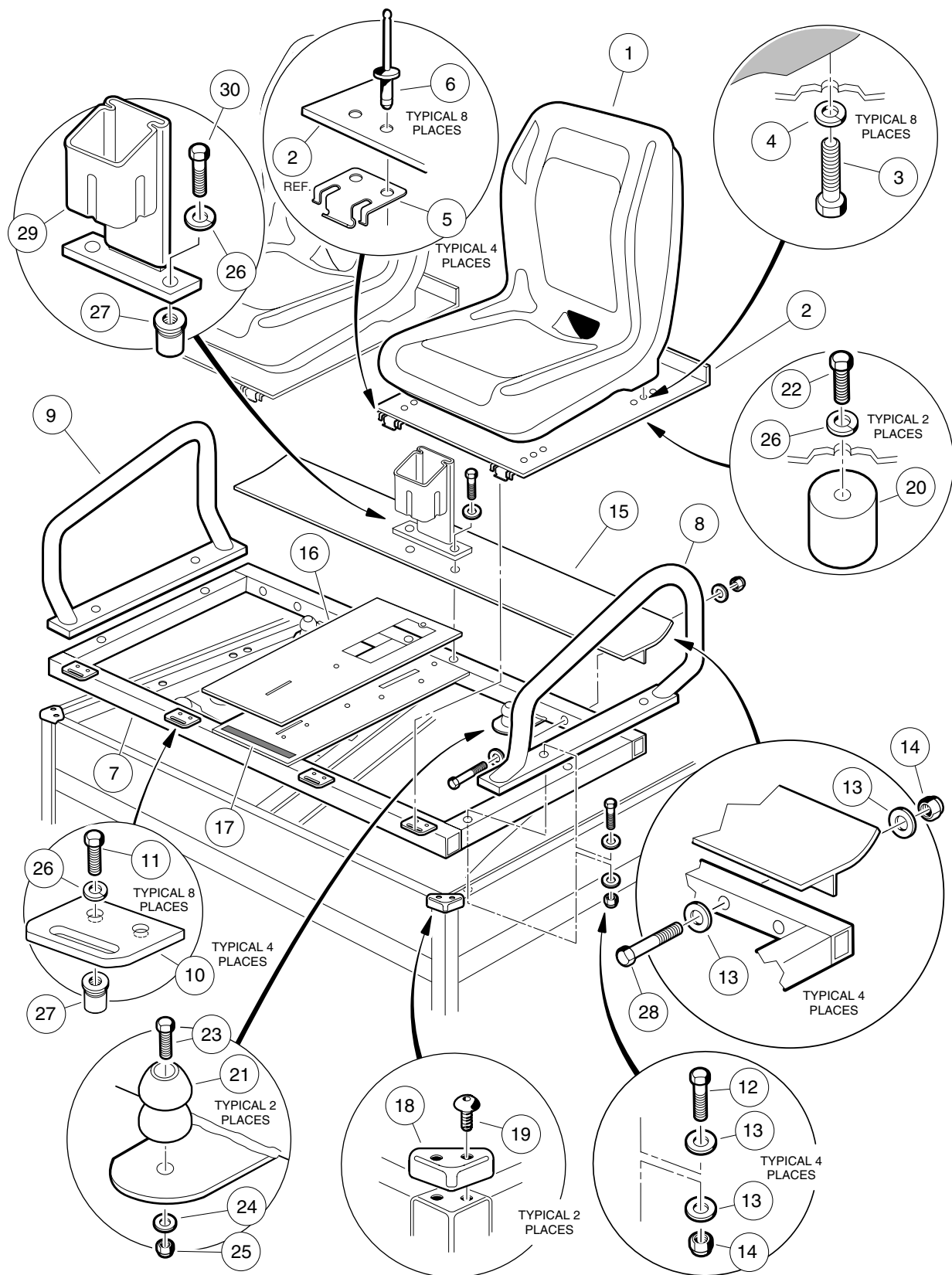


FRONT BODY TRIM

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	<u>102021715</u>	Body, Front with Headlight Opening (red)	1
1	<u>102021710</u>	Body, Front with Headlight Opening (dark green)	1
1	<u>102021714</u>	Body, Front with Headlight Opening (dark gray)	1
1	<u>102021716</u>	Body, Front with Headlight Opening (white)	1
2	<u>102025701</u>	Screw, Tuflok	15
3	<u>102021801</u>	Dashboard	1
4	<u>102030501</u>	Panel, Dash	1
5	<u>102056901</u>	Kit, Dash Hardware (includes items 6 - 8)	1
6	N/A	Screw, Truss-Head, Type C, 1/4-20 x 3/4	5
7	N/A	Cap	5
8	N/A	Washer	5
9	<u>1017384</u>	Screw, Hex Washer Head, Type AB, #12	5
10	<u>102021501</u>	Fender, Front, Driver-Side	1
11	<u>102021601</u>	Fender, Front, Passenger-Side	1
12	<u>1010545</u>	Screw, Hex Washer Head, Type AB, 1/4-14 x 3/4	4
13	<u>1606</u>	Rivet, Blind, 3/16 x 1/2	4
14	<u>183</u>	Washer, Flat, Type A, #10	8
15	<u>102015701</u>	Support, Upper Front Body	1
16	<u>1012285</u>	Screw, Hex-Head Thread-Rolling, 1/4-20 x 5/8	4
17	<u>102015801</u>	Support, Lower Fender	1
18	<u>102078101</u>	Screw, Hex-Head Cap, 5/16-18 x 2-1/2	4
19	<u>332</u>	Washer, Flat, Type A, 1/4	4
20	<u>7473</u>	Nut, Nylon Lock, 5/16-18	6
21	<u>102013901</u>	Grill	1
22	<u>1010921</u>	Screw, Hex-Head Cap, 5/16-18 x 2-1/2	2
23	<u>1241</u>	Washer, Flat, Type A, 5/16	6
24	<u>102013201</u>	Guard, Brush.....	1
25	<u>7410</u>	Screw, Phillips Truss-Head, 5/16-18 x 1-1/4	4
26	<u>102228001</u>	Decal, Club Car Nameplate	1
27	<u>102228201</u>	Decal, Pioneer (gray)	2
27	<u>102228202</u>	Decal, Pioneer (black)	2
28	<u>102160101</u>	Mat, Floor (not shown)	1
29	<u>7174</u>	Washer, Lock, 5/16	2

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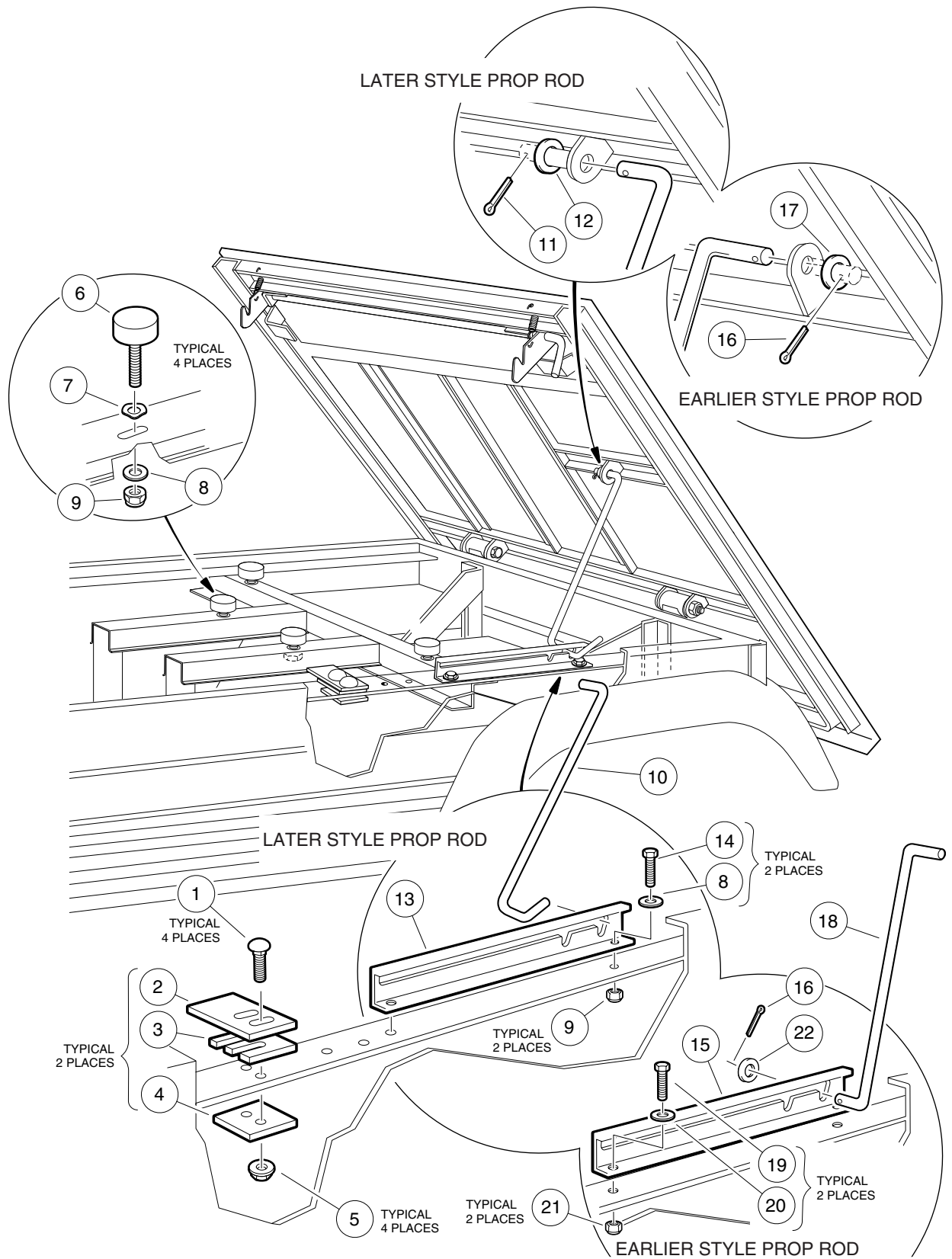


SEATS

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	<u>102026501</u>	Seat, Bucket – Gray	2
2	<u>102023701</u>	Panel, Seat	2
3	<u>1012830</u>	Screw, Hex-Head, M8 x 1.25 x 22 mm	8
4	<u>1013734</u>	Washer, Lock, 8 mm	8
5	<u>1011652</u>	Plate, Hinge	4
6	<u>102047001</u>	Rivet, Pop, Stainless Steel, 1/4 x 1/2	8
7	<u>102026901</u>	Weldment, Seat Support	1
8	<u>102024901</u>	Armrest, Driver-Side	1
9	<u>102025001</u>	Armrest, Passenger-Side	1
10	<u>1012412</u>	Plate, Hinge, Body	4
11	<u>7847</u>	Screw, Hex-Head Cap, 1/4-20 x 3/4	8
12	<u>8935</u>	Screw, Hex-Head Cap, 5/16-18 x 2-1/4	4
13	<u>1011697</u>	Washer, Flat, 5/16	16
14	<u>7473</u>	Nut, Nylon Lock, 5/16-18	8
15	<u>102029501</u>	Seal, Bed	1
16	<u>102026401</u>	Cover, Console	1
17	N/A	Tape, VHB	A/R
18	<u>1014387</u>	Cap, Corner	2
19	<u>1014321</u>	Screw, Torx Truss-Head, 1/4-14 x 3/4	4
20	<u>102061101</u>	Cup, Seat Holder	2
21	<u>102059001</u>	Base, Seat Holder	2
22	<u>102059401</u>	Screw, Hex-Head Cap, M6 x 1 x 10 mm	2
23	<u>102059501</u>	Screw, Hex-Head Cap, M6 x 1 x 35 mm	2
24	<u>332</u>	Washer, Flat, Type A, 1/4	2
25	<u>101887601</u>	Nut, Nylon Lock, M6.....	2
26	<u>451</u>	Washer, Lock, 1/4	12
27	<u>102060201</u>	Insert, Threaded, 1/4-20	10
28	<u>7311</u>	Screw, Hex-Head Cap, 5/16-18 x 2	4
29	<u>102068501</u>	Holder, Radio/Beverage	1
30	<u>7847</u>	Screw, Hex-Head Cap, 1/4-20 x 3/4	2

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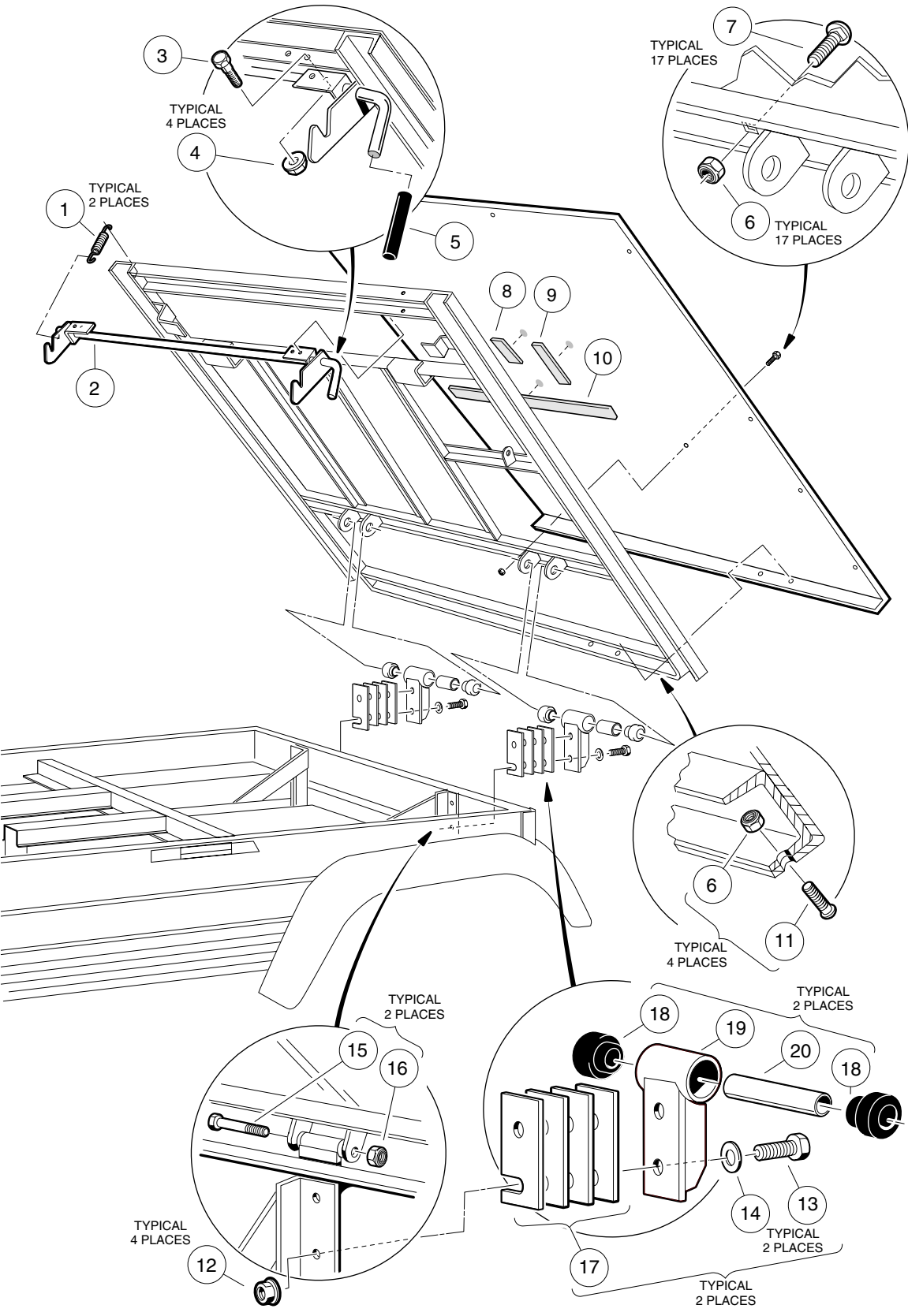


LATCH PLATE AND PROP ROD

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	<u>101958602</u>	Bolt, Carriage, 1/4-20 x 1	4
2	<u>1015277</u>	Plate, Tilt Bed Latch	2
3	<u>1016078</u>	Shim, Latch Plate	A/R
4	<u>1016060</u>	Support, Latch Plate	2
5	<u>101835601</u>	Nut, Flanged, 1/4-20	4
6	<u>1010878</u>	Bumper, Rubber	4
7	<u>1016201</u>	Washer, Wave	4
8	<u>332</u>	Washer, Flat, Type A, 1/4	4
9	<u>8233</u>	Nut, Nylon Lock, 1/4-20	4
10	<u>102301401</u>	Rod, Prop	1
11	<u>1035</u>	Pin, Cotter, 3/32 x 1	2
12	<u>334</u>	Washer, Flat, 3/8	1
13	<u>101921601</u>	Track, Prop Rod	1
14	<u>7847</u>	Screw, Hex-Head Cap, 1/4-20 x 3/4	2
		Earlier style prop rod:	
	<u>101922801</u>	Kit, Prop Rod (includes items 15 - 22)	1
15	N/A	Track, Prop Rod	1
16	<u>1035</u>	Pin, Cotter, 3/32 x 1	2
17	<u>334</u>	Washer, Flat, 3/8	1
18	N/A	Rod, Prop	1
19	<u>7847</u>	Screw, Hex-Head Cap, 1/4-20 x 3/4	2
20	<u>332</u>	Washer, Flat, 1/4	2
21	<u>8233</u>	Nut, Nylon Lock, 1/4-20	2
22	<u>1017328</u>	Washer, Convex, 3/8	1

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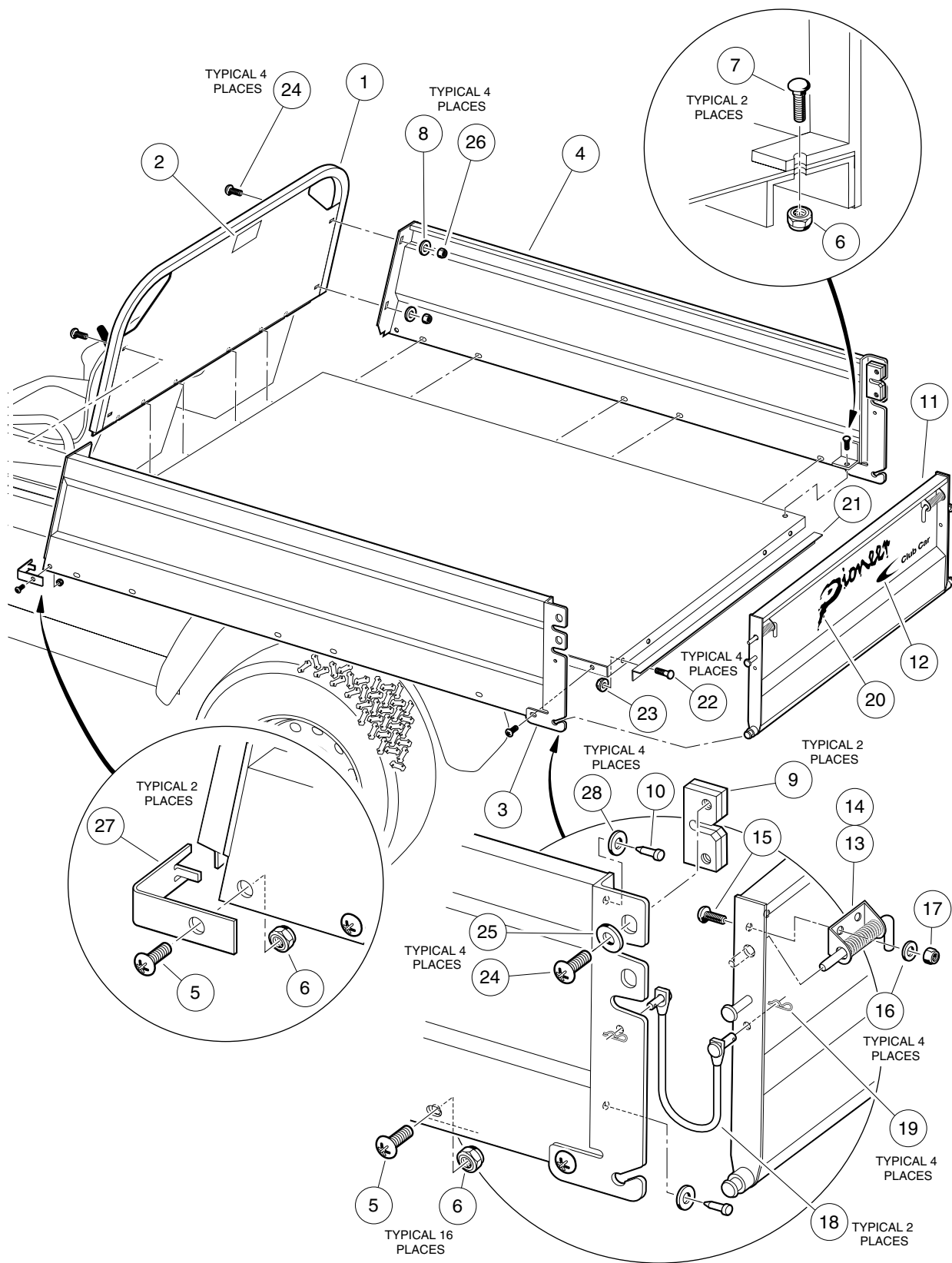
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TILT BED, HINGE AND LATCH

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
	<u>101542901</u>	Assembly, Tilt Bed, Manual Lift (includes items 1 - 11)	1
1	<u>1015391</u>	Spring, Latch Extension	2
2	<u>1015252</u>	Assembly, Latch Weld	1
3	<u>403</u>	Screw, Hex-Head Cap, 1/4-20 x 5/8	4
4	<u>101835601</u>	Nut, Flanged Lock, 1/4-20	4
5	<u>1015400</u>	Hand Grip, Tilt Latch	1
6	<u>7473</u>	Nut, Nylon Lock, 5/16-18	21
7	<u>1010435</u>	Bolt, Carriage, 5/16-18 x 1	17
8	<u>1014471</u>	Insulation, Bulk (4 inches long)	A/R
9	<u>1014471</u>	Insulation, Bulk (8 inches long)	A/R
10	<u>1014471</u>	Insulation, Bulk (46 inches long)	A/R
11	<u>1015399</u>	Screw, Torx Truss-Head, 5/16-18 x 5/8	4
12	<u>102065901</u>	Nut, Dimpled Flanged Lock, 3/8-16	4
13	<u>705</u>	Screw, Hex-Head Cap, 3/8-16 x 1-1/4	4
14	<u>102066001</u>	Washer, Flat, Type B, 3/8	4
15	<u>8755</u>	Screw, Hex-Head Cap, 3/8-16 x 3-3/8	2
16	<u>8754</u>	Nut, Nylon Lock, 3/8-16	2
17	<u>1015507</u>	Shim, Tilt Bed Pivot.....	A/R
18	<u>1015583</u>	Bushing, Urethane	4
19	<u>1015356</u>	Hinge, Tilt Bed	2
20	<u>1012303</u>	Bushing, Steel	2
		For latch plate and prop rod components, see page 1-7.	

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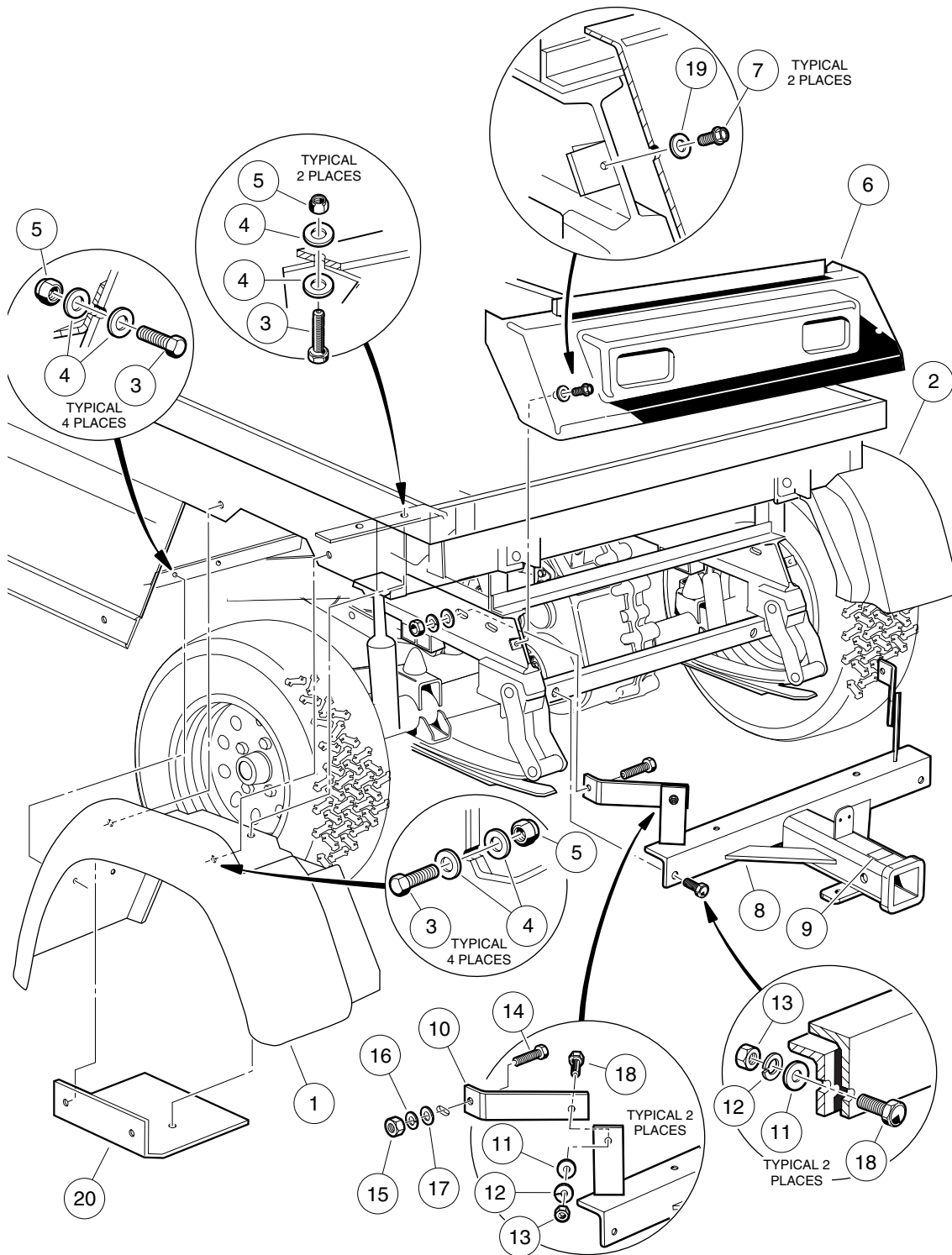


CARGO BOX

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
	<u>102230601</u>	Kit, Steel Box (includes items 1 - 28)	1
1	<u>102221301</u>	Front Panel Assembly (includes item 2)	1
2	<u>101553901</u>	Decal, Bed Load	1
3	<u>102221401</u>	Side Panel Assembly, Driver-Side	1
4	<u>102221501</u>	Side Panel Assembly, Passenger-Side	1
5	1015399	Screw, Torx Truss-Head, 5/16-18 x 7/8	18
6	<u>7473</u>	Nut, Nylon Lock, 5/16 - 18	20
7	<u>1010435</u>	Bolt, Carriage, 5/16-18 x 1	2
8	<u>332</u>	Washer, Flat, Type A, 1/4	4
9	<u>102222001</u>	Latch, Slam	2
10	<u>1010436</u>	Bumper	4
11	102229901	Tailgate Assembly (includes items 12 - 20)	1
12	102234901	Decal, Club Car Tailgate	1
13	<u>102222101</u>	Spring Latch, Driver-Side	1
14	<u>102222201</u>	Spring Latch, Passenger-Side	1
15	8419	Screw, Torx Truss-Head, 1/4-20 x 5/8	4
16	<u>332</u>	Washer, Flat, Type A, 1/4	4
17	<u>8233</u>	Nut, Nylon Lock, 1/4-20	4
18	<u>102221801</u>	Tether	2
19	<u>1013366</u>	Pin, Hair Spring Cotter	4
20	<u>102234801</u>	Decal, Pioneer Tailgate	1
21	<u>101894304</u>	Kit, Tailgate Angle	1
22	<u>1014537</u>	Stud, Flush Head	4
23	<u>101963401</u>	Nut, Flanged Lock, 5/16-18	4
24	<u>1014415</u>	Screw, Torx Truss-Head, 1/4-20 x 3/4	8
25	<u>1014306</u>	Washer, Flat, Type B, 1/4	4
26	<u>8233</u>	Nut, Nylon Lock, 1/4-20	4
27	<u>102221701</u>	Cap, Front Corner	2
28	<u>102239901</u>	Washer, Rubber, 3/8	4

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REAR BODY TRIM

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	<u>102021901</u>	Fender, Rear, Driver-Side (MC010C transaxle vehicle only)	1
1	<u>102251701</u>	Fender, Rear, Driver-Side (MC012C transaxle vehicle only)	1
2	<u>102022001</u>	Fender, Rear, Passenger-Side (MC010C transaxle vehicle only)	1
2	<u>102251601</u>	Fender, Rear, Passenger-Side (MC012C transaxle vehicle only)	1
3	304	Screw, Hex-Head Cap, 1/4-20 x 1	10
4	<u>1014306</u>	Washer, Flat, 1/4	20
5	<u>8233</u>	Nut, Nylon Lock, 1/4-20	10
6	<u>1015530</u>	Tailskirt	1
7	<u>1012285</u>	Screw, Thread-Rolling, 1/4-20 x 5/8	2
8	<u>102056001</u>	Hitch, Receiver, 2 inch	1
9	<u>1011553</u>	Decal, Trailer Hitch	1
10	<u>1013483</u>	Brace, Trailer Hitch	2
11	<u>1241</u>	Washer, Flat, 5/16	4
12	<u>7174</u>	Washer, Lock, 5/16	4
13	<u>1242</u>	Nut, Hex, 5/16-18	4
14	705	Screw, Hex-Head Cap, 3/8-16 x 1-1/4	2
15	<u>706</u>	Nut, Hex, 3/8-16	2
16	<u>357</u>	Washer, Lock, 3/8	2
17	<u>1011990</u>	Washer, Flat, 3/8	2
18	<u>1010934</u>	Screw, Hex-Head Cap, 5/16-18 x 1	4
19	<u>332</u>	Washer, Flat, Type A, 1/4	2
20	54645318	Guard, Fender (MC010C transaxle vehicle only)	2

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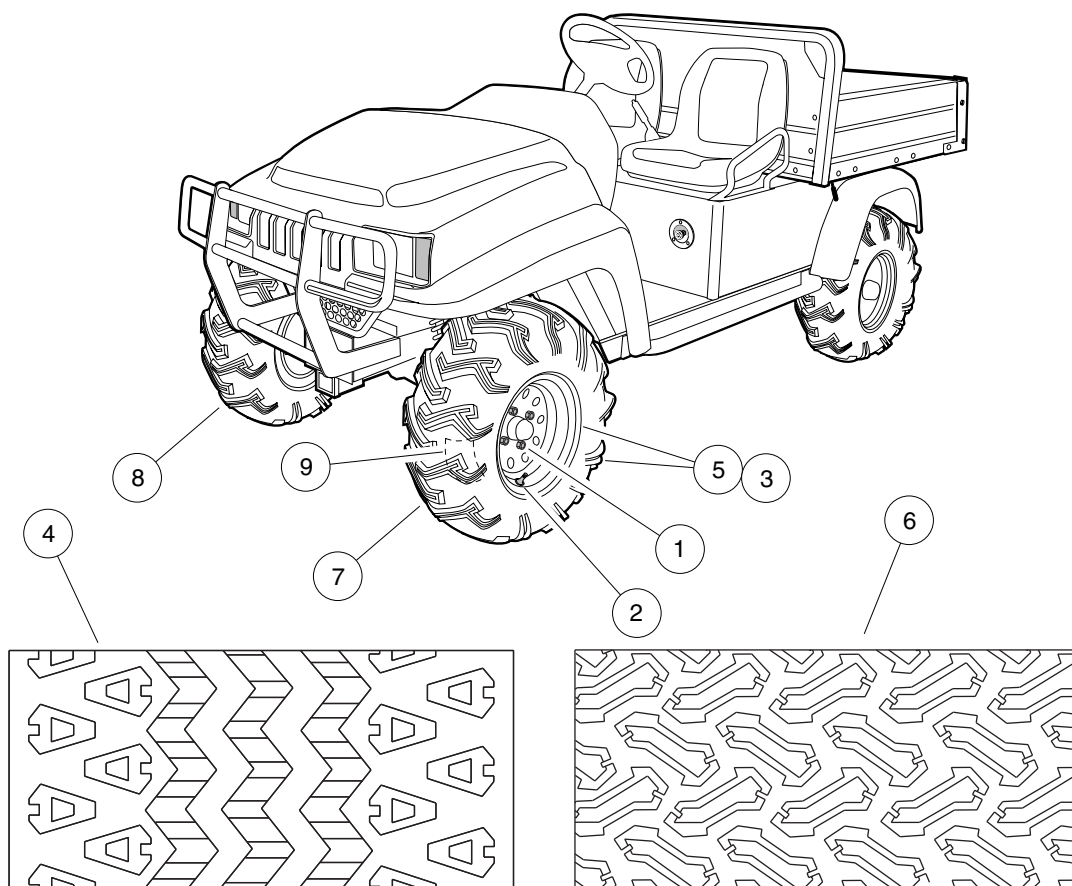
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WHEELS AND TIRES

2

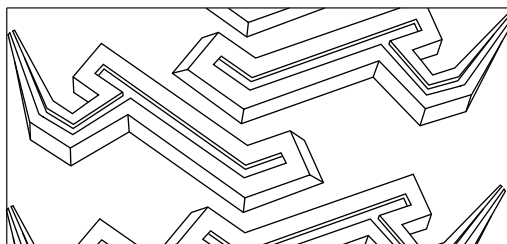
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ALL TERRAIN
TREAD

TURF
TREAD

DIRECTION
OF FORWARD
ROTATION



TRAKS MAX
TREAD

WHEELS AND TIRES

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	<u>1010984</u>	Nut, Lug	16
2	<u>7310</u>	Stem, Valve*	4
3	<u>102021402</u>	Assembly, Wheel (gray) and Tire, All Terrain Tread, 4-Ply Rated (23 x 10.50 - 12) (All Trail) (includes item 4)	4
4	****	Tire, Unmounted, All Terrain Tread (23 x 10.50 - 12) (All Trail)	1
5	<u>102021401</u>	Assembly, Wheel (gray) and Tire, Turf Tread, 4-Ply Rated (23 x 10.50 - 12) (Turf Mate) (includes item 6)	4
6	****	Tire, Unmounted, Turf Tread (23 x 10.50 - 12) (Turf Mate)	1
7	<u>102021403</u>	Assembly, Wheel (gray) and Tire (driver side) Traks Max II Tread, 4-Ply Rated (23 x 12.50 - 10) (includes item 7)	2
8	<u>102021404</u>	Assembly, Wheel (gray) and Tire (passenger side) Traks Max II Tread, 4-Ply Rated (23 x 12.50 - 10) (includes item 7)	2
9	102234001	Decal, Brake Warning	1
		 *Note: Item 2 is part of all wheel assemblies.	
	****	Special order item available upon request.	

2

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2

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DECALS

3

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⚠ WARNING**ROLLOVER OR FALLING OFF MAY CAUSE DEATH**

- Read operators manual and operating instructions.
- Remain seated and hold on to seat handle while moving.
- Drive slowly in turns and straight up and down slopes.
- Do not start vehicle until all occupants are seated.
- One (1) person per seat maximum.
- Operate from driver side only and not on public roads.
- Keep entire body inside vehicle while moving.
- Do not operate while under the influence of alcohol or drugs.
- Never attempt jumps.

CCI 102029101

OPERATING INSTRUCTIONS

- Read owner's manual and safety warnings located on dash panel prior to driving.
- Study and understand controls.

TO START ENGINE

- Place shift lever in "N" - Neutral position.
- Depress brake pedal.
- Turn key switch to "START" position and hold, activating the choke as necessary, until engine starts.

TO OPERATE VEHICLE

- Make sure wheels are turned in desired direction.
- Be sure nothing is in your path.
- While vehicle is stopped, select vehicle direction by placing shift lever in desired position.
- F - Forward N - Neutral R - Reverse (Buzzer will sound)
- Release hand brake.

- Slowly push accelerator pedal to increase speed.
- Accelerator pedal must be released to move shift lever.

TO STOP VEHICLE

- Release accelerator pedal and push brake pedal.
- After stopping, firmly set hand brake.
- Turn key to "OFF" position, remove key and place shift lever in straight up neutral position when not in use.

CCI 102224301

**⚠ WARNING****YOUNG DRIVERS INCREASE CHANCE OF DEATH**

- Young drivers may not be able to control vehicle.
- No drivers younger than 16 years old.
- Do not leave children unattended on vehicle.

CCI 102044601

**⚠ WARNING**

Riding in cargo bed can cause severe injury or death.
Do not ride in cargo bed.

CCI 1015539-01

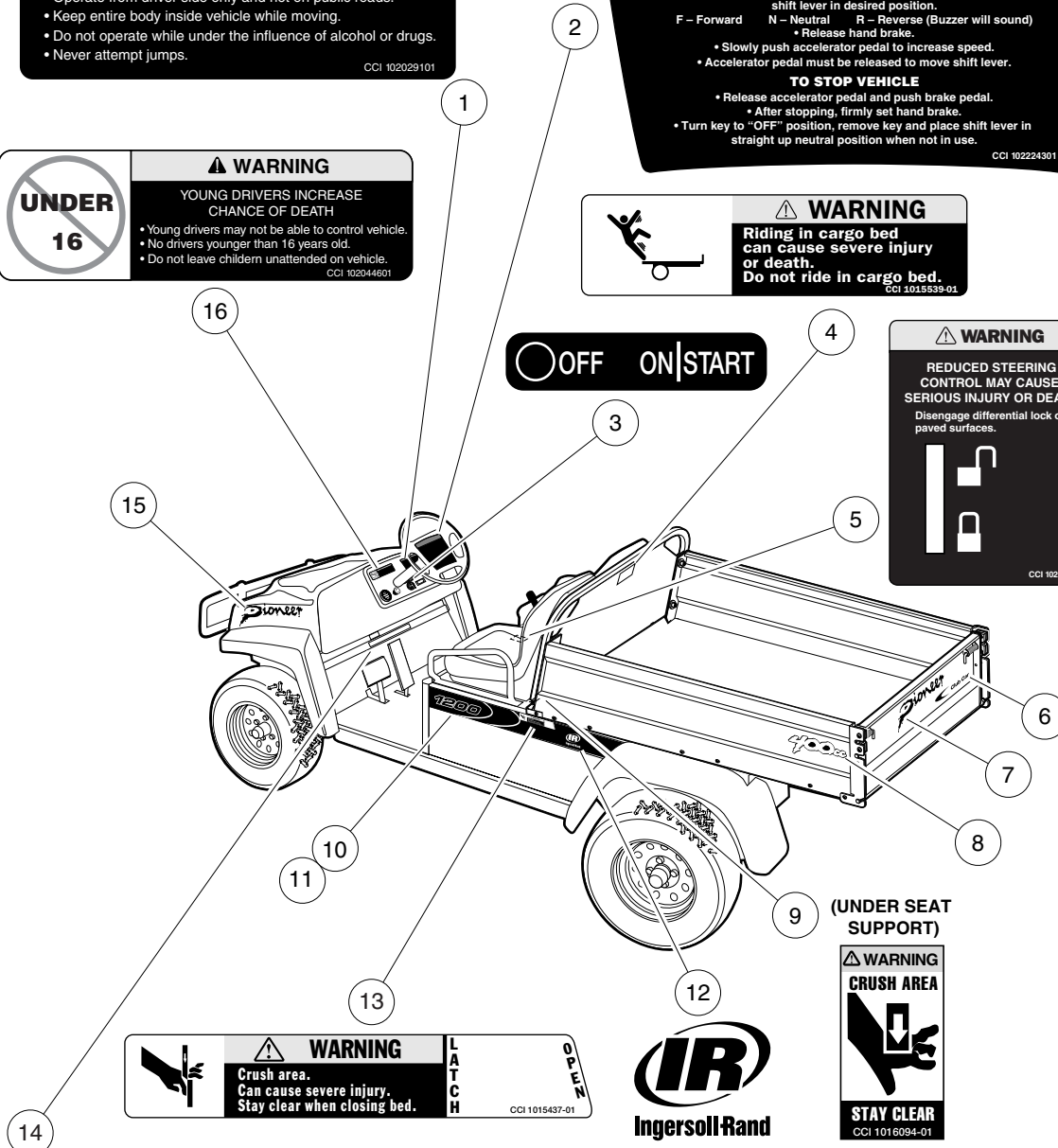
○ OFF ON/START

⚠ WARNING**REDUCED STEERING CONTROL MAY CAUSE SERIOUS INJURY OR DEATH**

Disengage differential lock on paved surfaces.



CCI 102046601



⚠ WARNING
Crush area.
Can cause severe injury.
Stay clear when closing bed.

LATCH

CCI 1015437-01

**⚠ WARNING**

STAY CLEAR
CCI 1016094-01

VEHICLE LOADING

Read Owner's Manual and warnings on dash.

- Vehicle rated capacity - 1200 lbs. on level surface only. Weight to include passengers, cargo bed load, and gross trailer weight. See Owner's Manual.
- Maximum cargo load - 800 lbs. Weight to include cargo bed load and gross trailer weight.
- Maximum trailer hitch tongue weight - 150 lbs.

- Cargo should be evenly spread over the floor of the cargo bed as far forward as possible and secured.
- For vehicle stability, when fully loaded, drive slowly and avoid stopping on or backing down steep hills.
- Avoid top heavy loads. See Owner's Manual.
- When driving on uneven terrain or down steep hills, reduce speed and load.

CCI 1019602-01

DECALS

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	<u>102029101</u>	Decal, Driver/Passenger Warning	1
2	<u>102224301</u>	Decal, Operating Instructions	1
3	<u>101825102</u>	Decal, Key Switch	1
4	<u>101553901</u>	Decal, Bed Load Warning	1
5	<u>102046601</u>	Decal, Differential Lock Control Warning	1
6	<u>102234901</u>	Decal, Club Car Tailgate	1
7	<u>102234801</u>	Decal, Pioneer Tailgate	1
8	<u>102274701</u>	Decal, 400 cc (FE400 engine vehicles only)	2
9	<u>101609401</u>	Decal, Crush Area Warning	2
10	<u>102228501</u>	Decal, Pioneer 1200 (driver side) (includes items 12 and 13)	1
11	<u>102227801</u>	Decal, Pioneer 1200 (passenger side) (includes item 12)	1
12	N/A	Decal, Ingersoll-Rand	1
13	N/A	Decal, Bed Latch Warning	1
14	<u>101960201</u>	Decal, Vehicle Loading	1
15	<u>102228201</u>	Decal, Pioneer	2
16	<u>102044601</u>	Decal, Under Age Warning	1

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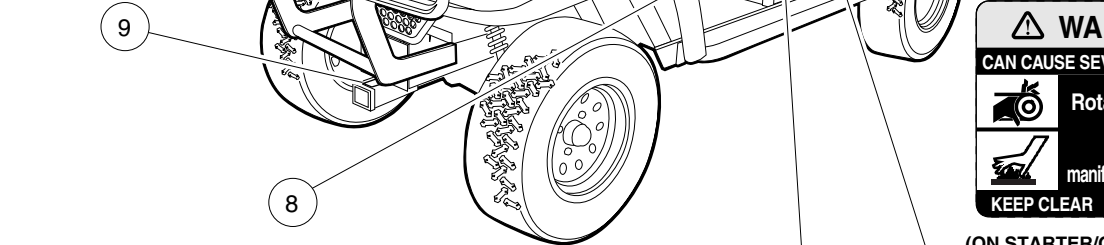
(ON PASSENGER-SIDE
SEAT SUPPORT)



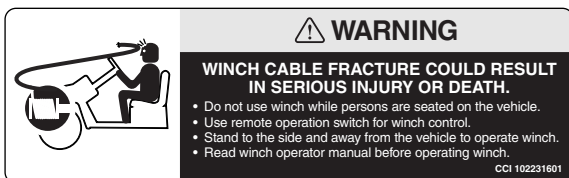
(ON PASSENGER-SIDE
REAR FENDER)



(ON FRONT RECEIVER
HITCH AND REAR
RECEIVER TRAILER HITCH)



(FOR VEHICLES WITH WINCH ACCESSORY)



(ON SEAT SUPPORT PANEL)

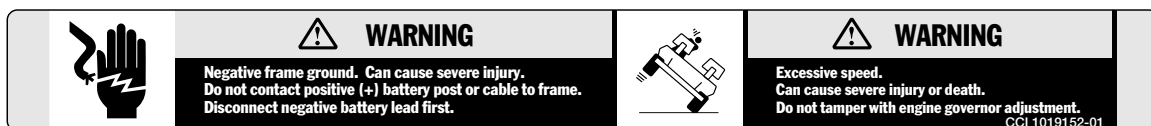


(ON FRAME ABOVE DIODE)



(ON STARTER/GENERATOR
AND ENGINE)

(ON FRAME NEXT TO BATTERY)



DECALS, CONTINUED

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	<u>102228001</u>	Decal, Club Car	1
2	<u>102228201</u>	Decal, Pioneer	2
3	<u>101547601</u>	Decal, Gasoline Warning	1
4	<u>102224001</u>	Decal, Rotating Parts	1
5	<u>101960501</u>	Decal, Rotating Parts and Hot Manifold	2
6	<u>101915201</u>	Decal, Frame Ground	1
7	<u>102345901</u>	Decal, Diode Wiring	1
8	<u>102231601</u>	Decal, Winch Cable Warning	1
9	<u>1011553</u>	Decal, Trailer Hitch	2

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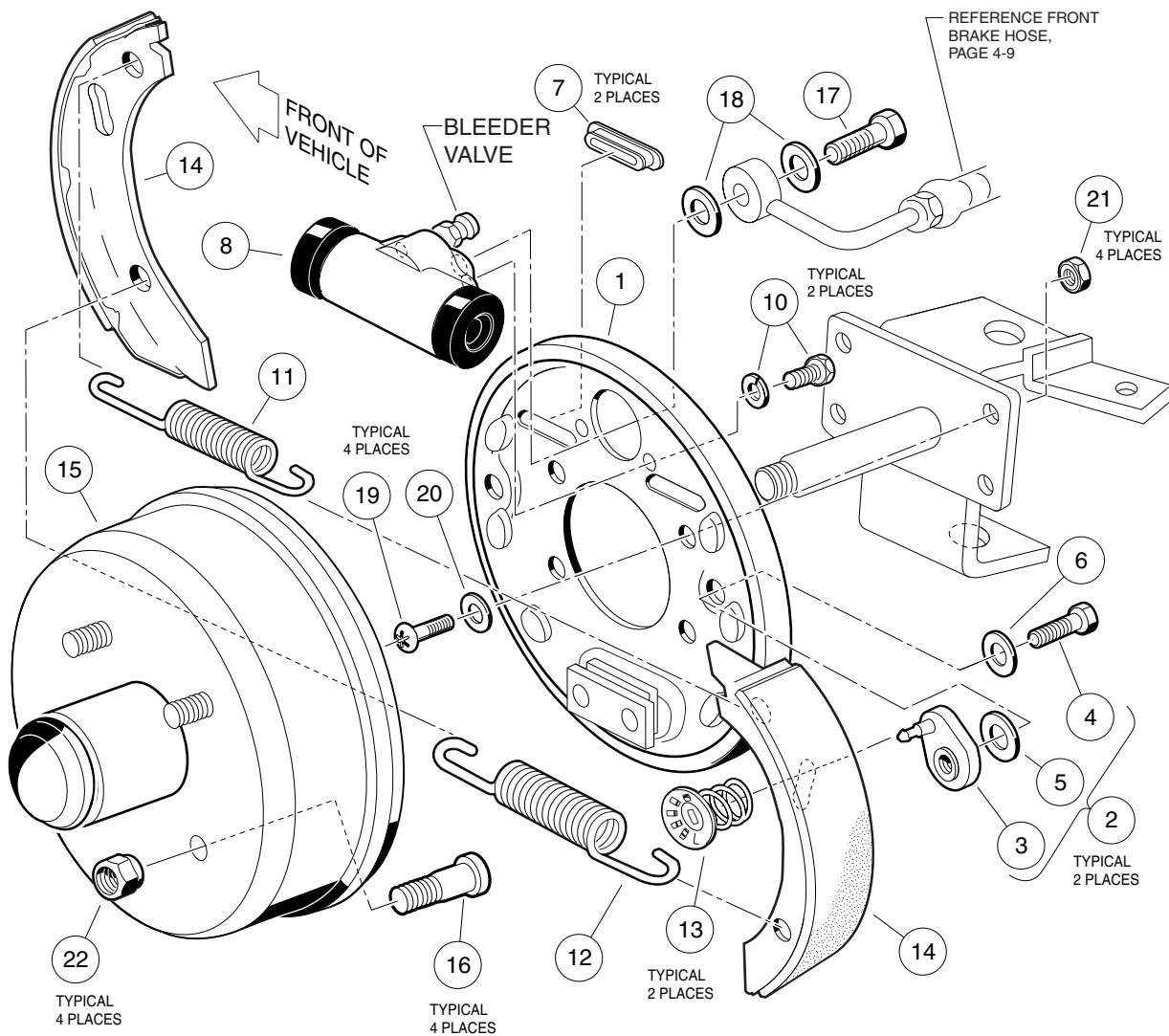
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BRAKE SYSTEMS

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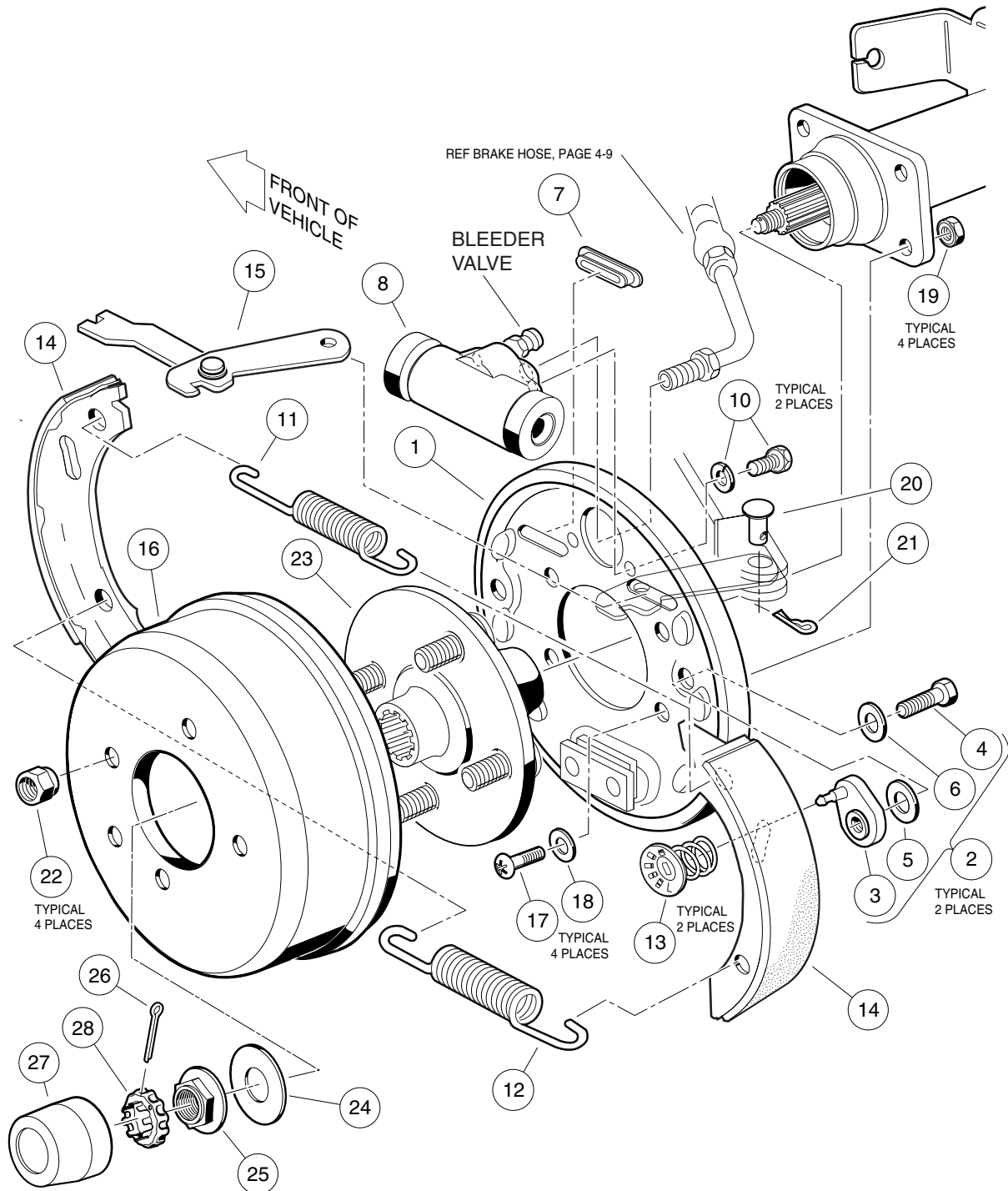


FRONT BRAKE ASSEMBLY

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
	<u>102033301</u>	Cluster, Brake (includes items 1 - 14)	2
1	<u>102049401</u>	Plate, Backing	1
2	<u>102049601</u>	Kit, Adjuster, Axle (one kit will service both front brakes) (includes items 3 - 7)	1
3	<u>102049501</u>	Assembly, Adjuster Lever	4
4	<u>102049901</u>	Bolt, 1/4-28 x .31	4
5	<u>102050001</u>	Washer, Bellville	4
6	N/A	Washer, Flat	4
7	<u>102050101</u>	Cover, Dust	4
8	<u>102050301</u>	Cylinder, Wheel, 5/8	1
9	<u>102049701</u>	Kit, Axle Hardware (not shown) (includes items 10 - 13)	1
10	<u>102050401</u>	Bolt, Wheel Cylinder, Self-Locking, M6 x 1	2
11	<u>102050601</u>	Spring, Shoe to Shoe (upper)	1
12	<u>102050501</u>	Spring, Shoe to Shoe (lower)	1
13	<u>102050701</u>	Hold-down, Shoe	2
14	<u>102050201</u>	Kit, Hydraulic Shoe (BPI 4070) (four shoes per kit)	1
15	<u>102044201</u>	Assembly, Brake Drum and Hub (includes item 16)	2
16	<u>1013787</u>	Stud, Lug, 1/2-20	4
17	<u>102044401</u>	Bolt, Banjo, 3/8-24	2
18	<u>102045501</u>	Washer, Copper	4
19	<u>102051001</u>	Screw, Pan-Head, Torx, 5/16-24 x 1	8
20	<u>1017233</u>	Washer, Flat, 5/16	8
21	<u>1013924</u>	Nut, Hex-Head Lock, Grade 8, 5/16-24	8
22	<u>1010984</u>	Nut, Lug	8

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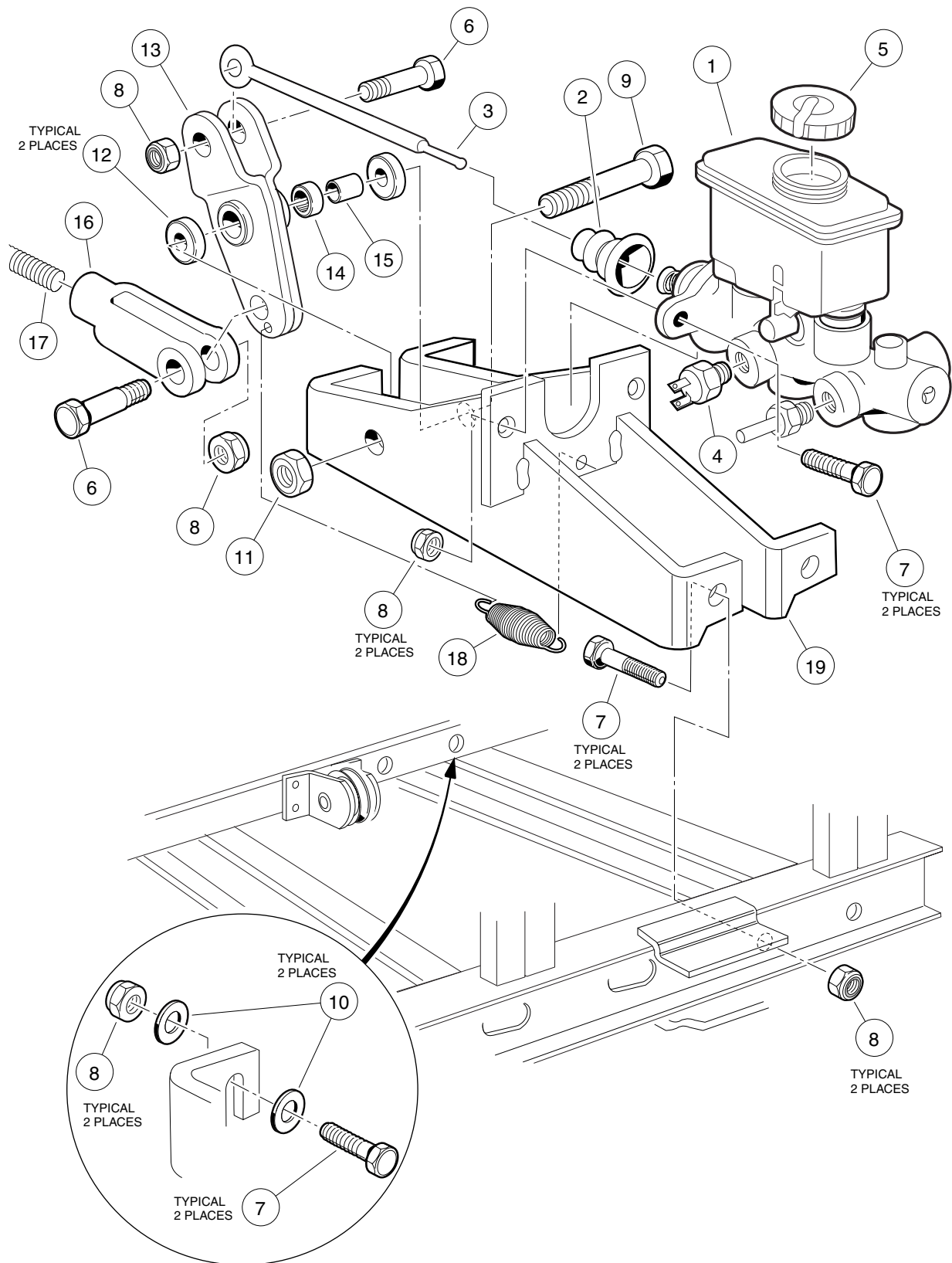


REAR BRAKE ASSEMBLY

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
	<u>102033401</u>	Assembly, Brake, Driver-Side (includes items 1 - 15)	1
	<u>102033501</u>	Assembly, Brake, Passenger-Side (includes items 1 - 15)	1
1	<u>102049401</u>	Plate, Backing	1
2	<u>102049601</u>	Kit, Adjuster, Axle (one kit will service both rear brakes) (includes items 3 - 7)	1
3	<u>102049501</u>	Lever, Adjuster	4
4	<u>102049901</u>	Bolt, 1/4-28 x .31	4
5	<u>102050001</u>	Washer, Bellville	4
6	N/A	Washer, Flat	4
7	<u>102050101</u>	Cover, Dust	4
8	<u>102050801</u>	Cylinder, Wheel, 7/8	1
9	<u>102049701</u>	Kit, Axle Hardware (not shown) (includes items 10 - 13)	1
10	<u>102050401</u>	Bolt, Wheel Cylinder, Self-Locking, M6 x 1	2
11	<u>102050601</u>	Spring, Shoe to Shoe (upper)	1
12	<u>102050501</u>	Spring, Shoe to Shoe (lower)	1
13	<u>102050701</u>	Hold-Down, Shoe	2
14	<u>102050201</u>	Kit, Hydraulic Shoe (BPI 4070) (four shoes per kit)	1
15	<u>102050901</u>	Lever, Park Brake, Passenger-Side	1
15	<u>102050902</u>	Lever, Park Brake, Driver-Side	1
16	<u>102044101</u>	Drum, Brake (MC010C transaxle vehicle only)	1
16	<u>102264701</u>	Drum, Brake (MC012C transaxle vehicle only)	1
17	<u>102051001</u>	Screw, Pan-Head, Torx, 5/16-24 x 1	8
18	<u>1017233</u>	Washer, Flat, 5/16	8
19	<u>1013924</u>	Nut, Hex-Head Lock, Grade 8, 5/16-24	8
20	<u>1010829</u>	Pin, Clevis, 5/16	2
21	<u>1013366</u>	Pin, Hair Spring Cotter	2
22	<u>1010984</u>	Nut, Lug	8
23	<u>102269101</u>	Hub (MC012C transaxle vehicle only)	2
24	<u>102269301</u>	Washer, Flat (MC012C transaxle vehicle only)	2
25	<u>102269201</u>	Nut, Washer (MC012C transaxle vehicle only)	2
26	<u>101838801</u>	Pin, Cotter (MC012C transaxle vehicle only)	2
27	<u>102274101</u>	Cap, Rubber Center (MC012C transaxle vehicle only)	2
28	<u>102276001</u>	Cap, Locking (MC012C transaxle vehicle only)	2

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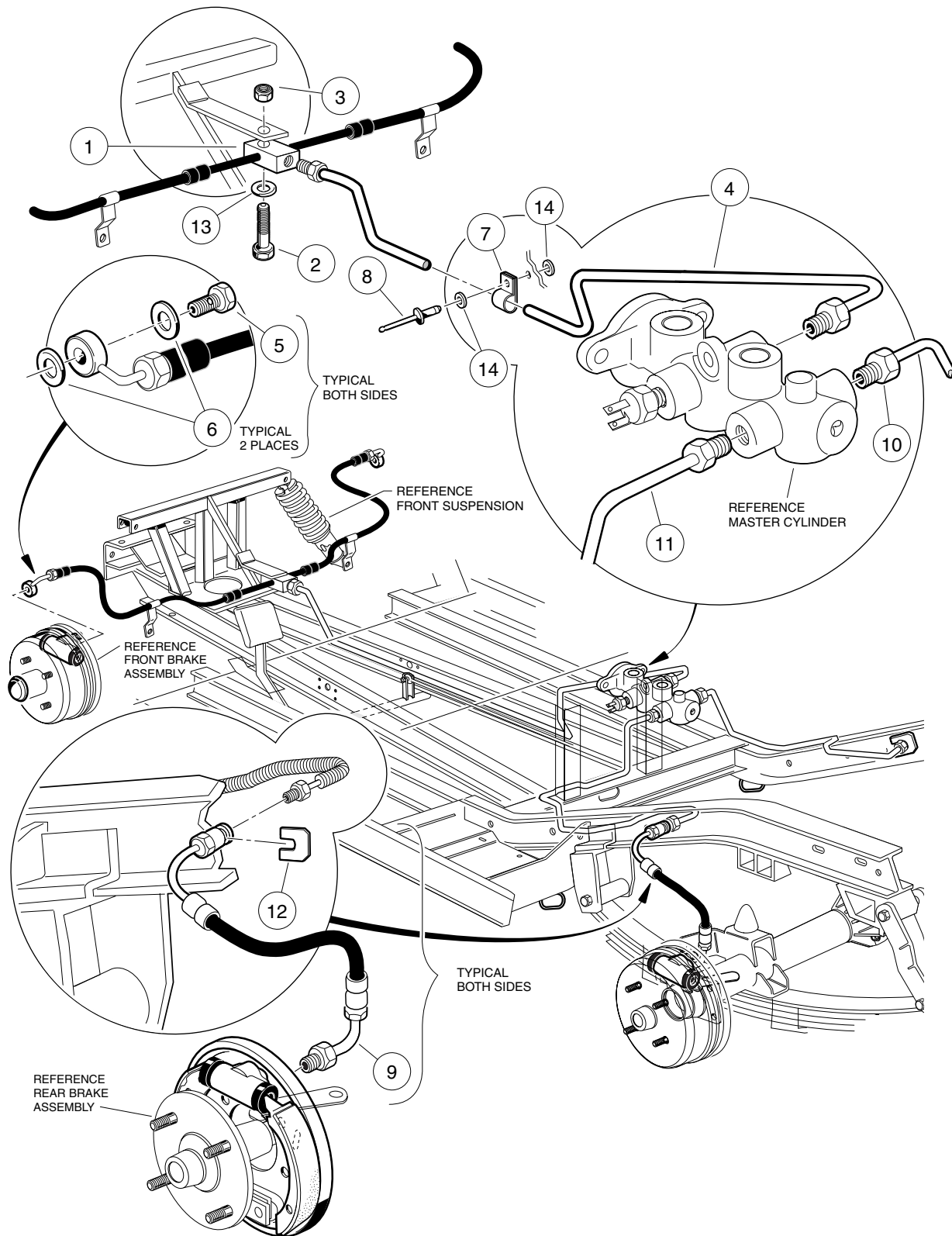


MASTER CYLINDER

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	102033201	Assembly, Master Cylinder (includes items 2 - 5)	1
2	102051101	Boot	1
3	102051201	Rod, Push	1
4	102051301	Switch, Pressure	1
5	102051401	Cap, Filler	1
6	101953001	Bolt, Hex-Head Shoulder, 3/8 x .98	2
7	1010934	Screw, Hex-Head Cap, 5/16-18 x 1	6
8	7473	Nut, Nylon Lock, 5/16	8
9	102057701	Screw, Hex-Head Cap, 1/2-13 x 3-1/2.....	1
10	1241	Washer, Flat, Type A, 5/16	4
11	101903101	Nut, Nylon Lock, 1/2-13	1
12	102057801	Spacer	2
13	102054201	Crank, Bell	1
14	102057501	Bearing, Roller	2
15	102057601	Race, Inner	1
16	101806102	Clevis, Rod	1
17	101953105	Rod, Equalizer	1
18	1013531	Spring, Brake Pedal Return	1
19	102054401	Bracket, Master Cylinder Mounting	1

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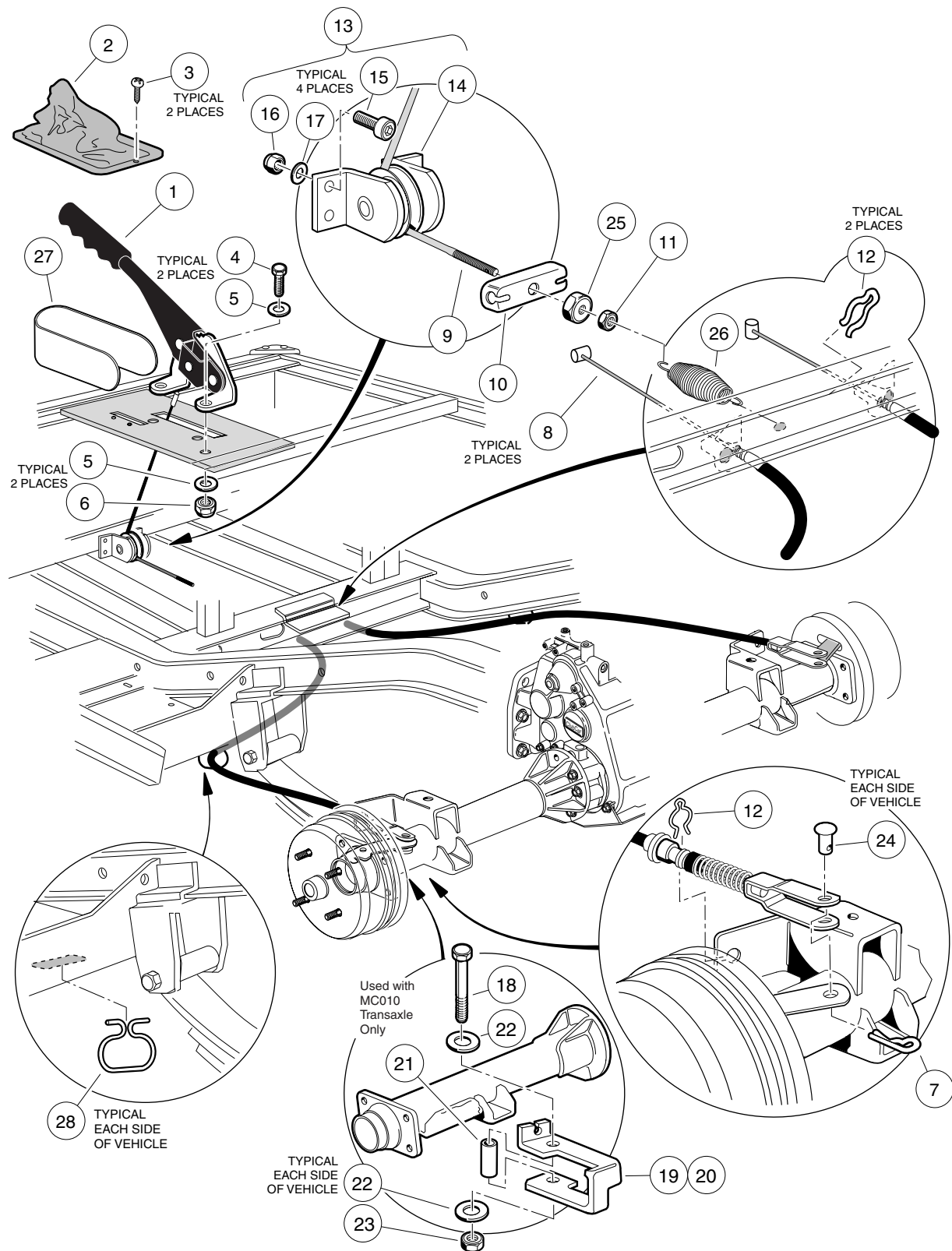


HYDRAULIC BRAKE SYSTEM

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	102032801	Hose, Brake, Front	1
2	<u>7479</u>	Screw, Hex-Head Cap, 1/4-20 x 1-1/4	1
3	<u>8233</u>	Nut, Nylon Lock, 1/4-20	1
4	<u>102032901</u>	Line, Brake, Front	1
5	<u>102044401</u>	Bolt, Banjo, 3/8-24	2
6	<u>102045501</u>	Washer, Copper	4
7	<u>102045801</u>	P-Clamp	1
8	1014136	Rivet, Pop, Stainless Steel, 3/16 x 1/2	1
9	<u>102033101</u>	Hose, Brake, Rear	2
10	<u>102033001</u>	Line, Brake, Rear (passenger side)	1
11	<u>102044001</u>	Line, Brake, Rear (driver side)	1
12	<u>102045701</u>	Clip, Horseshoe	2
13	<u>1014007</u>	Washer, Flat, 1/4	1
14	<u>183</u>	Washer, Flat, Type A, #10	2

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HAND PARK BRAKE ASSEMBLY

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	<u>102170901</u>	Lever, Park Brake	1
2	<u>102033701</u>	Boot, Park Brake Lever	1
3	<u>101832001</u>	Screw, Phillips Head, 5/16-18	2
4	705	Screw, Hex-Head Cap, 3/8-16 x 1-1/4	2
5	<u>1011990</u>	Washer, Flat, 3/8	4
6	<u>8754</u>	Nut, Nylon Lock, 3/8-16	2
7	<u>1013366</u>	Pin, Hair Spring Cotter	2
8	<u>102033901</u>	Cable, Park Brake, Long	2
9	<u>102247201</u>	Cable, Park Brake, Short	1
10	<u>102052701</u>	Equalizer	1
11	<u>102160501</u>	Nut, Hex, 5/16-24	1
12	<u>102028401</u>	Clip, Park Brake Cable	4
13	<u>102242701</u>	Kit, Pulley (includes items 14 - 17)	
14	<u>102028302</u>	Pulley, Flat Mount, 2-inch	1
15	<u>101260202</u>	Screw, Socket Head, #10-24 x .75	4
16	<u>1012438</u>	Nut, Nylon Lock, #10-24	4
17	<u>183</u>	Washer, Flat, Type A, #10	4
18	<u>7561</u>	Screw, Hex Head Cap, 3/8-16 x 3 (MC010C transaxle vehicle only)	2
19	<u>102055001</u>	Bracket, Brake Cable (driver side) (MC010C transaxle vehicle only)	1
20	<u>102055101</u>	Bracket, Brake Cable (passenger side) (MC010C transaxle vehicle only)	1
21	<u>1016350</u>	Spacer (MC010C transaxle vehicle only)	2
22	<u>334</u>	Washer, Flat, 7/16 (MC010C transaxle vehicle only)	4
23	<u>8754</u>	Nut, Nylon Lock, 3/8-16 (MC010C transaxle vehicle only)	2
24	<u>1010829</u>	Pin, Clevis, 5/16	2
25	<u>102052801</u>	Nut, Hex Cone, 5/16-24	1
26	<u>1013531</u>	Spring	1
27	<u>54562079</u>	Shield, Boot	1
28	<u>101900802</u>	Hanger, Brake Cable	2

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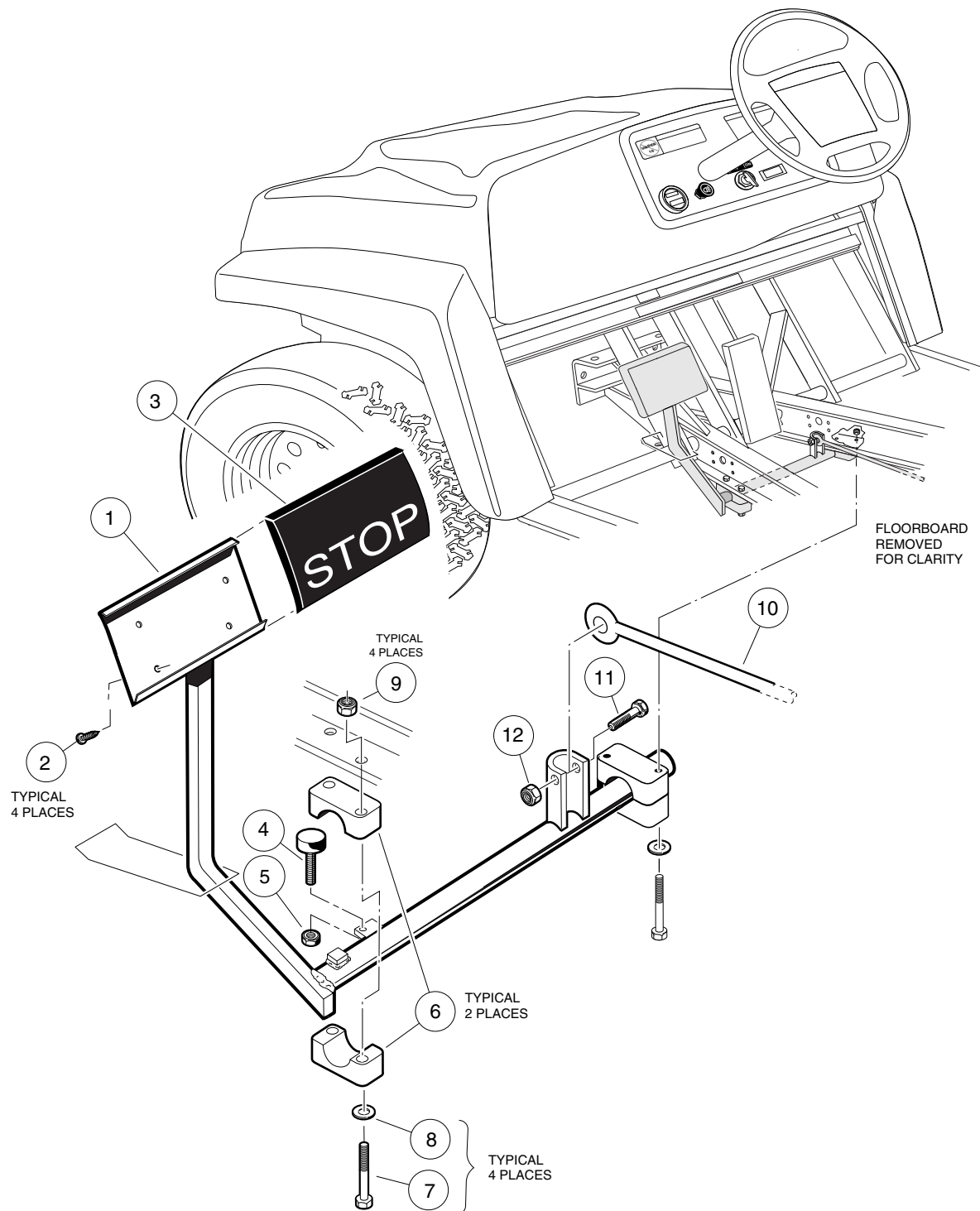
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PEDAL GROUP

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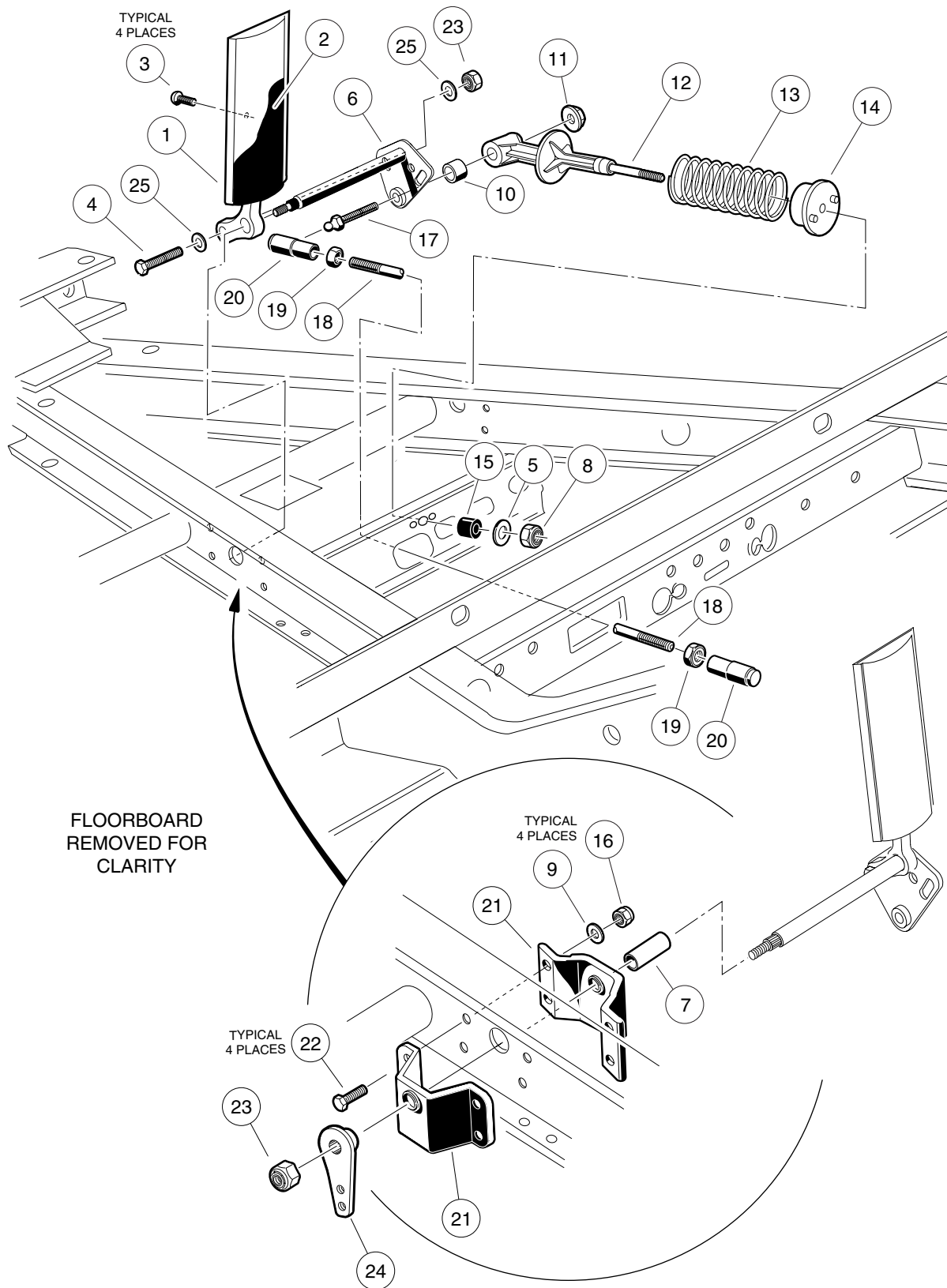


BRAKE PEDAL ASSEMBLY

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	<u>102028901</u>	Assembly, Brake Pedal (includes items 2 - 5)	1
2	<u>7716</u>	Screw, Slotted Hex Washer Head, #10-16 x 1/2	4
3	<u>102028601</u>	Pad, Brake Pedal	1
4	<u>1010878</u>	Bumper, Rubber	1
5	<u>1028</u>	Nut, Hex, 1/4-20	1
6	<u>1011402</u>	Package, Brake Mounting Block (contains upper and lower for driver and passenger sides).....	1
7	<u>1010921</u>	Screw, Hex-Head Cap, 5/16-18 x 2-1/2	4
8	<u>1241</u>	Washer, Flat, 5/16	4
9	<u>7473</u>	Nut, Nylon Lock, 5/16-18	4
10	<u>101953105</u>	Rod, Equalizer	1
11	<u>101953001</u>	Bolt, Hex-Head Shoulder, 3/8 x 1	1
12	<u>7473</u>	Nut, Nylon Lock, 5/16-18	1

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ACCELERATOR PEDAL ASSEMBLY

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	<u>1017696</u>	Assembly, Accelerator Pedal (includes item 2 and 3)	1
2	<u>1013871</u>	Pad, Pedal	1
3	<u>7716</u>	Screw, Slotted Hex Washer Head, #10-16 x 1/2	4
4	<u>1624</u>	Screw, Hex-Head Cap, 3/8-16 x 1-1/2	1
5	<u>1241</u>	Washer, Flat, 5/16	1
6	<u>102026001</u>	Kit, Accelerator Pivot Rod (includes item 7)	1
7	<u>1011700</u>	Spacer	1
8	<u>7473</u>	Nut, Nylon Lock, 5/16-18	1
9	<u>332</u>	Washer, Flat, Type A, 1/4	4
10	<u>1017424</u>	Bearing, Pivot Support	1
11	<u>101966901</u>	Nut, Flanged Lock, 1/4-28	1
12	<u>101817401</u>	Retainer, Spring	1
13	<u>101796201</u>	Spring, Return	1
14	<u>1017378</u>	Cup, Spring	1
15	<u>1017380</u>	Bumper, Return Spring	1
16	<u>8233</u>	Nut, Nylon Lock, 1/4-20	4
17	<u>101818801</u>	Stud, Ball	1
18	<u>101822001</u>	Assembly, Accelerator Rod (includes items 19 and 20)	1
19	<u>1011084</u>	Nut, UNF Hex Jam, 1/4-28	2
20	<u>1011734</u>	Joint, Spring-Loaded Ball	2
21	<u>1011694</u>	Support, Accelerator Pivot Rod	2
22	<u>101861901</u>	Screw, Hex-Head Cap, 1/4-20 x 1-1/8	4
23	<u>8754</u>	Nut, Nylon Lock, 3/8-16	2
24	<u>101916901</u>	Spacer, Ratchet Support	1
25	<u>334</u>	Washer, Flat, 3/8	2

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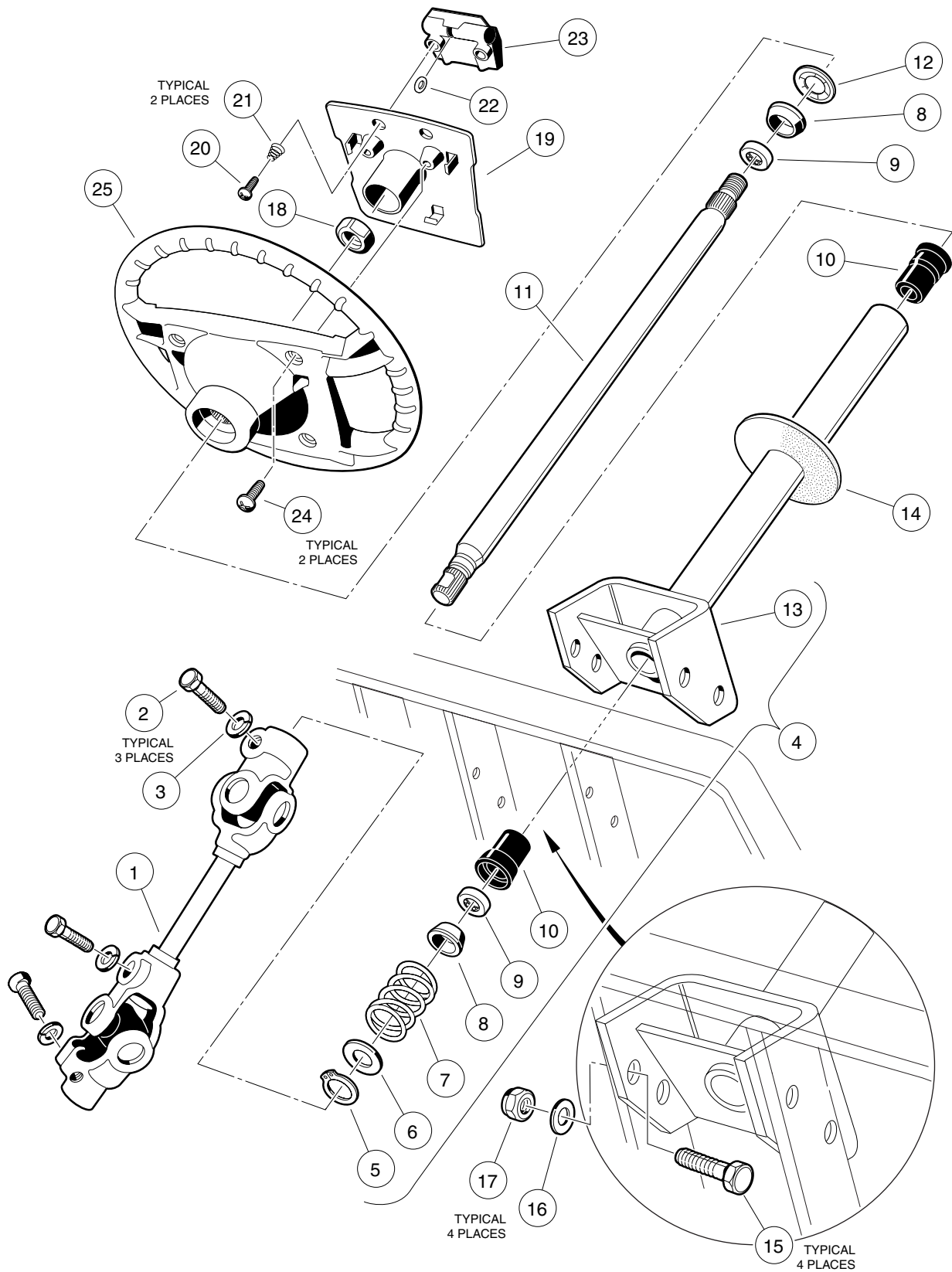
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STEERING, FRONT AND REAR SUSPENSION

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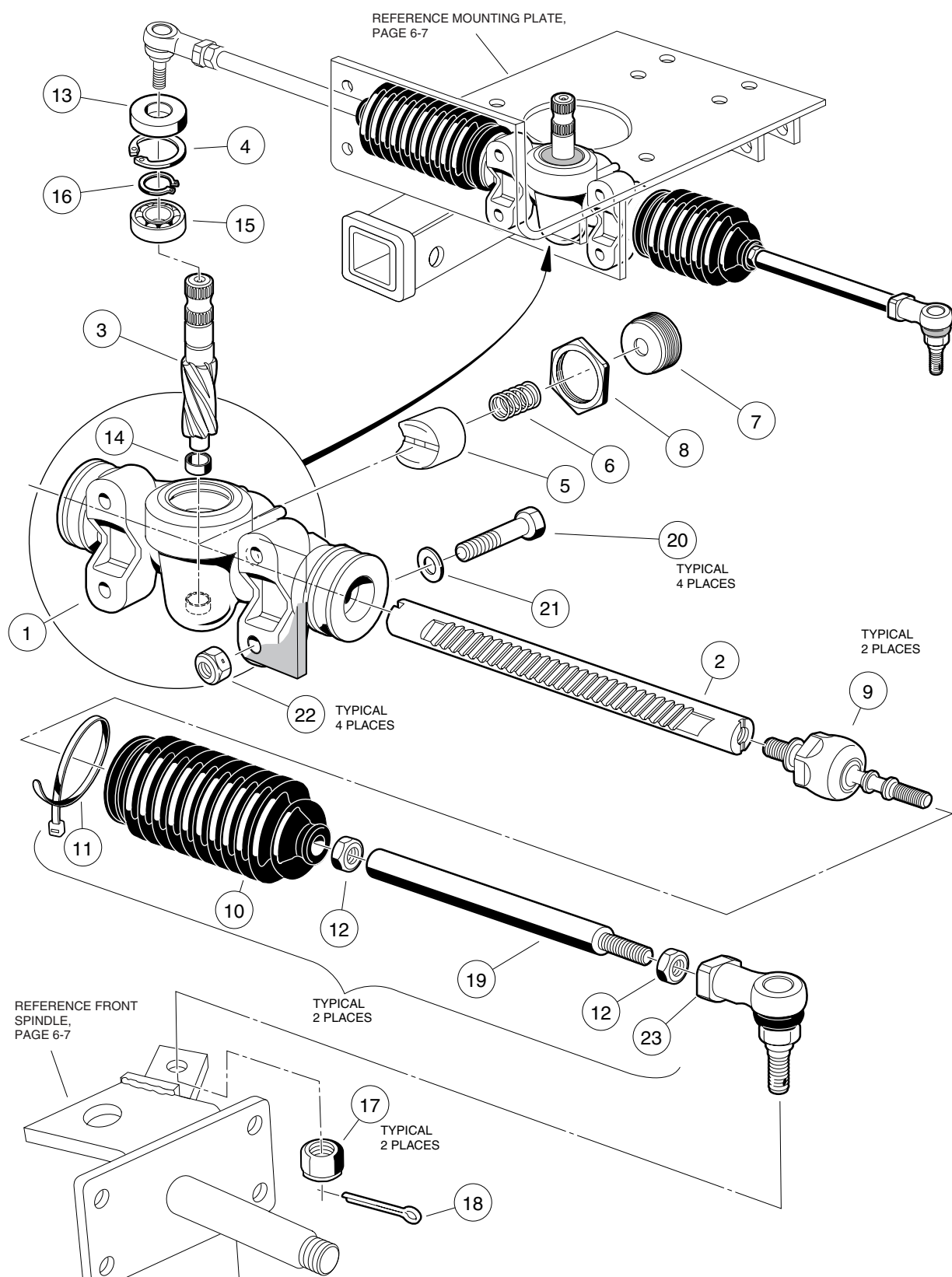


STEERING COLUMN

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	<u>102010201</u>	Joint, Steering (includes items 2 and 3)	1
2	<u>1017226</u>	Screw, Hex-Head Cap, M8 x 1.25 x 30 mm	3
3	<u>7174</u>	Washer, Lock, 5/16	3
4	<u>102013101</u>	Assembly, Steering Column (includes items 5 - 13)	1
5	<u>1012605</u>	Ring, Retaining	1
6	<u>1012604</u>	Washer, Steel, 5/8	1
7	<u>1014217</u>	Spring, Compression	1
8	<u>1014125</u>	Wedge	2
9	<u>1014213</u>	Assembly, Bearing	2
10	<u>1014126</u>	Seat, Bearing	2
11	<u>1017315</u>	Shaft, Steering Column	1
12	<u>1014214</u>	Ring, Retaining	1
13	<u>102013001</u>	Weldment, Steering Column	1
14	<u>102278001</u>	Boot, Steering Column	1
15	<u>320</u>	Screw, Hex-Head Cap, 3/8-16 x 1	4
16	<u>334</u>	Washer, Flat, Type A, 3/8	4
17	<u>8754</u>	Nut, Nylon Lock, 3/8-16	4
18	<u>1017273</u>	Nut, Nylon Lock, 5/8-18	1
19	<u>1016219</u>	Assembly, Scorecard Plate (includes items 20 - 23)	1
20	<u>1012565</u>	Screw, Round Head, #12-14 x 1	2
21	<u>1012566</u>	Spring, Tapered Compression	2
22	<u>1016214</u>	Grip, Pencil	1
23	<u>1016154</u>	Clip, Scorecard	1
24	<u>1016663</u>	Screw, Phillips, Type A, #12-14 x 5/8	2
25	<u>1016156</u>	Wheel, Steering	1

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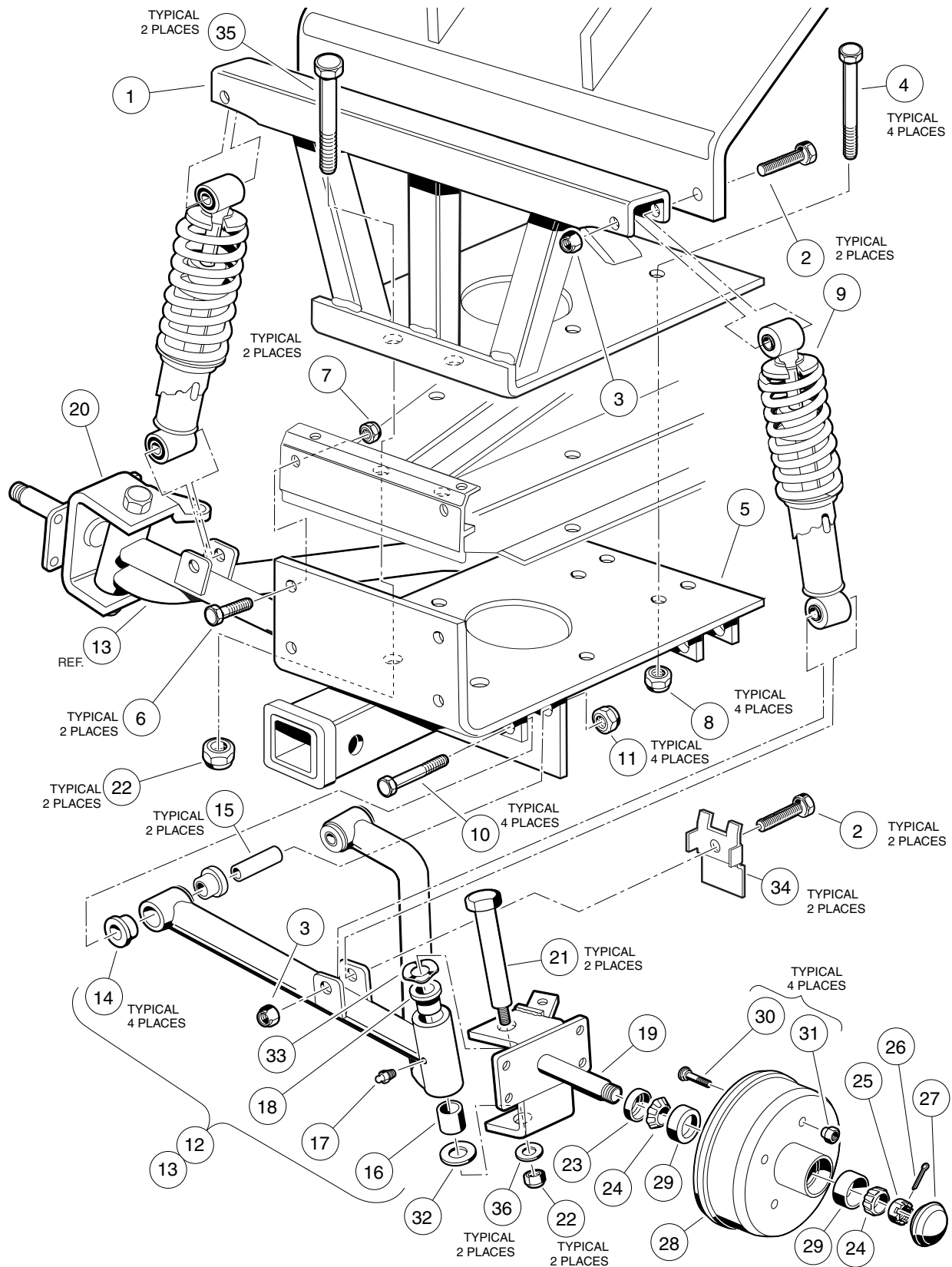


STEERING GEAR ASSEMBLY

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
	<u>102010101</u>	Assembly, Steering Gear Box (includes items 1 - 16)	1
1	N/A	Box, Steering Gear	1
2	N/A	Rack, Steering	1
3	N/A	Pinion, Steering	1
4	1013051	Ring, Snap	1
5	<u>101879701</u>	Guide, Steering Rack	1
6	<u>101879801</u>	Spring, Yoke	1
7	N/A	Screw, Rack Guide	1
8	<u>1013044</u>	Nut, Hex Jam, M30 x 2.....	1
9	<u>101880201</u>	Assembly, Inner Ball Joint	2
10	<u>1013035</u>	Seal, Dust	2
11	<u>8990</u>	Tie, Wire	2
12	1013042	Nut, Hex Jam, M12 x 1.25	4
13	<u>1013052</u>	Seal, Dust, Steering Pinion	1
14	N/A	Bearing, Lower Pinion	1
15	<u>101879401</u>	Bearing, Upper Pinion	1
16	<u>101879901</u>	Ring, C-Type Stop	1
17	<u>102022901</u>	Nut, Nylon Lock, M12 x 1.25	2
18	<u>102023301</u>	Pin, Cotter	2
19	<u>102022801</u>	Link, Rack and Pinion Drag	2
20	<u>1624</u>	Screw, Hex-Head Cap, 3/8-16 x 1-1/2	4
21	<u>334</u>	Washer, Flat, Type A, 3/8	4
22	<u>1010138</u>	Nut, Dimpled Lock, 3/8-16	4
23	<u>102022601</u>	Joint, Ball	2

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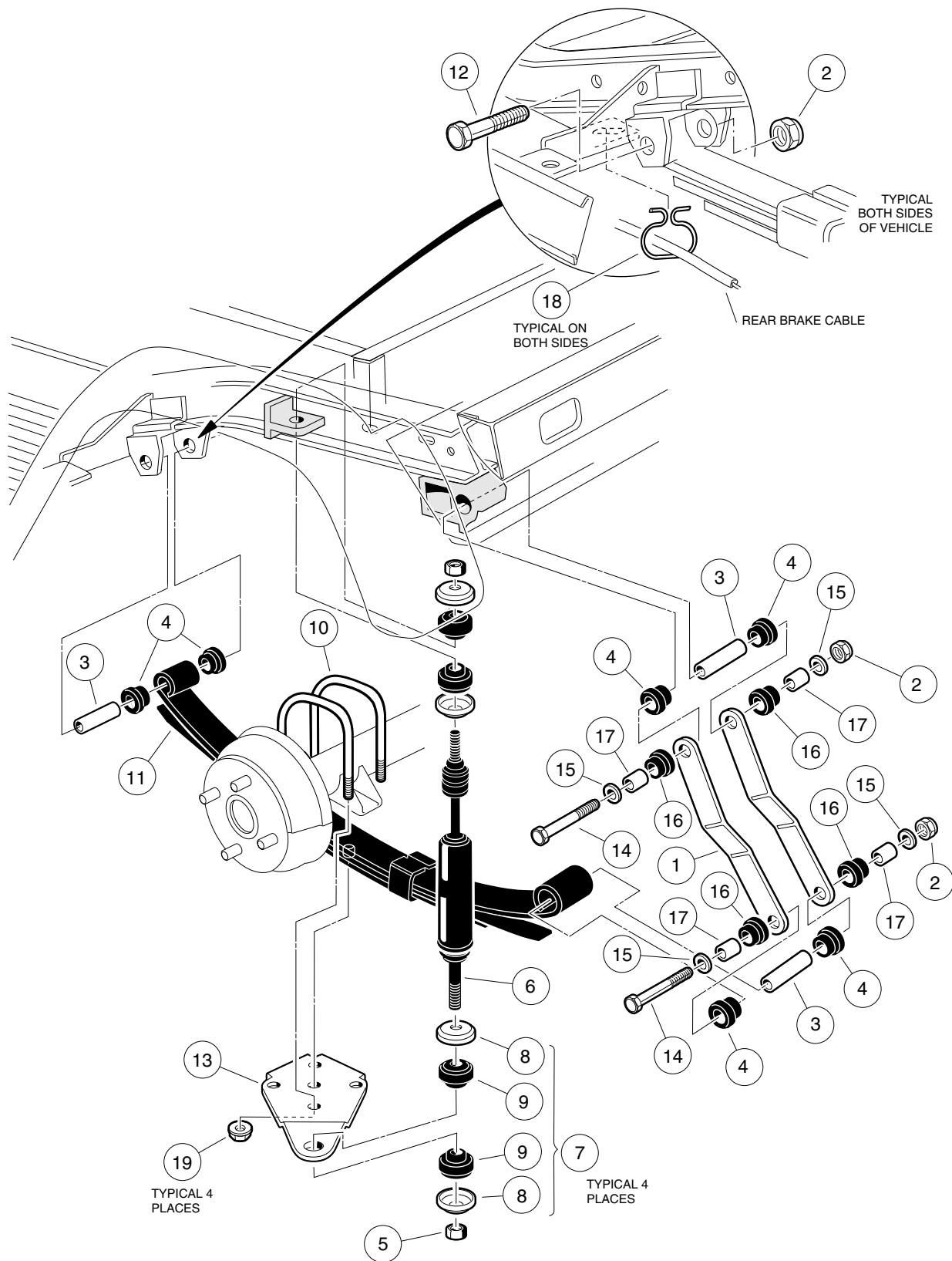
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FRONT SUSPENSION

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	<u>102012301</u>	Tower, Shock	1
2	<u>102023101</u>	Screw, Hex-Head Cap, 7/16-14 x 2-1/4	4
3	<u>1014555</u>	Nut, Nylon Lock, 7/16-14	4
4	<u>7270</u>	Screw, Hex-Head Cap, 3/8-16 x 4-1/2	4
5	102016801	Plate, Suspension Mounting	1
6	<u>1010934</u>	Screw, Hex-Head Cap, 5/16-18 x 1	2
7	<u>7473</u>	Nut, Nylon Lock, 5/16-18	2
8	<u>8754</u>	Nut, Nylon Lock, 3/8-16	4
9	<u>102017601</u>	Shock, Coil Over	2
10	<u>1016387</u>	Screw, Hex-Head Cap, 3/8-16 x 2-3/4	4
11	<u>8754</u>	Nut, Nylon Lock, 3/8-16	4
12	102052401	Assembly, A-Arm, Driver-Side (includes items 14 - 18)	1
13	102052301	Assembly, A-Arm, Passenger-Side (includes items 14 - 18)	1
14	<u>1016346</u>	Bushing, Urethane	4
15	<u>102066701</u>	Sleeve, Steel	2
16	<u>7048</u>	Bushing, Bronze	1
17	1015587	Fitting, Grease, Thread-Forming, 1/4-28	1
18	<u>8067</u>	Bushing, Bronze Spindle	1
19	102016701	Spindle, Driver-Side	1
20	<u>102016501</u>	Spindle, Passenger-Side	1
21	<u>102048601</u>	Bolt, Kingpin	2
22	<u>101903101</u>	Nut, Nylon Lock, 1/2-20	4
23	<u>102023001</u>	Seal, Double Lip	2
24	<u>102013701</u>	Bearing, Hub	4
25	<u>102013801</u>	Nut, Slotted Hex	2
26	<u>101838801</u>	Pin, Cotter, 5/32 x 1-1/4	2
27	<u>102013601</u>	Cover, Dust	2
28	102044201	Assembly, Brake Drum (includes items 29 and 30)	2
29	N/A	Cup, Bearing	2
30	<u>1013787</u>	Stud, Lug, 1/2-20	4
31	<u>1010984</u>	Nut, Lug, 1/2-20	8
32	<u>1010150</u>	Bearing, Thrust	2
33	<u>1016389</u>	Washer, Kingpin Wave	2
34	<u>102100001</u>	Stop, Steering	2
35	<u>102067001</u>	Screw, Hex-Head Cap, 1/2-20 x 4-1/2	2
36	<u>1010028</u>	Washer, Flat, 1/2	2

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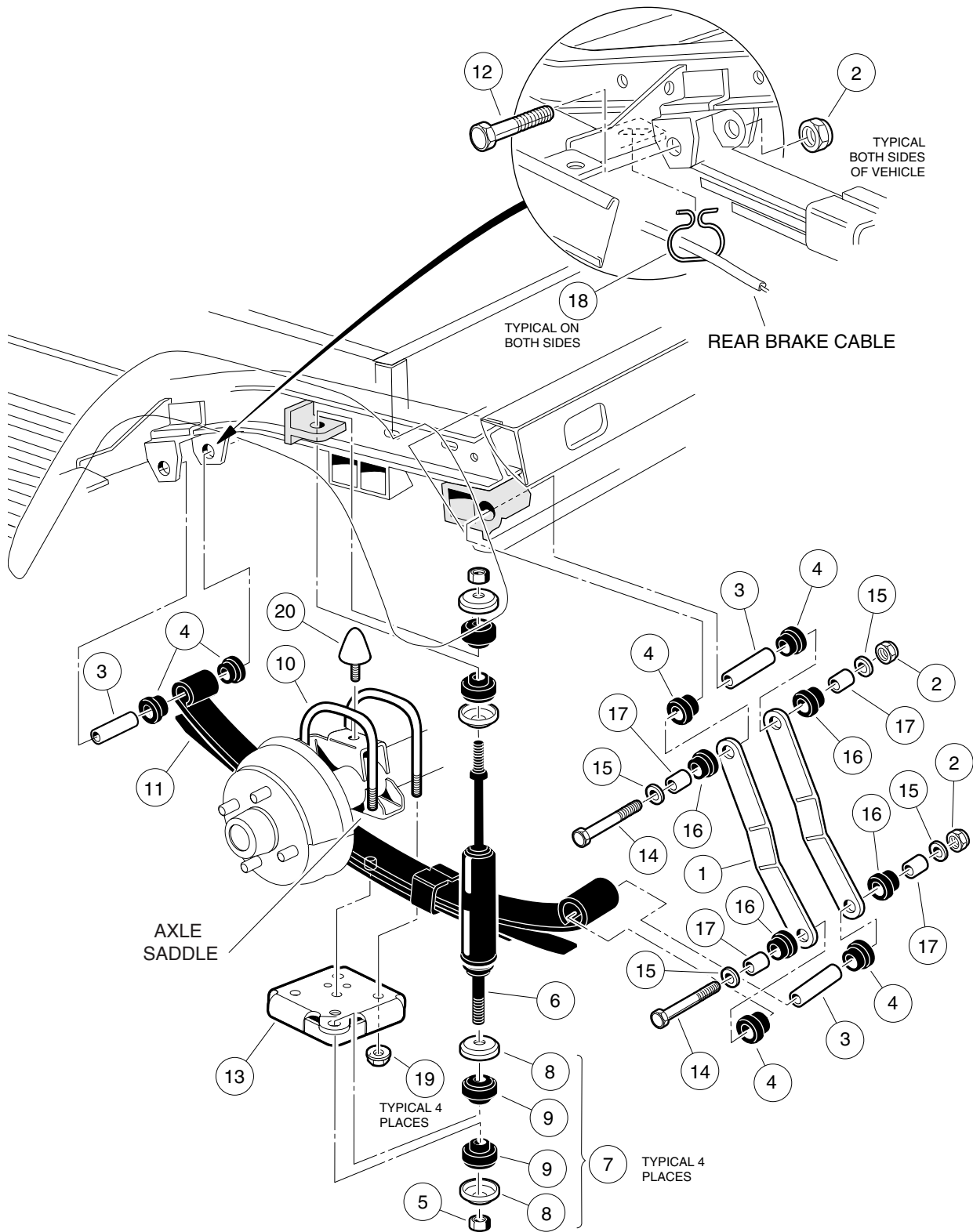


REAR SUSPENSION – MC010C TRANSAXLE VEHICLE

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	<u>1012304</u>	Shackle, Rear Spring	4
2	<u>8754</u>	Nut, Nylon Lock, 3/8-16	6
3	<u>1012303</u>	Bushing, Steel	6
4	<u>1015583</u>	Bushing, Urethane	12
5	<u>1010145</u>	Nut, UNF Hex, 3/8-24	4
6	<u>102006601</u>	Shock Absorber, Rear	2
7	<u>1011415</u>	Kit, Shock Absorber Cushion (includes items 8 and 9)	4
8	N/A	Retainer, Shock Absorber Cushion	2
9	N/A	Cushion, Shock Absorber	2
10	<u>102032301</u>	U-Bolt	4
11	<u>102006501</u>	Spring, Rear Four-leaf	2
12	<u>102066201</u>	Screw, Hex-Head Cap, Grade 8, 3/8-16 x 3-1/2	2
13	<u>102032201</u>	Pad, Spring	2
14	<u>7270</u>	Screw, Hex-Head Cap, 3/8-16 x 4-1/2	4
15	<u>808</u>	Washer, Flat, 3/8	8
16	<u>1015453</u>	Mount, Compression	8
17	<u>102045601</u>	Spacer	8
18	<u>101900802</u>	Hanger, Brake Cable	2
19	<u>102065001</u>	Nut, Flanged Dimple, 7/16-14	8

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REAR SUSPENSION – MC012C TRANSAXLE VEHICLE

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	<u>102256901</u>	Shackle, Rear Spring	4
2	<u>8754</u>	Nut, Nylon Lock, 3/8-16	6
3	<u>1012303</u>	Bushing, Steel	6
4	<u>1015583</u>	Bushing, Urethane	12
5	<u>1010145</u>	Nut, UNF Hex, 3/8-24	4
6	<u>102267301</u>	Shock Absorber, Rear	2
7	<u>1011415</u>	Kit, Shock Absorber Cushion (includes items 8 and 9)	4
8	N/A	Retainer, Shock Absorber Cushion	2
9	N/A	Cushion, Shock Absorber	2
10	<u>102258801</u>	U-Bolt	4
11	<u>102006501</u>	Spring, Rear Four-leaf	2
12	<u>102066201</u>	Screw, Hex-Head Cap, Grade 8, 3/8-16 x 3-1/2	2
13	<u>102266301</u>	Pad, Spring	2
14	<u>7270</u>	Screw, Hex-Head Cap, 3/8-16 x 4-1/2	4
15	<u>808</u>	Washer, Flat, 3/8	8
16	<u>1015453</u>	Mount, Compression	8
17	<u>102045601</u>	Spacer	8
18	<u>101900802</u>	Hanger, Brake Cable	2
19	<u>102065001</u>	Nut, Flanged, 7/16-14	8
20	<u>102188701</u>	Stop, Axle	2

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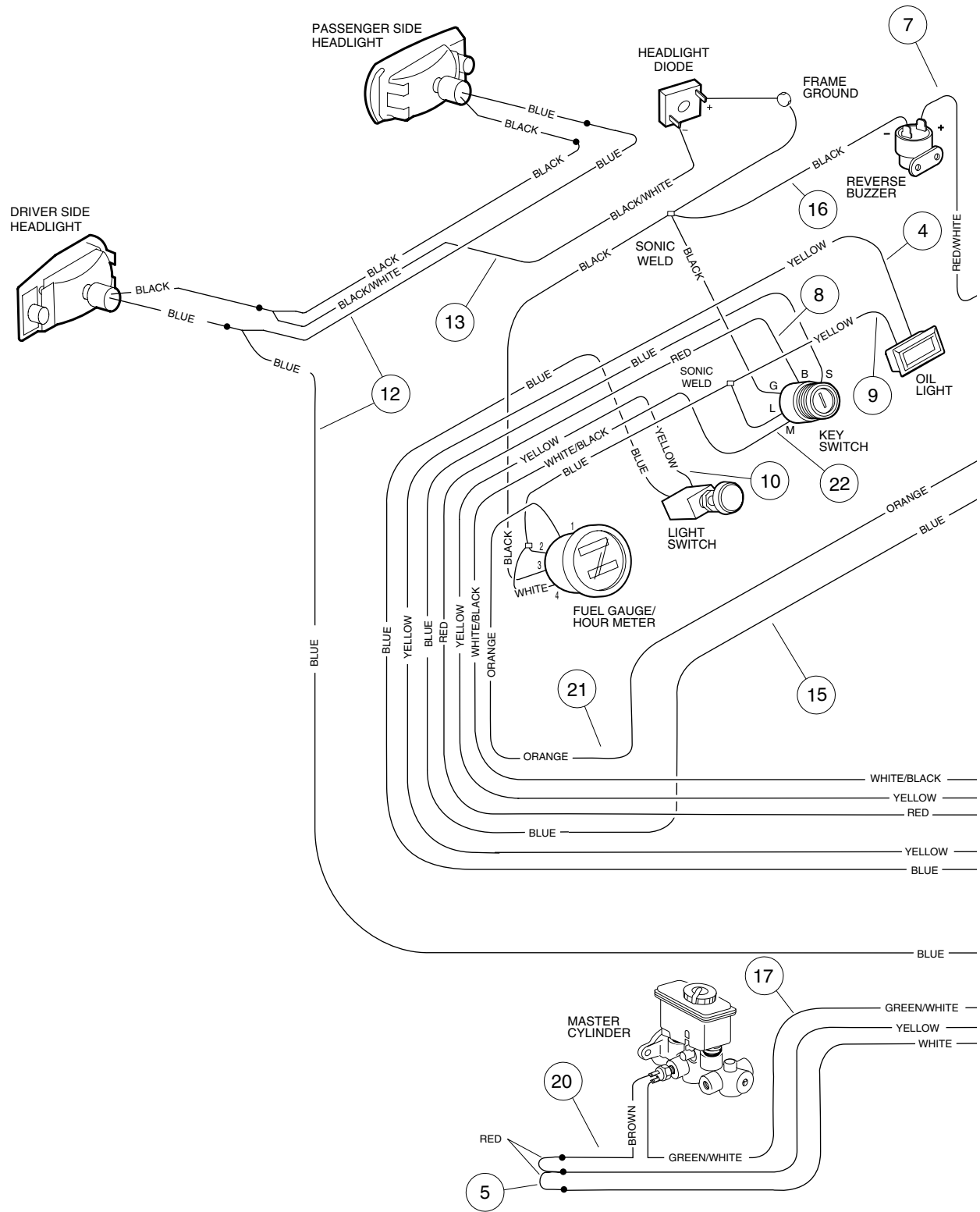
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ELECTRICAL SYSTEM

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PIONEER 1200 KEY-START VEHICLE WIRING





See previous two pages for wiring diagram.

WIRING

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
	<u>102223601</u>	Wire Harness Assembly (includes items 1 - 22)	1
1	<u>1015769</u>	Wire Assembly, #6 White	1
2	N/A	Wire Assembly, #18 Yellow	1
3	<u>1016380</u>	Wire Assembly, #6 Black	1
4	N/A	Wire Assembly, #18 Yellow	1
5	N/A	Wire Assembly, #18 Red	1
6	N/A	Wire Assembly, #18 Black, #16 Black	1
7	N/A	Wire Assembly, #18 Red/White	1
8	N/A	Wire Assembly, #14 Red, #18 Orange	1
9	N/A	Wire Assembly, #18 Yellow, #18 Blue, #18 White	1
10	N/A	Wire Assembly, #14 Yellow	1
11	N/A	Wire Assembly, #18 Black	1
12	N/A	Wire Assembly, #16 Blue, #14 Blue, #18 Brown, #16 Brown	1
13	N/A	Wire Assembly, #16 Black, #16 Black/White	1
14	N/A	Wire Assembly, #18 Green	1
15	N/A	Wire Assembly, #18 Blue	1
16	N/A	Wire Assembly, #18 Black, #16 Black	1
17	N/A	Wire Assembly, #18 Green/White	1
18	N/A	Wire Assembly, #18 White	1
19	N/A	Wire Assembly, #18 Yellow	1
20	N/A	Wire Assembly, #18 Brown	1
21	N/A	Wire Assembly, #18 Orange	1
22	N/A	Wire Assembly, #18 White/Black	1
23	N/A	Wire Assembly, #18 Yellow	1
24	<u>1014119</u>	Wire Assembly, #6 Red	1
25	N/A	Wire Assembly, #18 Black	1
26	<u>1012382</u>	Wire Assembly, #6 Black	1
27	<u>1015737</u>	Wire Assembly, #10 Red (part of electrical component box)	1
28	<u>1015332</u>	Wire Assembly, #10 Braided Ground	1
29	<u>101837301</u>	Wire Assembly, #6 Green	1

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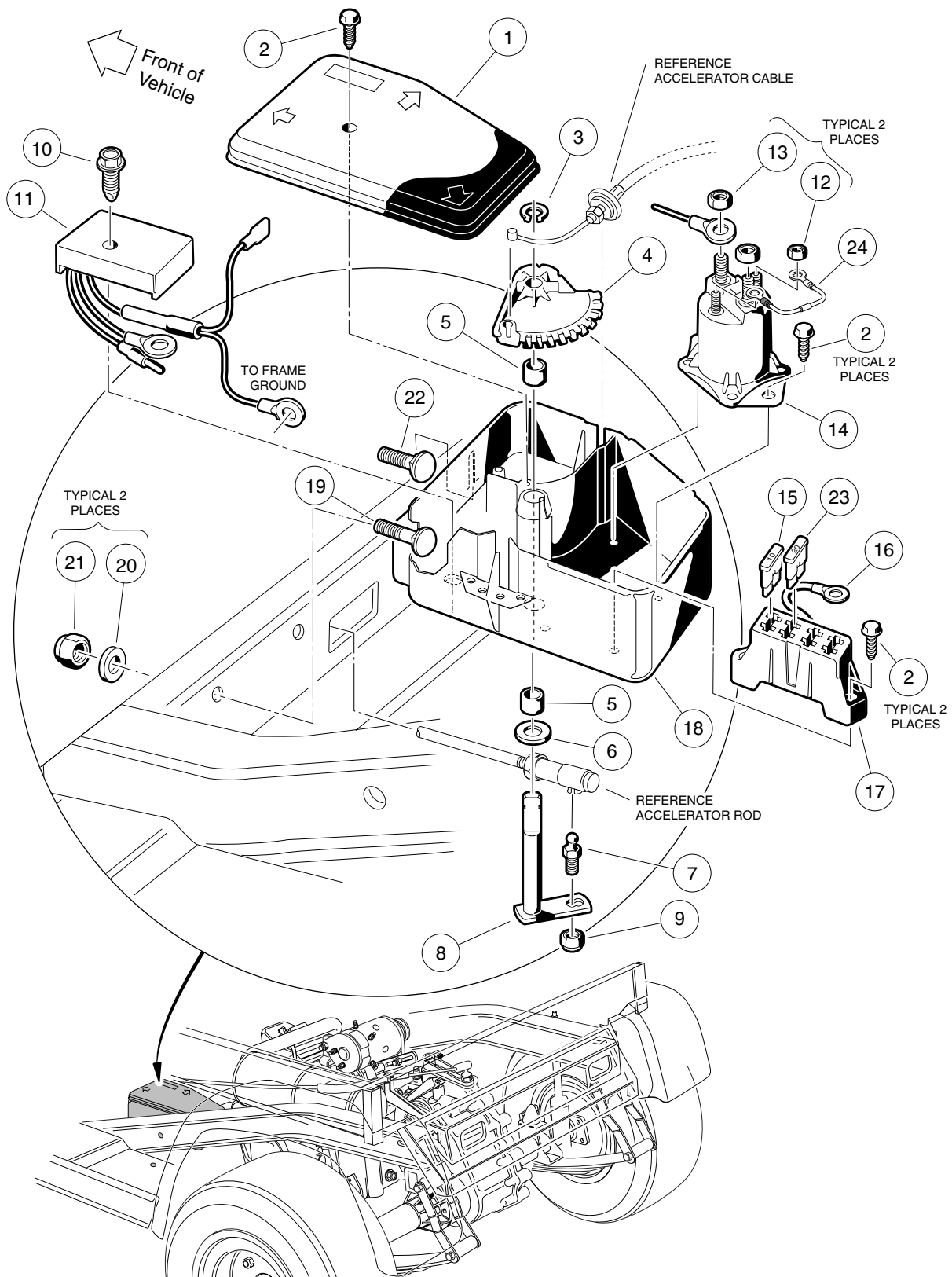
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FORWARD/REVERSE SHIFTER ASSEMBLY

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
	1016947	Assembly, Forward/Reverse Shifter (includes items 1 - 17)	1
1	<u>1012594</u>	Screw, Machine, #4-40 x 1-1/2	2
2	<u>1016342</u>	Base, Forward/Reverse Shifter	1
3	<u>8057</u>	Nut, Hex-Head, #4-40	4
4	1012431	Washer, Flat, #4	4
5	<u>101979101</u>	Switch, Limit	1
6	<u>1014727</u>	Washer, Nylon Flat, #4	2
7	<u>1014807</u>	Switch, Limit	1
8	<u>8058</u>	Washer, Lock, #4	2
9	<u>1014145</u>	Bushing, Bronze	2
10	1014089	Kit, Neutral Lockout Cam (includes item 11)	1
11	<u>1014065</u>	Washer, Flat, Delrin	1
12	<u>1013590</u>	Spring, Forward/Reverse Cam	1
13	<u>1013589</u>	Ring, Retaining	1
14	1013587	Weldment, Forward/Reverse Bell Crank	1
15	<u>1013591</u>	Pin, Roll, 1/8	1
16	<u>8717</u>	Nut, Nylon Lock, 1/4-28	1
17	<u>1010954</u>	Stud, Ball, 1/4-28 x 1/4	1
18	<u>1015409</u>	Cable, Transmission (includes items 19 and 20)	1
19	<u>7893</u>	Nut, Hex, #10-32	2
20	<u>1012333</u>	Joint, Ball	2
21	<u>1013198</u>	Screw, Phillips Oval Countersunk Machine, #8-32 x 5/8	1
22	<u>1012987</u>	Handle, Forward/Reverse Switch	1
23	<u>8248</u>	Screw, Phillips Truss-Head, 1/4-20 x 3/4	4
24	8233	Nut, Nylon Lock, 1/4-20	4
25	<u>1016201</u>	Washer, Wave, 3/8	1
26	<u>102045901</u>	Bracket, Transmission Cable Support	1
27	<u>1012285</u>	Screw, Thread-Rolling, 1/4-20 x 5/8	3

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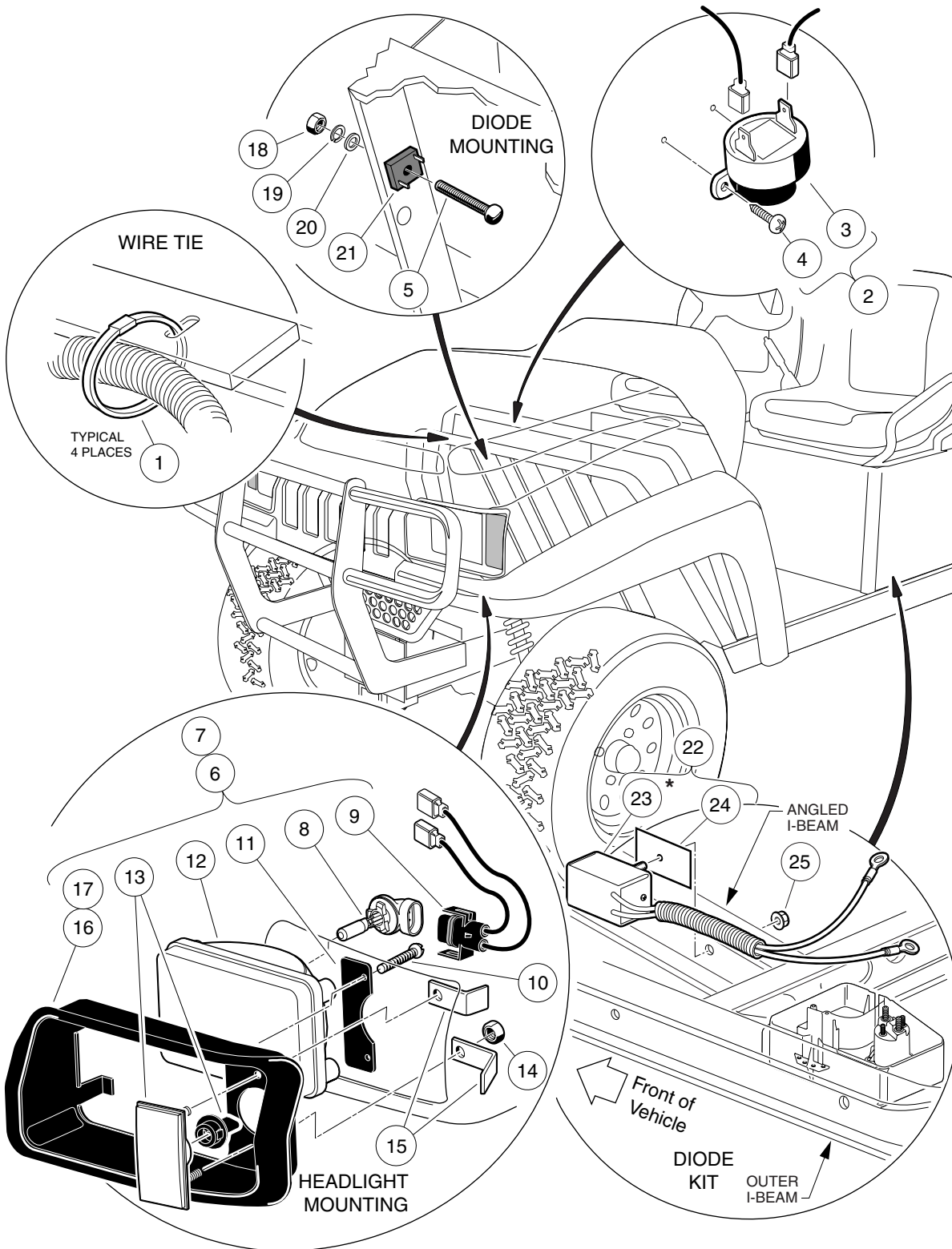


ELECTRICAL COMPONENT BOX

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	<u>1015372</u>	Cover, Electrical Component Box	1
2	<u>1015752</u>	Screw, Hi-Lo, #12-16 x 5/8	5
3	<u>1013589</u>	Ring, Retaining	1
4	<u>1015373</u>	Cam, Electrical Box	1
5	<u>1014145</u>	Bushing, Bronze	2
6	<u>1014065</u>	Washer, Flat, Delrin	1
7	<u>1010954</u>	Stud, Ball, 1/4-28	1
8	<u>1015345</u>	Assembly, Bell Crank and Shaft	1
9	<u>8717</u>	Nut, Nylon Lock, 1/4-28	1
10	<u>101856102</u>	Screw, Hex Washer Head Hi-Lo, 1/4-15 x 1-1/2	1
11	<u>1015777</u>	Regulator, Voltage	1
12	<u>7893</u>	Nut, Hex, #10-32	2
13	<u>1242</u>	Nut, Hex, 5/16-18	2
14	<u>1013609</u>	Solenoid, 12-Volt	1
15	<u>1012295</u>	Fuse, 10-Amp	1
16	<u>1015737</u>	Wire Assembly, #10 Red	1
17	<u>1015741</u>	Block, Fuse	1
18	<u>1015371</u>	Box, Electrical Component	1
19	<u>1015405</u>	Bolt, Carriage, 5/16-18 x 2	1
20	<u>1241</u>	Washer, Flat, 5/16	2
21	<u>7473</u>	Nut, Nylon Lock, 5/16-18	2
22	<u>7818</u>	Bolt, Carriage, 5/16-18 x 1-1/2	1
23	<u>1016423</u>	Fuse, 20-Amp	1
24	<u>1014948</u>	Diode, Flyback	1

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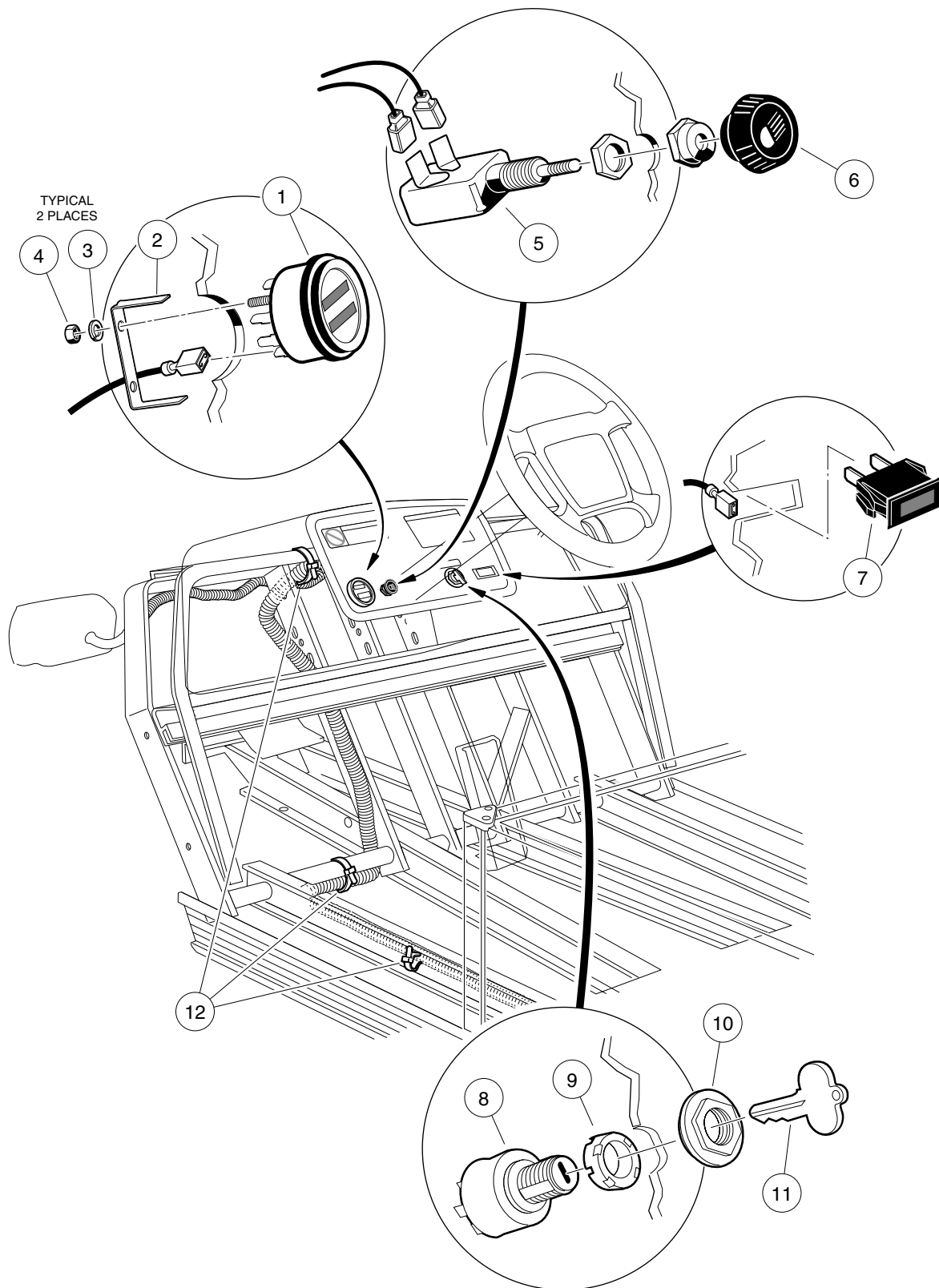


ELECTRICAL COMPONENTS, FRONT BODY

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	<u>8639</u>	Tie, Wire	4
2	<u>1016859</u>	Kit, Reverse Buzzer (includes items 3 and 4)	1
3	<u>1016851</u>	Buzzer, Reverse	1
4	<u>1016849</u>	Screw, Pan-Head Hi-Lo, #4-24 x 5/16	2
5	<u>1010909</u>	Screw, Machine Head, #10-32 x 1-1/4	1
6	<u>101988001</u>	Assembly, Headlight, Driver-Side (includes items 8 - 16)	1
7	<u>101988002</u>	Assembly, Headlight, Passenger-Side (includes items 8 - 15 and 17)	1
8	<u>101988101</u>	Bulb, Halogen	1
9	<u>101987901</u>	Harness, Headlight Wire	1
10	<u>1013461</u>	Screw, Hi-Lo, #10-16	2
11	<u>1017065</u>	Retainer, Headlight	1
12	<u>101988201</u>	Lens, Headlight	1
13	<u>1017062</u>	Assembly, Turn Signal Lens	1
14	<u>7893</u>	Nut, Hex, #10-32	2
15	<u>1017064</u>	Bracket, Mounting	2
16	<u>1016880</u>	Bezel, Headlight, Driver-Side	1
17	<u>1016879</u>	Bezel, Headlight, Passenger-Side	1
18	<u>7893</u>	Nut, Hex, #10-32	1
19	<u>1016</u>	Washer, Lock, #10	1
20	<u>183</u>	Washer, Flat, Type A, #10	1
21	<u>1017721</u>	Diode	1
22	<u>102272501</u>	Kit, Diode (includes items 23 - 25)	1
23	<u>102264001</u>	Assembly, Diode	1
24	<u>102269701</u>	Pad, Thermal	1
25	<u>101963401</u>	Nut, Hex Flanged Lock	1
*Some vehicles have as standard equipment a diode that looks different from that shown for item 23 in the illustration.			

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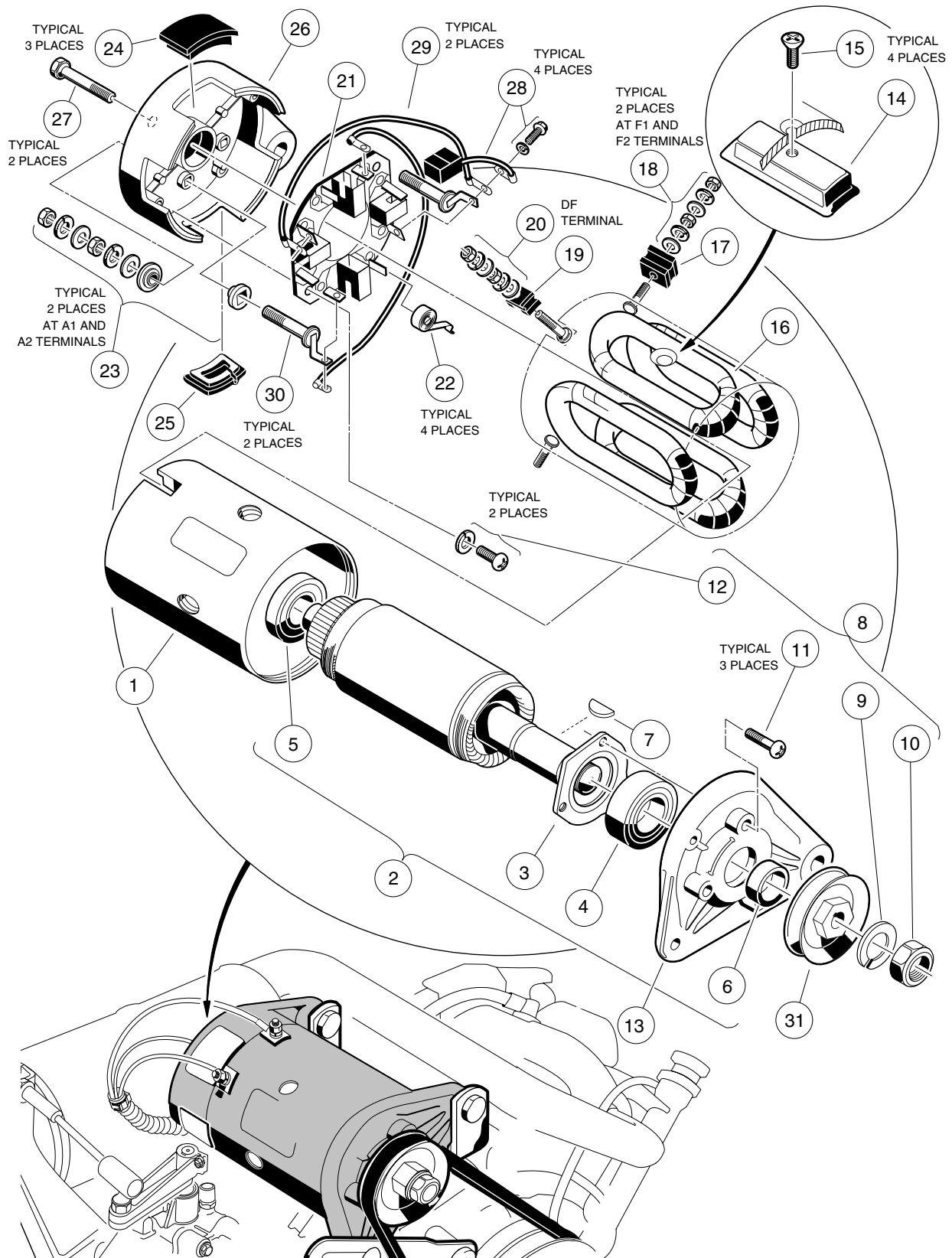


ELECTRICAL COMPONENTS, DASH PANEL

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	<u>101990701</u>	Fuel Gauge/Hour Meter (includes item 2)	1
2	N/A	Bracket	1
3	<u>1012986</u>	Washer, Lock, M4	2
4	<u>101991101</u>	Nut, M4 x .7	2
5	<u>102051901</u>	Switch, Light	1
6	<u>1013857</u>	Knob, Light Switch	1
7	<u>1016630</u>	Light, Oil Warning	1
8	<u>102044702</u>	Switch, Key	1
9	<u>102051601</u>	Spacer, Key Switch	1
10	<u>102051701</u>	Nut, Key Switch	1
11	102044801	Key (pair)	1
12	<u>8990</u>	Tie, Wire	3

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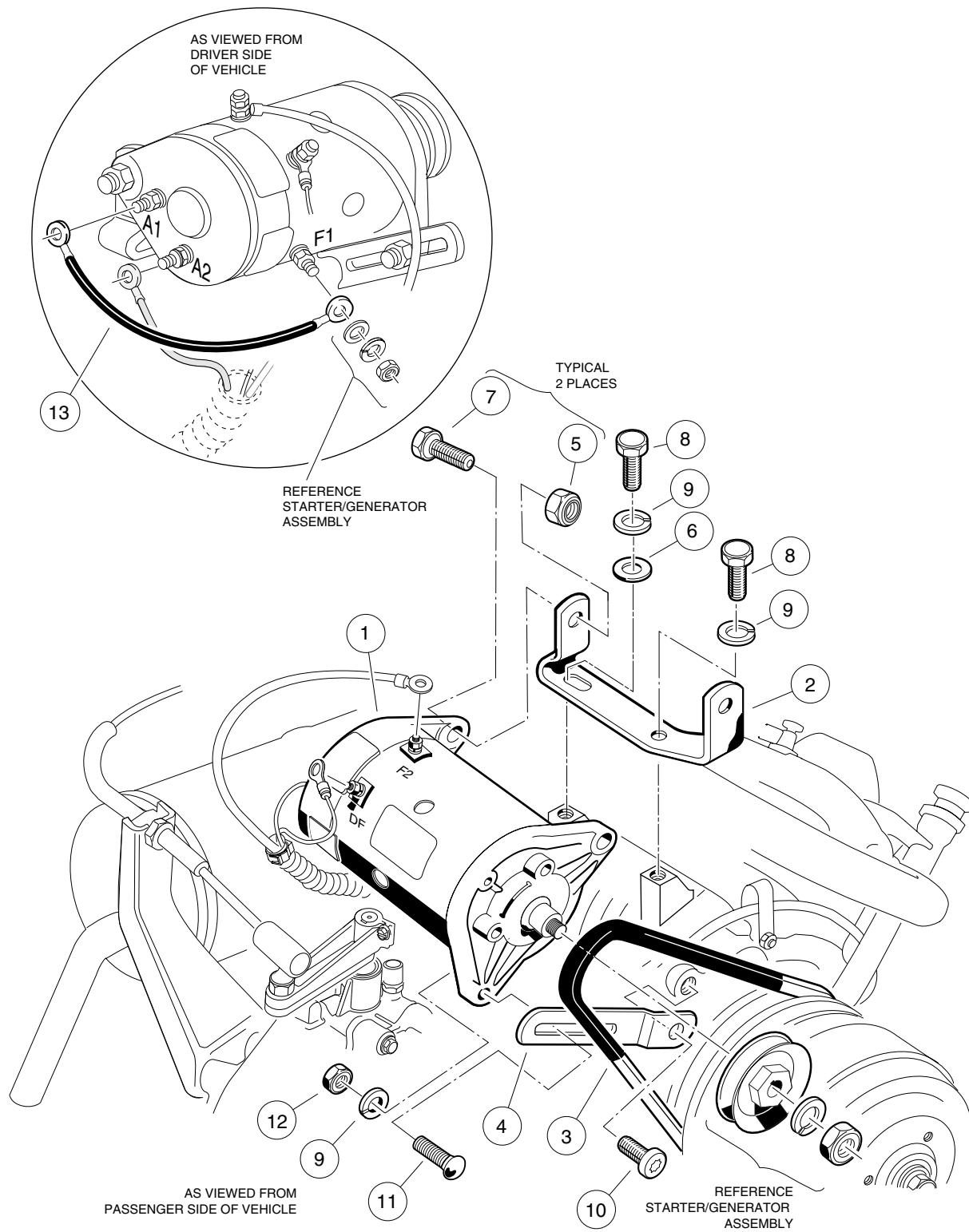


STARTER/GENERATOR ASSEMBLY

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
	<u>101833701</u>	Starter/Generator (clockwise rotation) (includes items 1 - 30)	1
1	<u>101875201</u>	Housing, Field Coil	1
2	<u>101875101</u>	Assembly, Armature (includes items 3 - 6)	1
3	<u>101875001</u>	Retainer, Bearing	1
4	<u>1013001</u>	Ball Bearing, Output Shaft	1
5	<u>1013005</u>	Commutator, Ball Bearing	1
6	<u>101939901</u>	Spacer, 5/16	1
7	<u>1013003</u>	Key, Woodruff	1
8	<u>101876501</u>	Kit, Pulley Nut and Screw (includes items 9 - 12)	1
9	N/A	Washer, Lock, M14	1
10	N/A	Nut, Hex, M14 x 2	1
11	N/A	Screw, Cross-Recessed, M5 x .8 x 18 mm	3
12	<u>101896501</u>	Screw, Cross-Recessed, M5 x .8 x 16 mm (with lock washer)	2
13	<u>101874901</u>	End Bell, Output Shaft	1
14	<u>101875301</u>	Set, Pole (set of 4)	1
15	<u>101875401</u>	Screw, Pole Piece (set of 4)	1
16	<u>101875501</u>	Coil, Field	1
17	<u>101875601</u>	Insulator, F Terminal	2
18	<u>101877601</u>	Package, Terminal Hardware (F1 and F2)	2
19	<u>101875701</u>	Insulator, DF Terminal	1
20	<u>101877701</u>	Package, Terminal Hardware (DF)	1
21	<u>101301102</u>	Holder, Brush (includes item 22)	1
22	<u>101878101</u>	Spring, Brush	4
23	<u>101876001</u>	Package, Terminal Hardware (A1 and A2)	2
24	<u>101876301</u>	Cover, Brush Inspection Port (set of 4) (includes item 25)	1
25	<u>1017653</u>	Cover, Brush Inspection Port, with Drain	1
26	<u>101876402</u>	End Bell, Commutator	1
27	<u>101879001</u>	Bolt, Clamp, M6 x 1 x 180 mm	2
28	<u>101869302</u>	Package, Brush (includes 4 brushes, 4 screws, 4 washers)	1
29	<u>101876202</u>	Connector, Brush	2
30	<u>101875802</u>	A Connector (set of 2)	1
31	<u>1014289</u>	Pulley	1

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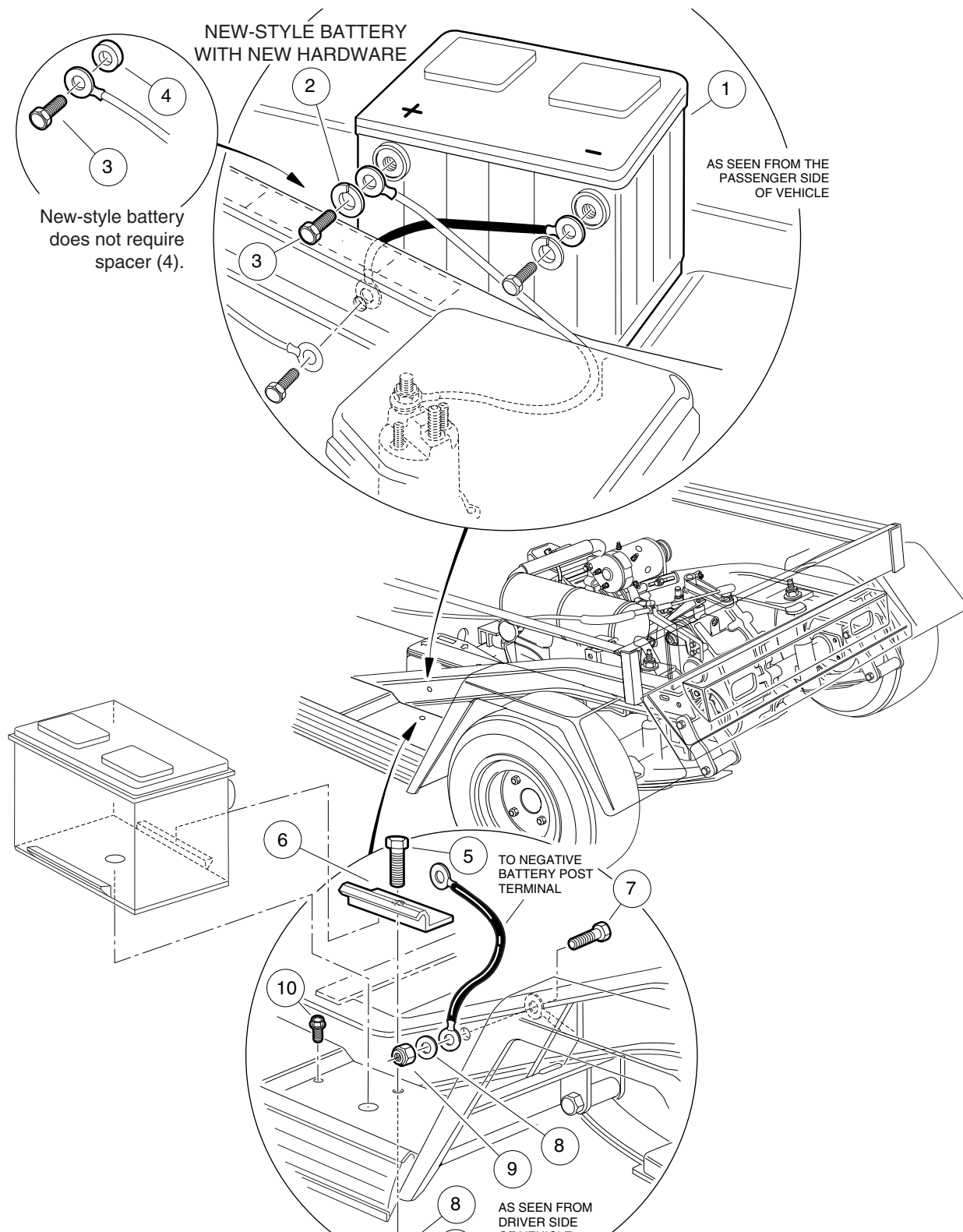
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STARTER/GENERATOR MOUNTING

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	<u>101833701</u>	Starter/Generator (clockwise rotation)	1
2	<u>101524002</u>	Bracket, Mounting, FE350 and FE400	1
3	<u>101916701</u>	Belt, Starter/Generator	1
4	<u>1016883</u>	Bracket, Adjusting	1
5	<u>8754</u>	Nut, Nylon Lock, 3/8-16	2
6	<u>1015075</u>	Washer, Flat, 5/16	1
7	<u>705</u>	Screw, Hex-Head Cap, 3/8-16 x 1-1/4	2
8	<u>1012830</u>	Screw, Hex-Head Cap, M8 x 1.25 x 22 mm	2
9	<u>7174</u>	Washer, Lock, 5/16	3
10	<u>1016074</u>	Screw, Torx Head, M8 x 1.25 x 18 mm	1
11	<u>1015932</u>	Bolt, Carriage, 5/16-18 x 1	1
12	<u>1242</u>	Nut, Hex, 5/16-18	1
13	<u>101837301</u>	Wire Assembly, #6 Green	1

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BATTERY

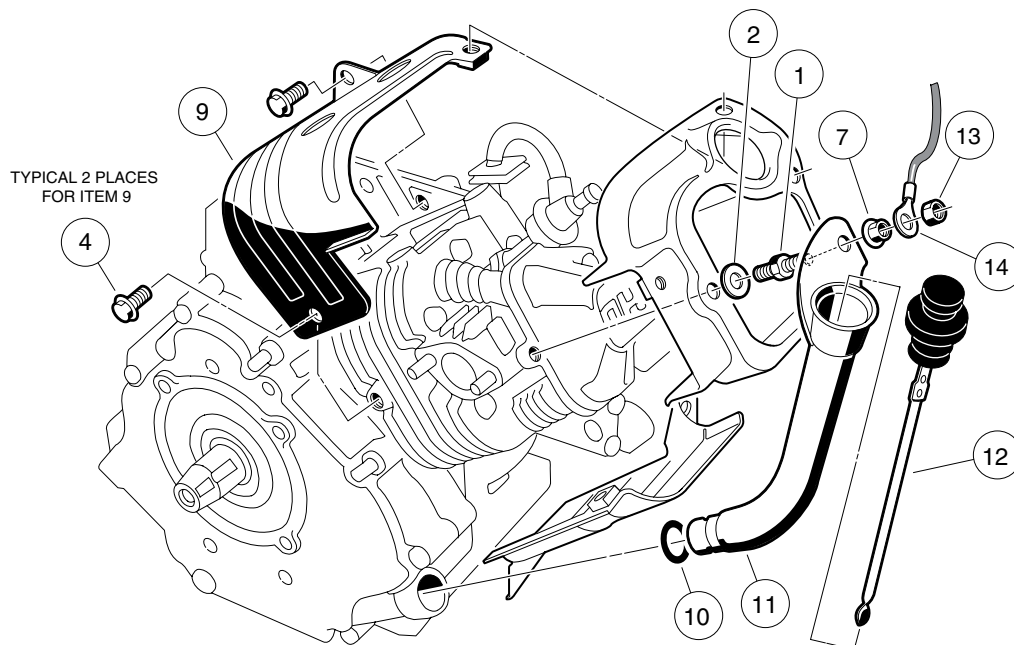
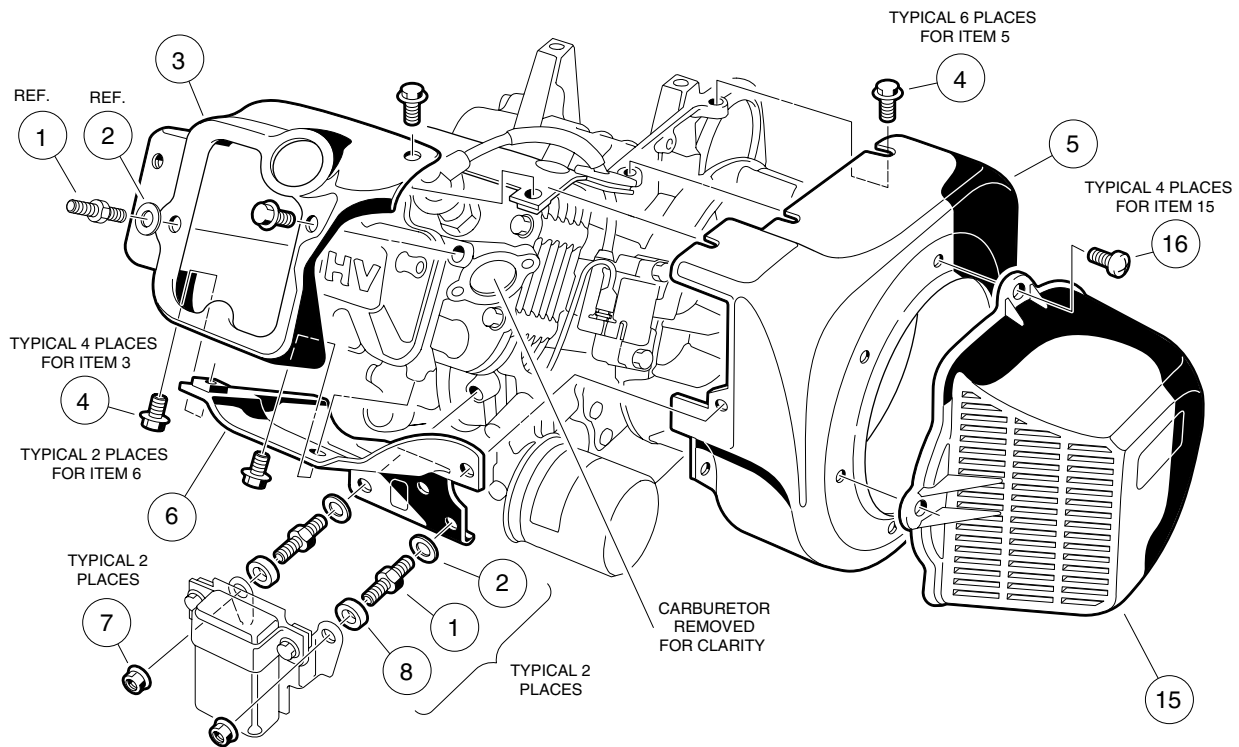
ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	<u>1012328</u>	Battery, 12-Volt	1
2	<u>102355301</u>	Washer, Lock, Stainless Steel, 3/8*	2
3	<u>1014375</u>	Screw, Hex-Head Cap, Stainless Steel, 3/8-16 x 1/2	2
4	<u>1014374</u>	Spacer, Battery Terminal Bolt*	2
5	<u>1010934</u>	Screw, Hex-Head Cap, 5/16-18 x 1	1
6	<u>101898001</u>	Clamp, Battery	1
7	<u>7173</u>	Screw, Hex Cap, 5/16-18 x 3/4	1
8	<u>1241</u>	Washer, Flat, 5/16	2
9	<u>7473</u>	Nut, Nylon Lock, 5/16-18	2
10	<u>1014288</u>	Screw, Thread-Forming, 5/16-16 x 3/4	1
*NOTE: When ordering a new battery, you must order the new stainless steel lockwasher (2). Lockwasher cannot be used if battery terminal spacer (4) is required by battery design.			

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FE350 ENGINE

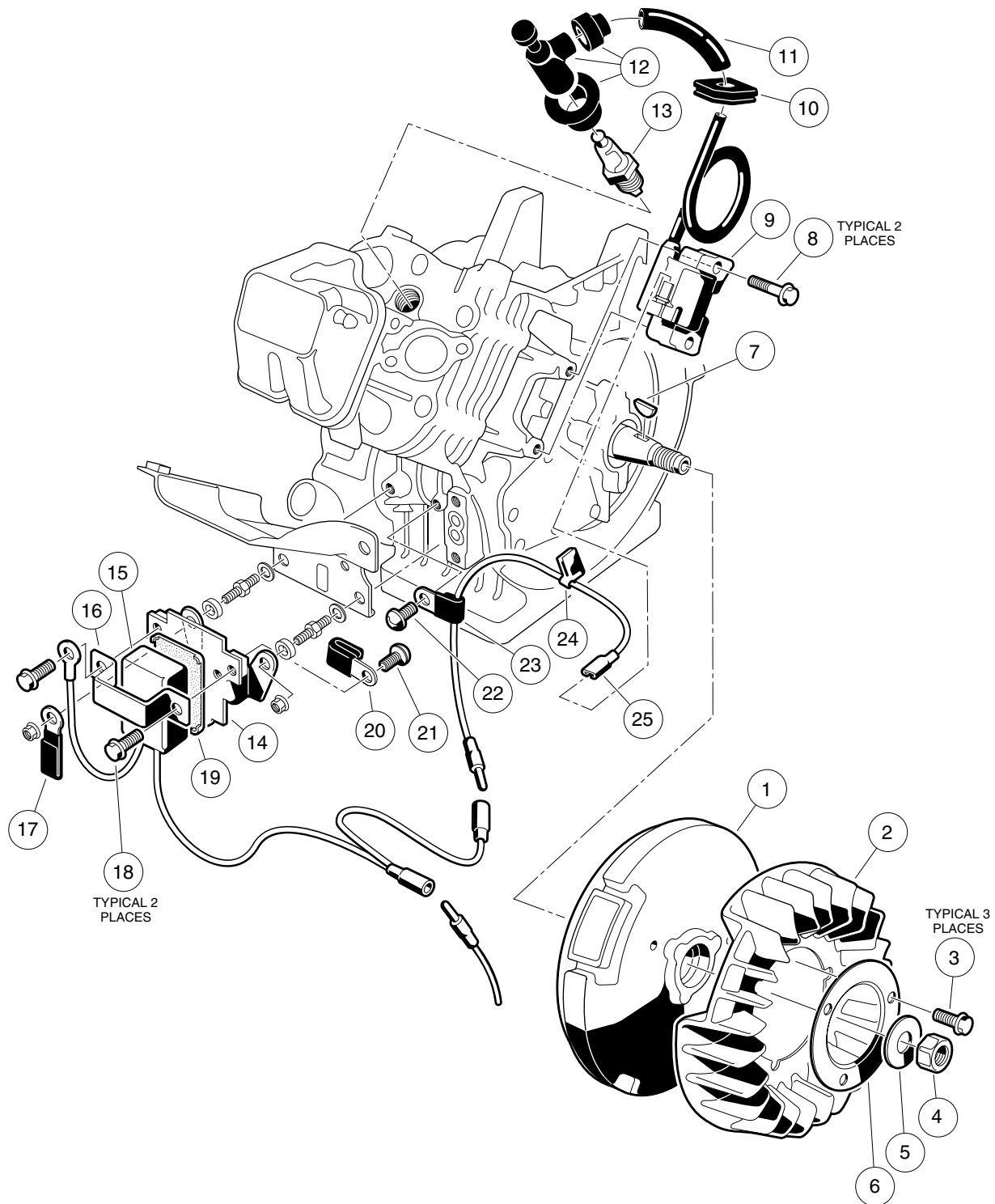


FE350 ENGINE – SHROUDS AND BRACKETS

ITEM	PART NO.	DESCRIPTION	QTY
	<u>101953801</u>	1 2 3 4 FE350 OHV Gasoline Engine, Complete (clockwise rotation) with automatic compression release (ACR) and Carburetor (does not include items 13 - 16)	1
1	<u>1016507</u>	Bolt, 2-Ended, M6 x 1 x 29 mm	3
2	N/A	Washer, Flat, 6 mm	3
3	<u>1017474</u>	Shroud, Cylinder Head	1
4	<u>1016456</u>	Bolt, Flanged, M6 x 1 x 12 mm	14
5	<u>101916101</u>	Housing, Fan	1
6	<u>1017476</u>	Shroud, Lower Cylinder	1
7	<u>1016547</u>	Nut, Flanged, M6 x 1	3
8	<u>1017500</u>	Spacer	2
9	<u>1017475</u>	Shroud, Upper Cylinder	1
10	<u>1016539</u>	O-Ring	1
11	<u>1017486</u>	Tube, Oil Filler	1
12	<u>1016531</u>	Dipstick	1
13	<u>101887601</u>	Nut, Nylon Lock, M6 x 1	1
14	<u>1015332</u>	Wire Assembly, #10 Braided Ground	1
15	<u>1015649</u>	Shroud, Fan	1
16	<u>1015969</u>	Screw, Pan-Head, M6 x 1 x 14 mm	4

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FE350 ENGINE

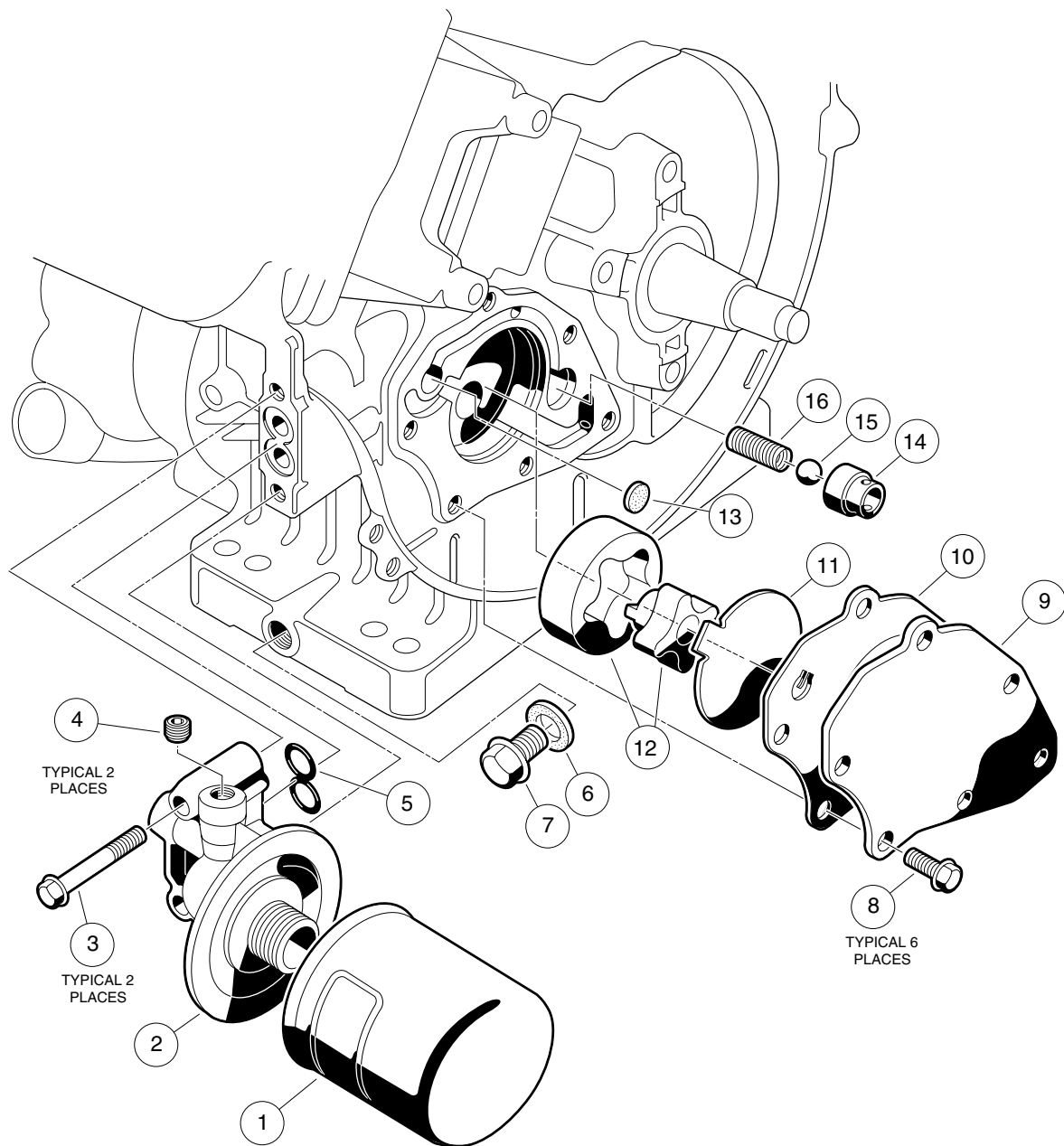


FE350 ENGINE – IGNITION COMPONENTS AND FLYWHEEL

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	<u>101916201</u>	Flywheel	1
2	<u>101916301</u>	Fan, Flywheel – Gray	1
3	<u>1017448</u>	Screw, Flanged Hex-Head, M6 x 1 x 10 mm	3
4	N/A	Nut, Hex, Fine, 18 mm	1
5	<u>1017490</u>	Washer, Flat, 18 mm	1
6	<u>1017455</u>	Plate, Flywheel Fan	1
7	<u>1016562</u>	Key	1
8	<u>1016455</u>	Screw, Hex-Head Flanged, M5 x 0.8 x 25 mm	2
9	<u>101909201</u>	Coil, Ignition (with internal igniter)	1
10	<u>1016578</u>	Grommet	1
11	<u>1016588</u>	Tube, 7 mm I.D. x 10 mm O.D. x 70 mm Long	1
12	<u>1017463</u>	Assembly, Plug Cap	1
13	<u>101881101</u>	Plug, Spark, OHV	1
14	<u>1016445</u>	Bracket, RPM Limiter	1
15	<u>101909401</u>	Limiter, RPM	1
16	<u>1016579</u>	Band, RPM Limiter Mount	1
17	<u>1012981</u>	Clamp	1
18	<u>1016456</u>	Screw, Flanged Hex-Head, M6 x 1 x 12 mm	2
19	<u>1016586</u>	Damper	1
20	<u>101909501</u>	Clamp	1
21	<u>1016497</u>	Screw, Cross Pan-Head, M5 x .8 x 8 mm	1
22	<u>1016544</u>	Screw, Cross Pan-Head Self-Tapping, M5 x 12 mm	1
23	<u>1016561</u>	Clamp	1
24	<u>1016587</u>	Clamp	1
25	<u>101909301</u>	Wire, Lead	1

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FE350 ENGINE

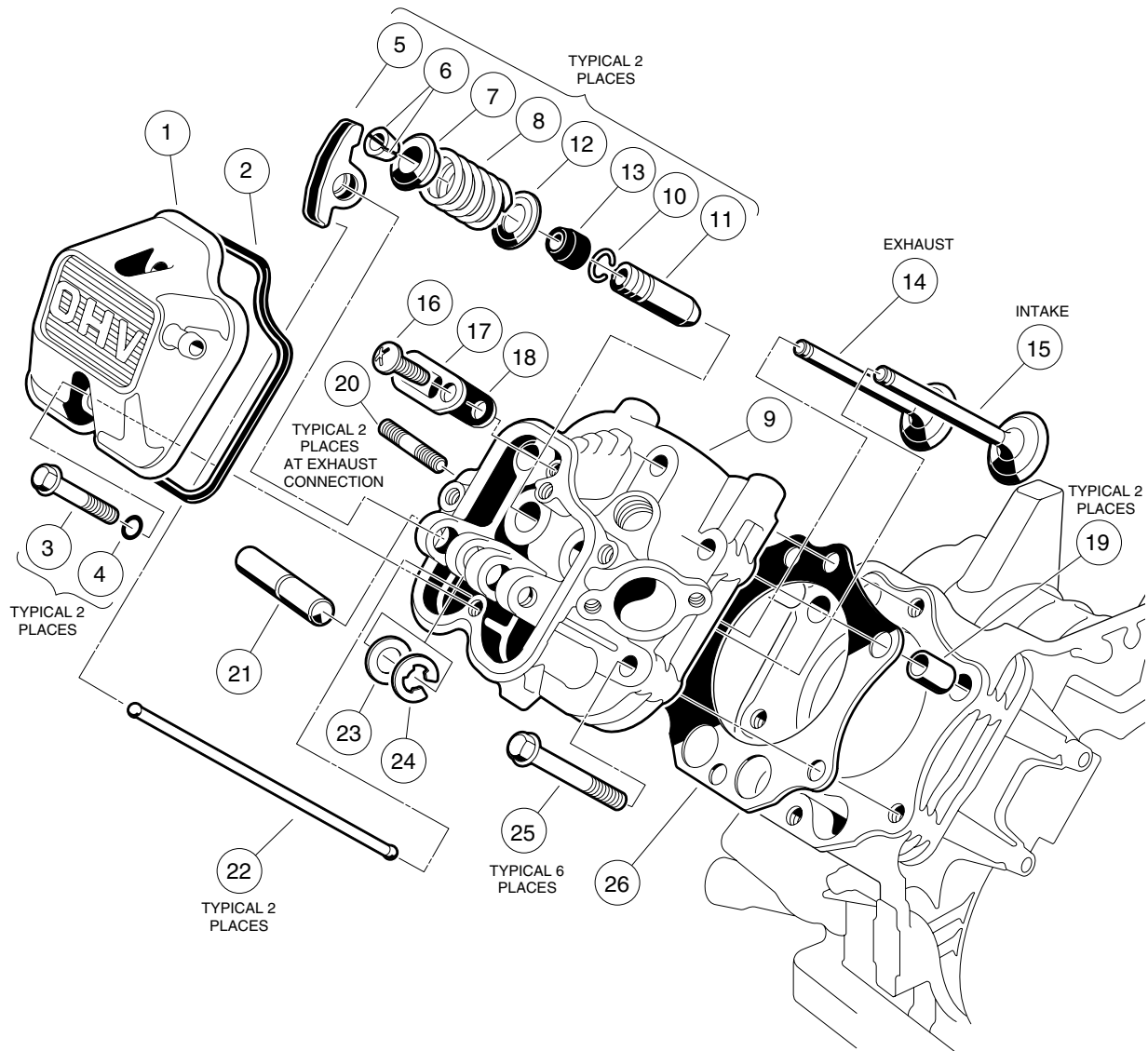


FE350 ENGINE – OIL CIRCULATION

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	<u>1016467</u>	Oil Filter	1
2	<u>1016502</u>	Bracket, Oil Filter	1
3	<u>1016457</u>	Bolt, Flanged Hex-Head, M6 x 1 x 40 mm	2
4	<u>1017507</u>	Plug	2
5	<u>1016570</u>	O-Ring, Oil Filter Mount	1
6	<u>1016432</u>	Gasket, Drain Plug	1
7	<u>1016576</u>	Plug, Drain	1
8	<u>1017456</u>	Screw, Flanged Hex-Head, M6 x 1 x 12 mm	6
9	<u>1017460</u>	Cover, Pump	1
10	<u>1017442</u>	Gasket, Oil Pump	1
11	<u>1016473</u>	Plate, Oil Pump	1
12	<u>101648203</u>	Pump, Oil and Rotor	1
13	<u>1017458</u>	Filter	1
14	<u>1016429</u>	Seat, Valve	1
15	<u>1016537</u>	Ball, Steel Pressure Relief	1
16	<u>1016581</u>	Spring	1

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FE350 ENGINE

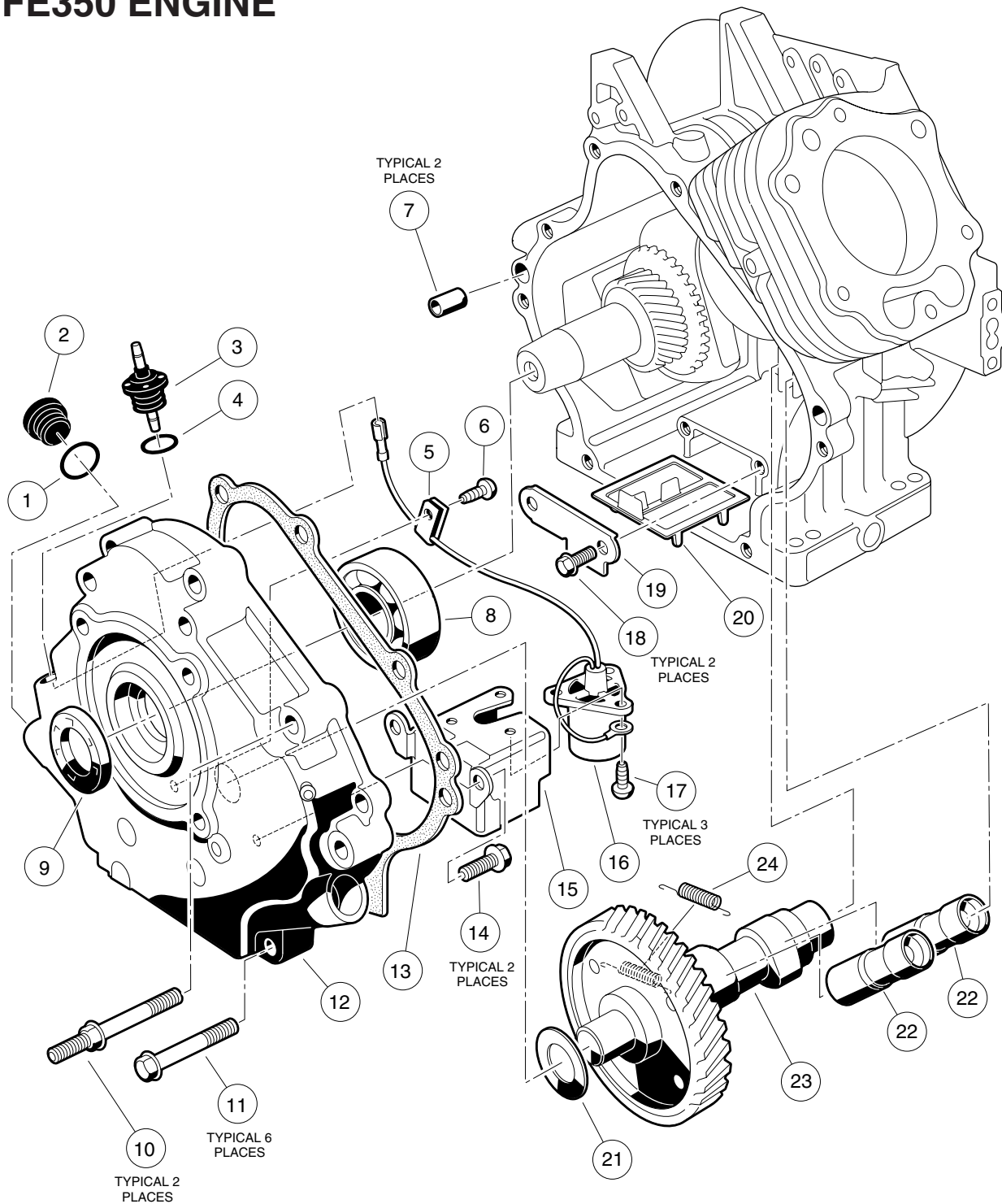


FE350 ENGINE – CYLINDER HEAD

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	<u>1016442</u>	Case, Rocker	1
2	<u>1016436</u>	Gasket, Rocker Case	1
3	<u>1016583</u>	Bolt, Flanged, M6 x 1 x 35 mm	2
4	<u>1016569</u>	O-Ring	2
5	<u>1017446</u>	Arm, Rocker	2
6	<u>1016450</u>	Collet	4
7	<u>1016449</u>	Retainer, Valve Spring	2
8	<u>1017473</u>	Spring, Engine Valve	2
9	<u>1017435</u>	Assembly, Cylinder Head, FE350 (includes items 10 and 11)	1
10	<u>1016560</u>	Ring, Snap	2
11	<u>1016519</u>	Guide, Valve	2
12	<u>1016479</u>	Seat, Spring	2
13	<u>1016566</u>	Seal, Valve	2
14	<u>1017445</u>	Valve, Exhaust	1
15	<u>1017444</u>	Valve, Intake	1
16	<u>1016544</u>	Screw, Cross Pan-Head Self-Tapping, M5 x .8 x 12 mm	1
17	<u>1016474</u>	Plate	1
18	<u>1016483</u>	Valve	1
19	<u>1016563</u>	Pin, Hollow	2
20	<u>1016489</u>	Bolt, Stud, M8 x 1.25 x 29 mm	2
21	<u>1016452</u>	Shaft, Rocker	1
22	<u>1017454</u>	Rod, Push	2
23	<u>1016549</u>	Washer, Flat, M12	1
24	<u>1016517</u>	Circlip, Type-E	1
25	<u>1016458</u>	Bolt, Flanged, M8 x 1.25 x 45 mm	6
26	<u>1017434</u>	Gasket, Head	1
27	<u>102304801</u>	Kit, Gasket, FE350 (contains one each of all internal gaskets for FE350 engine) (not shown)	1

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FE350 ENGINE

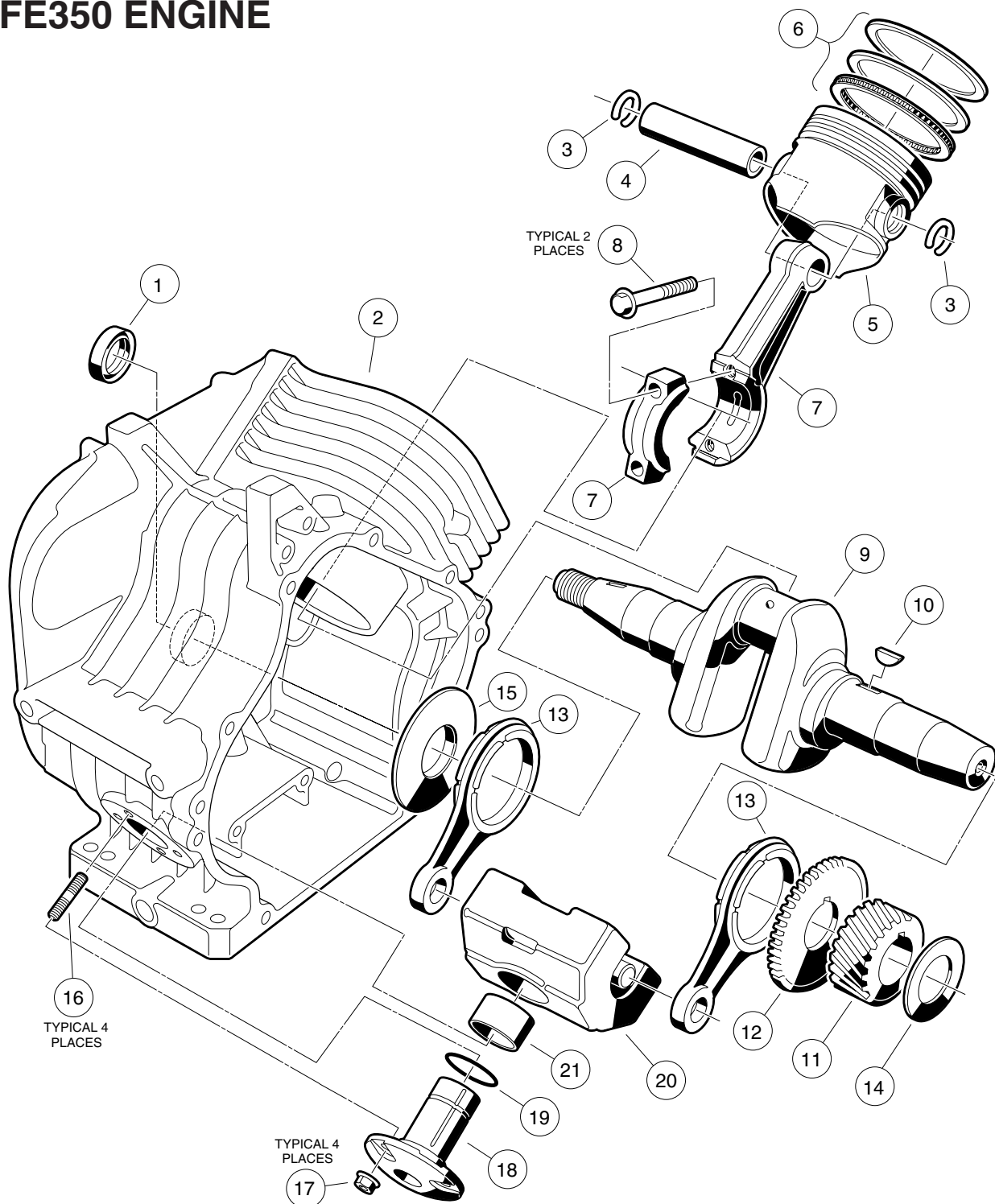


FE350 ENGINE – CRANKCASE, CAMSHAFT AND OIL SENSOR

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	<u>1016538</u>	O-Ring	1
2	<u>1017508</u>	Plug	1
3	<u>1016535</u>	Connector, Oil Sending Unit	1
4	<u>1016538</u>	O-Ring	1
5	<u>1016506</u>	Clamp	1
6	<u>1016544</u>	Screw, Cross Pan-Head Self-Tapping, M5 x .8 x 12 mm	1
7	<u>1016564</u>	Pin, Hollow	2
8	<u>1017487</u>	Bearing, Crankshaft	1
9	<u>1017504</u>	Seal, Crankshaft	1
10	<u>1016584</u>	Bolt, 2-Ended Flanged, M8 x 1.25 x 69 mm	2
11	<u>1017514</u>	Bolt, Flanged, M8 x 1.25 x 45 mm	6
12	<u>1017472</u>	Cover, Crankcase	1
13	<u>1017443</u>	Gasket, Crankcase Cover	1
14	<u>1017513</u>	Bolt, Flanged, M6 x 1 x 12 mm	2
15	<u>1016510</u>	Bracket, Oil Level Switch	1
16	<u>1016494</u>	Sensor, Oil Level	1
17	<u>1016496</u>	Screw, Cross Pan-Head, M4 x .7 x 8 mm	3
18	<u>1016454</u>	Bolt, Flanged, M5 x .8 x 8 mm	2
19	<u>1016472</u>	Plate, Oil Filter Screen	1
20	<u>1016521</u>	Screen, Oil Filter	1
21	<u>101751801</u>	Shim, 0.3 mm Thick	A/R
21	<u>101751802</u>	Shim, 0.4 mm Thick	A/R
21	<u>101751803</u>	Shim, 0.5 mm Thick	A/R
22	<u>1017447</u>	Lifter, Hydraulic	2
23	<u>101915901</u>	Camshaft (with automatic compression release) (for engines with serial numbers lower than 094141) (includes item 24)	1
23	<u>102271601</u>	Camshaft, FE350/FE400 (with automatic compression release) (for engines with serial numbers 094171 and greater) (includes item 24)	1
24	<u>1017511</u>	Spring	1
25	<u>102304801</u>	Kit, Gasket, FE350 (contains one each of all internal gaskets for FE350 engine) (not shown)	1

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FE350 ENGINE

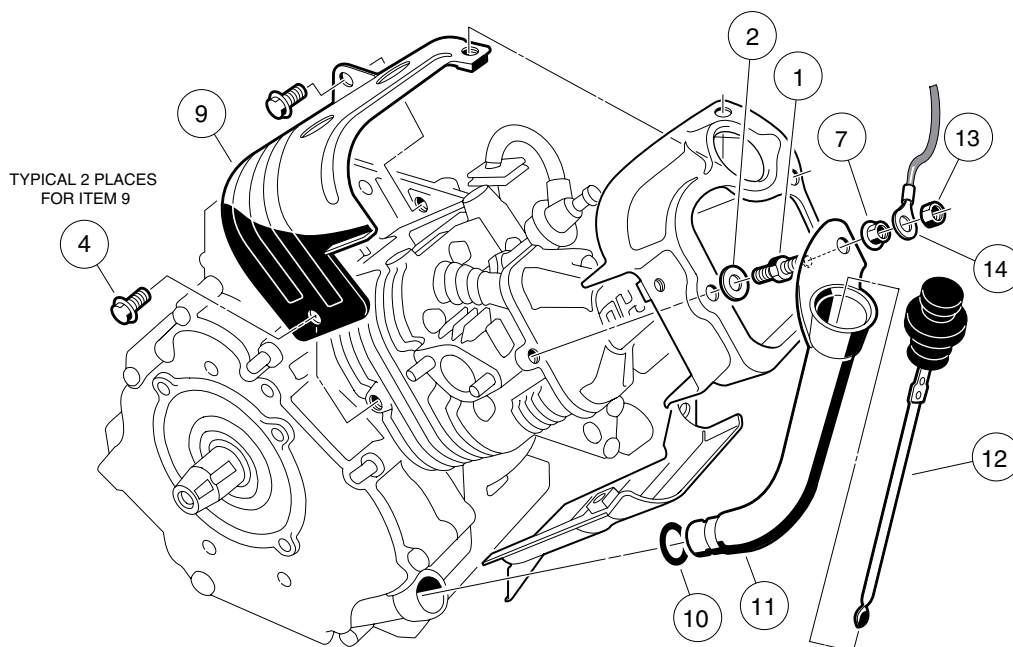
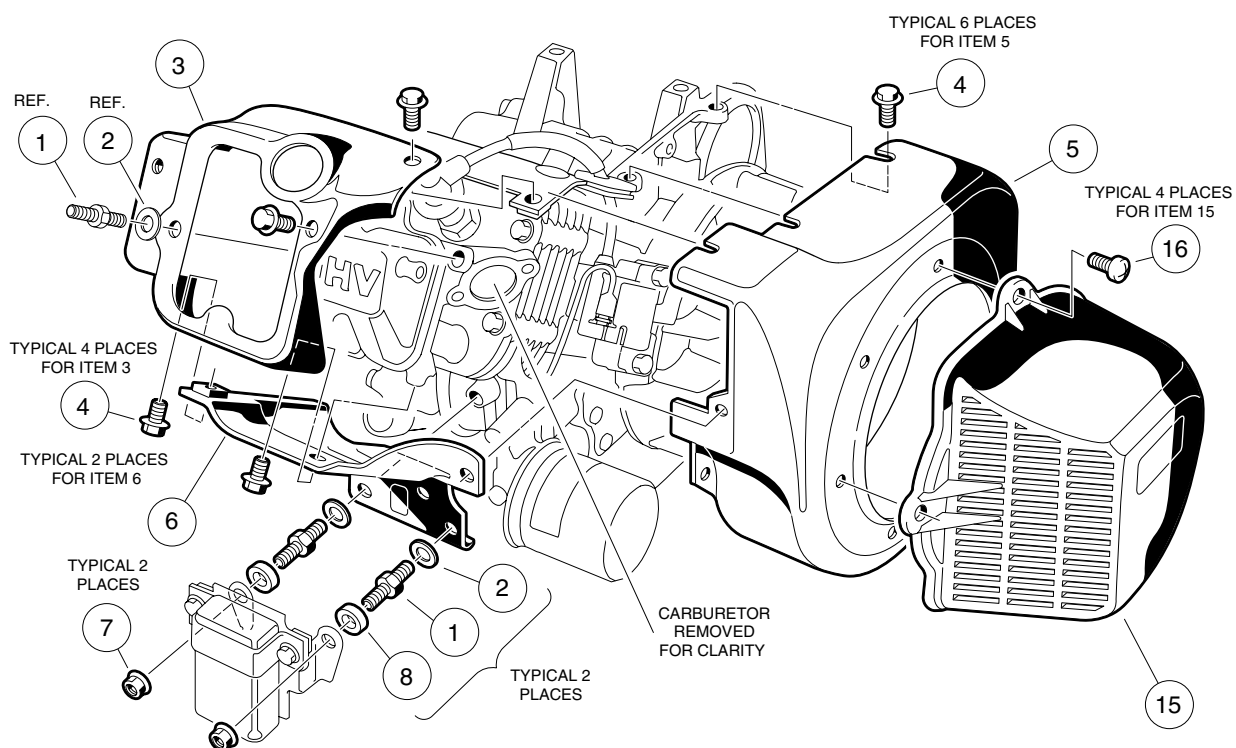


FE350 ENGINE – CRANKCASE AND CRANKSHAFT

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	<u>1017503</u>	Seal, Oil	1
2	<u>101916001</u>	Crankcase, FE350 (clockwise rotation)	1
3	<u>1017502</u>	Ring, Snap	2
4	<u>1017450</u>	Pin, Piston	1
5	<u>101744901</u>	Piston, Standard	1
5	<u>101744902</u>	Piston, .50 mm Oversized	1
6	<u>101745101</u>	Ring Set, Piston, Standard	1
6	<u>101745102</u>	Ring Set, Piston, .50 mm Oversized	1
7	<u>101745701</u>	Assembly, Connecting Rod, Standard (includes 2 each of item 8)	1
7	<u>101745702</u>	Assembly, Connecting Rod, .50 mm Undersized (includes 2 each of item 8)	1
8	<u>102272201</u>	Bolt, Hex-Head, M8 x 1.25 x 42 mm	2
9	<u>101922302</u>	Crankshaft, FE350 (left-hand threads) (for engines with serial numbers lower than 094171) (includes items 10 - 12 and one each of item 13)	1
9	<u>102430901</u>	Crankshaft, FE350 (left-hand threads) (for engines with serial numbers 094171 and greater (includes items 10 - 12 and one each of item 13)	1
10	<u>1016562</u>	Key	1
11	<u>1017484</u>	Gear, Helical (for engines with serial numbers lower than 094171)	1
11	<u>102271901</u>	Gear, Helical (22T) (for engines with serial numbers 094171 and greater)	1
12	<u>1017483</u>	Gear, Spur (for engines with serial numbers lower than 094171)	1
12	<u>102271801</u>	Gear, Spur (for engines with serial numbers 094171 and greater)	1
13	<u>1017471</u>	Rod, Connecting	2
14	<u>101773301</u>	Shim, Crankshaft, 1.18 mm Thick	A/R
14	<u>101773302</u>	Shim, Crankshaft, 1.25 mm Thick	A/R
14	<u>101773303</u>	Shim, Crankshaft, 1.32 mm Thick	A/R
14	<u>101773304</u>	Shim, Crankshaft, 1.39 mm Thick	A/R
14	<u>101773305</u>	Shim, Crankshaft, 1.46 mm Thick	A/R
14	<u>101773306</u>	Shim, Crankshaft, 1.53 mm Thick	A/R
14	<u>101773307</u>	Shim, Crankshaft, 1.60 mm Thick	A/R
14	<u>101773308</u>	Shim, Crankshaft, 1.67 mm Thick	A/R
14	<u>101773309</u>	Shim, Crankshaft, 1.74 mm Thick	A/R
14	<u>101773310</u>	Shim, Crankshaft, 1.11 mm Thick	A/R
14	<u>101773311</u>	Shim, Crankshaft, 1.81 mm Thick	A/R
15	<u>1017501</u>	Spacer	1
16	<u>1016541</u>	Bolt, Stud, M6 x 1 x 22 mm	4
17	<u>1016547</u>	Nut, Flanged, M6 x 1	4
18	<u>1016470</u>	Shaft, Guide Counterbalance	1
19	<u>1016571</u>	O-Ring	1
20	<u>1017453</u>	Weight, Counterbalance (includes item 21)	1
21	<u>1017510</u>	Bearing	1

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FE400 ENGINE

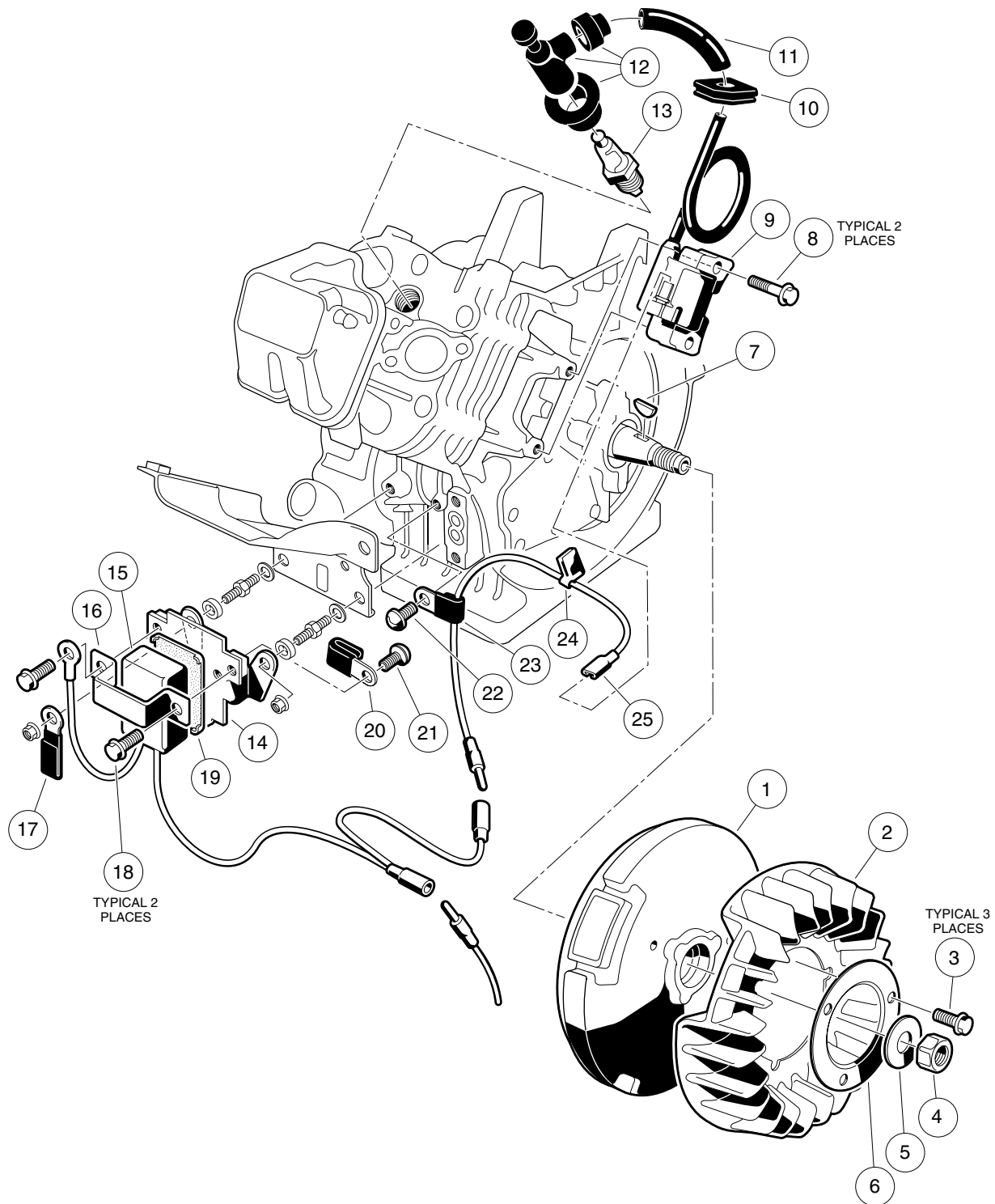


FE400 ENGINE – SHROUDS AND BRACKETS

ITEM	PART NO.	DESCRIPTION	QTY
	<u>102258701</u>	1 2 3 4 FE400 OHV Gasoline Engine, Complete (clockwise rotation) with automatic compression release (ACR) and Carburetor (does not include items 13 - 16)	1
1	<u>1016507</u>	Bolt, 2-Ended, M6 x 1 x 29 mm	3
2	N/A	Washer, Flat, 6 mm	3
3	<u>1017474</u>	Shroud, Cylinder Head	1
4	<u>1016456</u>	Bolt, Flanged, M6 x 1 x 12 mm	14
5	<u>102272001</u>	Housing, Fan	1
6	<u>1017476</u>	Shroud, Lower Cylinder	1
7	<u>1016547</u>	Nut, Flanged, M6 x 1	3
8	<u>1017500</u>	Spacer	2
9	<u>1017475</u>	Shroud, Upper Cylinder	1
10	<u>1016539</u>	O-Ring	1
11	<u>1017486</u>	Tube, Oil Filler	1
12	<u>1016531</u>	Dipstick	1
13	<u>101887601</u>	Nut, Nylon Lock, M6 x 1	1
14	<u>1015332</u>	Wire Assembly, #10 Braided Ground	1
15	<u>1015649</u>	Shroud, Fan	1
16	<u>1015969</u>	Screw, Pan-Head, M6 x 1 x 14 mm	4

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FE400 ENGINE

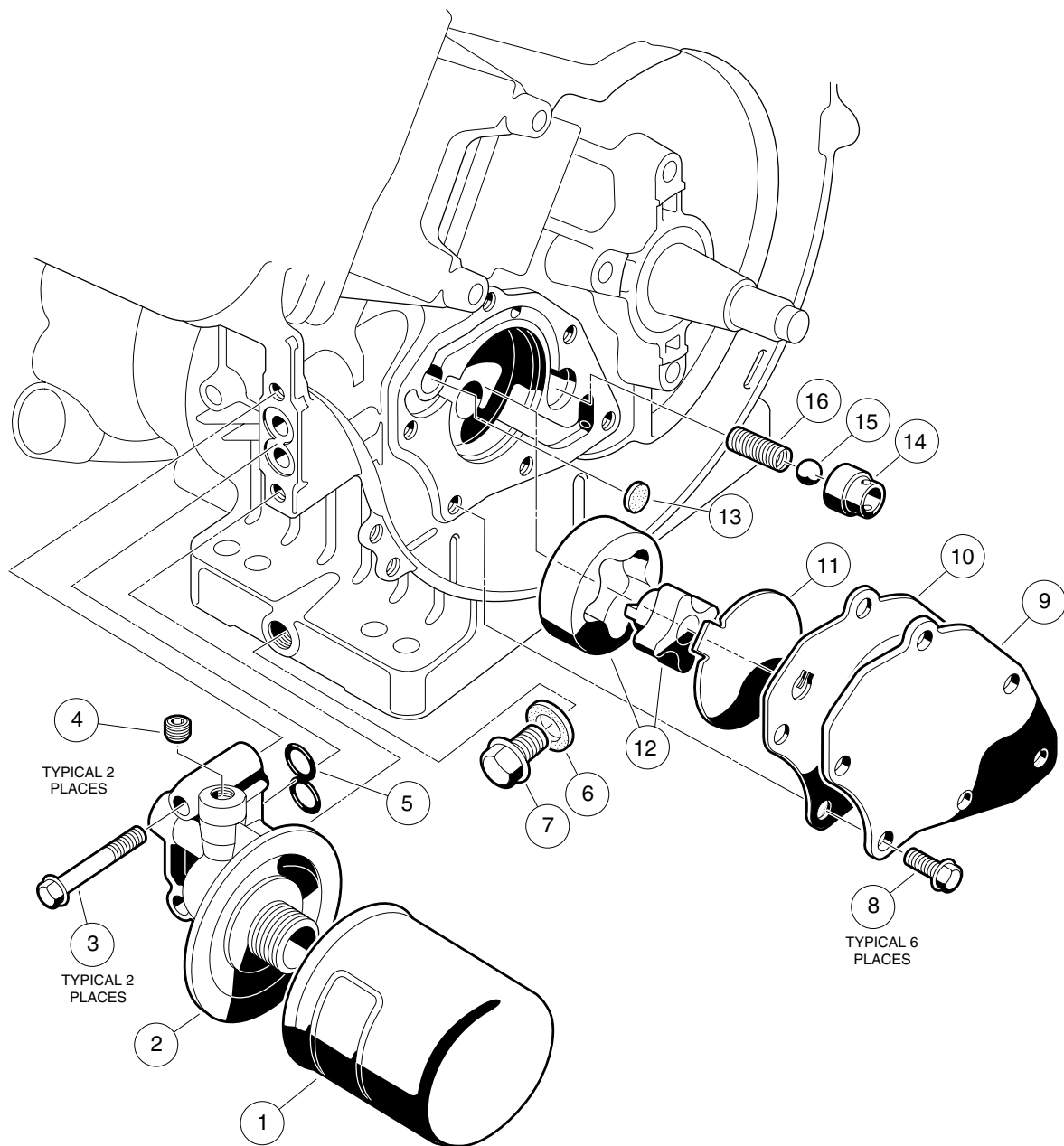


FE400 ENGINE – IGNITION COMPONENTS AND FLYWHEEL

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	<u>101916201</u>	Flywheel	1
2	<u>101916301</u>	Fan, Flywheel – Gray	1
3	<u>1017448</u>	Screw, Flanged Hex-Head, M6 x 1 x 10 mm	3
4	N/A	Nut, Hex, Fine, 18 mm	1
5	<u>1017490</u>	Washer, Flat, 18 mm	1
6	<u>1017455</u>	Plate, Flywheel Fan	1
7	<u>1016562</u>	Key	1
8	<u>1016455</u>	Screw, Hex-Head Flanged, M5 x 0.8 x 25 mm	2
9	<u>101909201</u>	Coil, Ignition (with internal igniter)	1
10	<u>1016578</u>	Grommet	1
11	<u>1016588</u>	Tube, 7 mm I.D. x 10 mm O.D. x 70 mm Long	1
12	<u>1017463</u>	Assembly, Plug Cap	1
13	<u>101881101</u>	Plug, Spark, OHV	1
14	1016445	Bracket, RPM Limiter	1
15	101909401	Limiter, RPM	1
16	<u>1016579</u>	Band, RPM Limiter Mount	1
17	<u>1012981</u>	Clamp	1
18	1016456	Screw, Flanged Hex-Head, M6 x 1 x 12 mm	2
19	1016586	Damper	1
20	101909501	Clamp	1
21	<u>1016497</u>	Screw, Cross Pan-Head, M5 x .8 x 8 mm	1
22	<u>1016544</u>	Screw, Cross Pan-Head Self-Tapping, M5 x 12 mm	1
23	<u>1016561</u>	Clamp	1
24	<u>1016587</u>	Clamp	1
25	<u>101909301</u>	Wire, Lead	1

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FE400 ENGINE

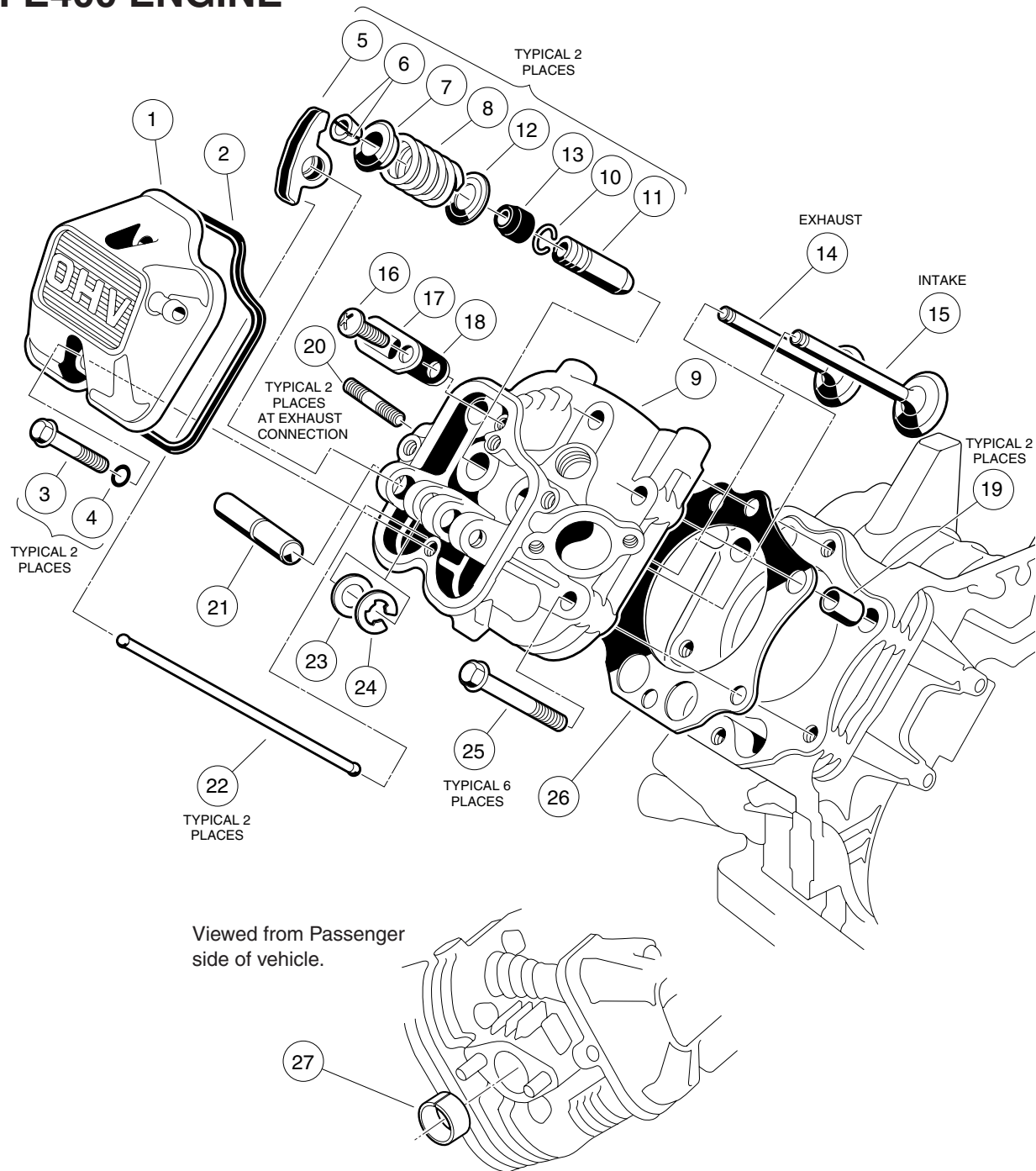


FE400 ENGINE – OIL CIRCULATION

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	<u>1016467</u>	Oil Filter	1
2	<u>1016502</u>	Bracket, Oil Filter	1
3	<u>1016457</u>	Bolt, Flanged Hex-Head, M6 x 1 x 40 mm	2
4	<u>1017507</u>	Plug	2
5	<u>1016570</u>	O-Ring, Oil Filter Mount	1
6	<u>1016432</u>	Gasket, Drain Plug	1
7	<u>1016576</u>	Plug, Drain	1
8	<u>1017456</u>	Screw, Flanged Hex-Head, M6 x 1 x 12 mm	6
9	<u>1017460</u>	Cover, Pump	1
10	<u>1017442</u>	Gasket, Oil Pump	1
11	<u>1016473</u>	Plate, Oil Pump	1
12	<u>101648203</u>	Pump, Oil and Rotor	1
13	<u>1017458</u>	Filter	1
14	<u>1016429</u>	Seat, Valve	1
15	<u>1016537</u>	Ball, Steel Pressure Relief	1
16	<u>1016581</u>	Spring	1

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FE400 ENGINE

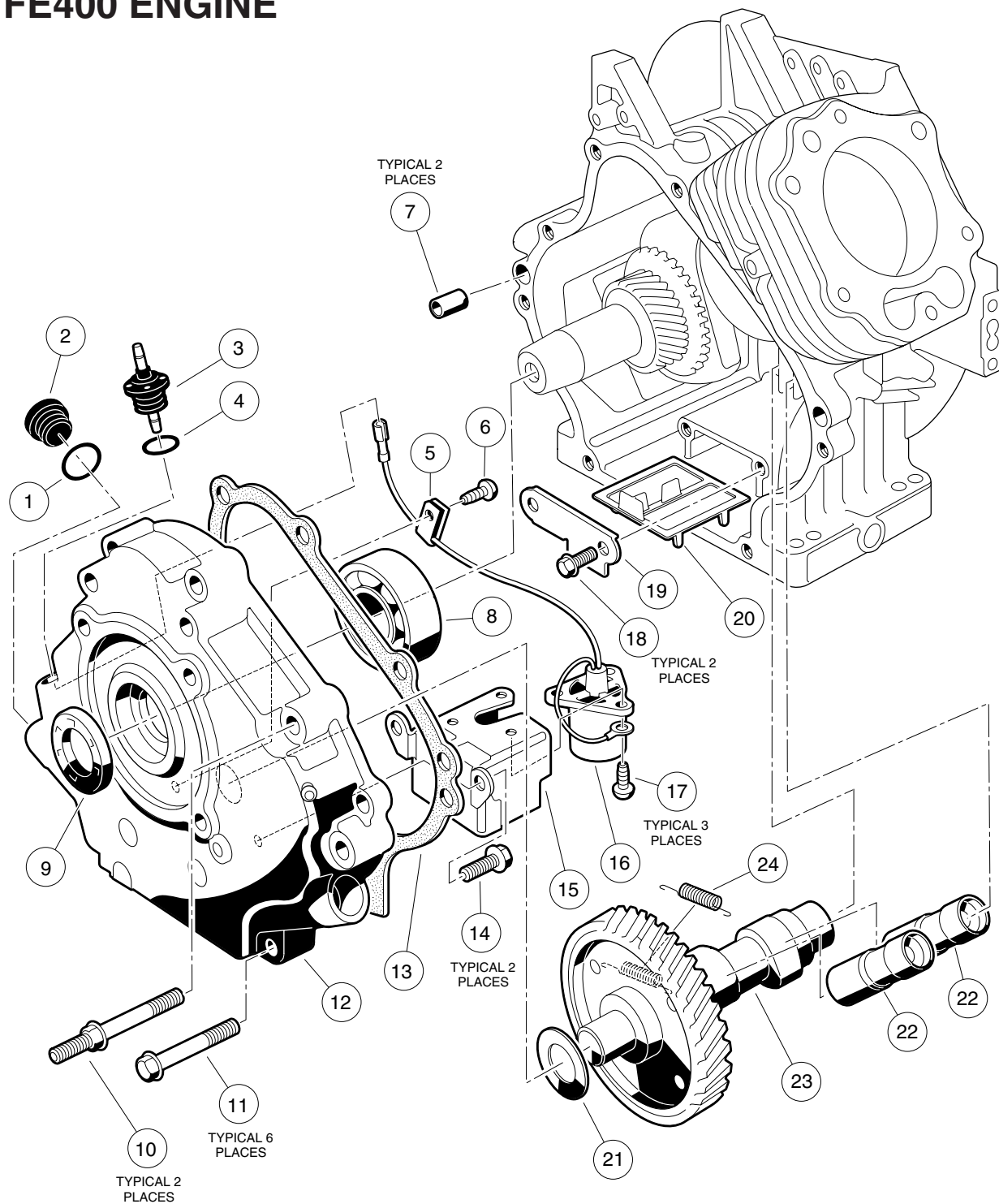


FE400 ENGINE – CYLINDER HEAD

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	<u>1016442</u>	Case, Rocker	1
2	<u>1016436</u>	Gasket, Rocker Case	1
3	<u>1016583</u>	Bolt, Flanged, M6 x 1 x 35 mm	2
4	<u>1016569</u>	O-Ring	2
5	<u>1017446</u>	Arm, Rocker	2
6	<u>1016450</u>	Collet	4
7	<u>1016449</u>	Retainer, Valve Spring	2
8	<u>1017473</u>	Spring, Engine Valve	2
9	<u>102270001</u>	Assembly, Cylinder Head, FE400 (includes items 10 and 11)	1
10	<u>1016560</u>	Ring, Snap	2
11	<u>1016519</u>	Guide, Valve	2
12	<u>1016479</u>	Seat, Spring	2
13	<u>1016566</u>	Seal, Valve	2
14	<u>1017445</u>	Valve, Exhaust	1
15	<u>1017444</u>	Valve, Intake	1
16	<u>1016544</u>	Screw, Cross Pan-Head Self-Tapping, M5 x .8 x 12 mm	1
17	<u>1016474</u>	Plate	1
18	<u>1016483</u>	Valve	1
19	<u>1016563</u>	Pin, Hollow	2
20	<u>1016489</u>	Bolt, Stud, M8 x 1.25 x 29 mm	2
21	<u>1016452</u>	Shaft, Rocker	1
22	<u>1017454</u>	Rod, Push	2
23	<u>1016549</u>	Washer, Flat, M12	1
24	<u>1016517</u>	Circlip, Type-E	1
25	<u>1016458</u>	Bolt, Flanged, M8 x 1.25 x 45 mm	6
26	<u>102269901</u>	Gasket, Head	1
27	<u>102271101</u>	Sleeve	1
28	<u>102304901</u>	Kit, Gasket, FE400 (contains one each of all internal gaskets for FE400 engine) (not shown)	1

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FE400 ENGINE

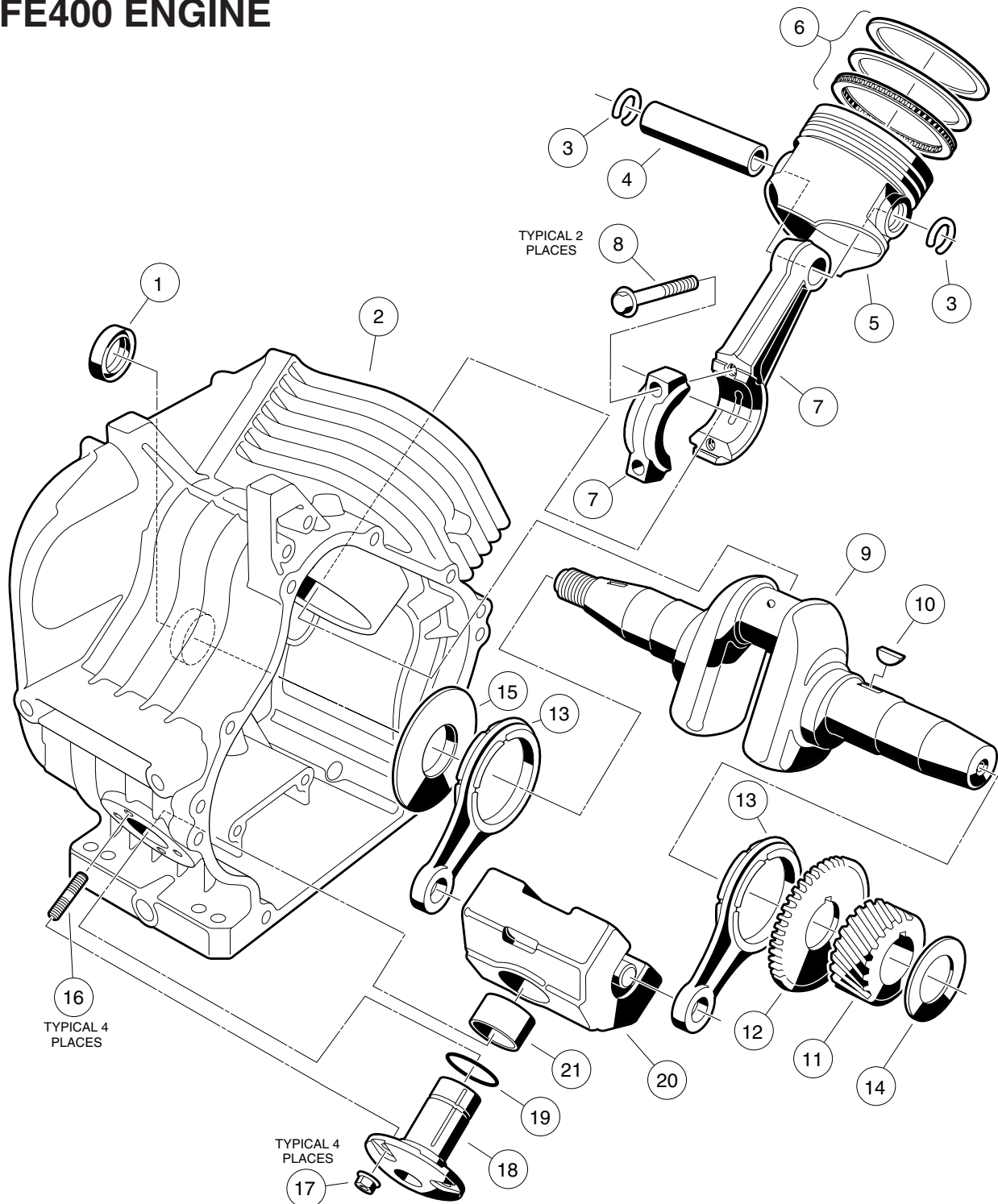


FE400 ENGINE – CRANKCASE, CAMSHAFT AND OIL SENSOR

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	<u>1016538</u>	O-Ring	1
2	<u>1017508</u>	Plug	1
3	<u>1016535</u>	Connector, Oil Sending Unit	1
4	<u>1016538</u>	O-Ring	1
5	<u>1016506</u>	Clamp	1
6	<u>1016544</u>	Screw, Cross Pan-Head Self-Tapping, M5 x .8 x 12 mm	1
7	<u>1016564</u>	Pin, Hollow	2
8	<u>1017487</u>	Bearing, Crankshaft	1
9	<u>102272101</u>	Seal, Crankshaft	1
10	<u>1016584</u>	Bolt, 2-Ended Flanged, M8 x 1.25 x 69 mm	2
11	<u>1017514</u>	Bolt, Flanged, M8 x 1.25 x 45 mm	6
12	<u>102271401</u>	Cover, Crankcase	1
13	<u>1017443</u>	Gasket, Crankcase Cover	1
14	<u>102272301</u>	Bolt, Flanged	2
15	<u>102271201</u>	Bracket, Oil Level Switch	1
16	<u>1016494</u>	Sensor, Oil Level	1
17	<u>1016496</u>	Screw, Cross Pan-Head, M4 x .7 x 8 mm	3
18	<u>1016454</u>	Bolt, Flanged, M5 x .8 x 8 mm	2
19	<u>1016472</u>	Plate, Oil Filter Screen	1
20	<u>1016521</u>	Screen, Oil Filter	1
21	<u>101751801</u>	Shim, 0.3 mm Thick	A/R
21	<u>101751802</u>	Shim, 0.4 mm Thick	A/R
21	<u>101751803</u>	Shim, 0.5 mm Thick	A/R
22	<u>1017447</u>	Lifter, Hydraulic	2
23	<u>102271601</u>	Camshaft, FE350/FE400 (with automatic compression release) (includes item 24)	1
24	<u>1017511</u>	Spring	1
25	<u>102304901</u>	Kit, Gasket, FE400 (contains one each of all internal gaskets for FE400 engine) (not shown)	1

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FE400 ENGINE



FE400 ENGINE – CRANKCASE AND CRANKSHAFT

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	<u>1017503</u>	Seal, Oil	1
2	<u>102271501</u>	Crankcase, FE400 (clockwise rotation)	1
3	<u>1017502</u>	Ring, Snap	2
4	<u>1017450</u>	Pin, Piston	1
5	<u>102270201</u>	Piston, Standard	1
6	<u>102270301</u>	Ring Set, Piston, Standard	1
7	<u>101745701</u>	Assembly, Connecting Rod, Standard (includes 2 each of item 8)	1
7	<u>101745702</u>	Assembly, Connecting Rod, .50 mm Undersized (includes 2 each of item 8)	1
8	<u>102272201</u>	Bolt, Hex-Head, M8 x 1.25 x 42 mm	2
9	<u>102270401</u>	Crankshaft, FE400 (left-hand threads) (includes items 10 - 12 and one each of item 13)	1
10	<u>1016562</u>	Key	1
11	<u>102271901</u>	Gear, Helical (22T)	1
12	<u>102271801</u>	Gear, Spur	1
13	<u>1017471</u>	Rod, Connecting	2
14	<u>101773301</u>	Shim, Crankshaft, 1.18 mm Thick	A/R
14	<u>101773302</u>	Shim, Crankshaft, 1.25 mm Thick	A/R
14	<u>101773303</u>	Shim, Crankshaft, 1.32 mm Thick	A/R
14	<u>101773304</u>	Shim, Crankshaft, 1.39 mm Thick	A/R
14	<u>101773305</u>	Shim, Crankshaft, 1.46 mm Thick	A/R
14	<u>101773306</u>	Shim, Crankshaft, 1.53 mm Thick	A/R
14	<u>101773307</u>	Shim, Crankshaft, 1.60 mm Thick	A/R
14	<u>101773308</u>	Shim, Crankshaft, 1.67 mm Thick	A/R
14	<u>101773309</u>	Shim, Crankshaft, 1.74 mm Thick	A/R
14	<u>101773310</u>	Shim, Crankshaft, 1.11 mm Thick	A/R
14	<u>101773311</u>	Shim, Crankshaft, 1.81 mm Thick	A/R
15	<u>1017501</u>	Spacer	1
16	<u>1016541</u>	Bolt, Stud, M6 x 1 x 22 mm	4
17	<u>1016547</u>	Nut, Flanged, M6 x 1	4
18	<u>1016470</u>	Shaft, Guide Counterbalance	1
19	<u>1016571</u>	O-Ring	1
20	<u>102270501</u>	Weight, Counterbalance (includes item 21)	1
21	<u>1017510</u>	Bearing	1

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ENGINE MOUNTING

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	1012164	Snubber	1
2	1013924	Nut, Hex Lock, UNF, 5/16-24	10
3	101834601	Bracket, Snubber	1
4	101827101	Plate, Mounting	1
5	101833001	Nut, Flanged, M8 x 1.25	6
6	101884801	Screw, Hex Washer, 5/16-24 x 7/8	10
7	101833301	Screw, Hex-Head Cap, M10 x 1.25 x 30 mm	4
8	101833101	Stud, M8 x 1.25 x 50 mm	2
9	101832101	Washer, Flat, 5/16	2
10	101832901	Nut, Flanged, M10 x 1.25	4
11	1012571	Washer, Heavy Flat, 5/16	4
12	101855901	Screw, Hex-Head Cap, M8 x 1.25 x 43 mm	4
13	101832701	Stiffener, Flywheel Side	1
14	101832601	Stiffener, PTO Side	1

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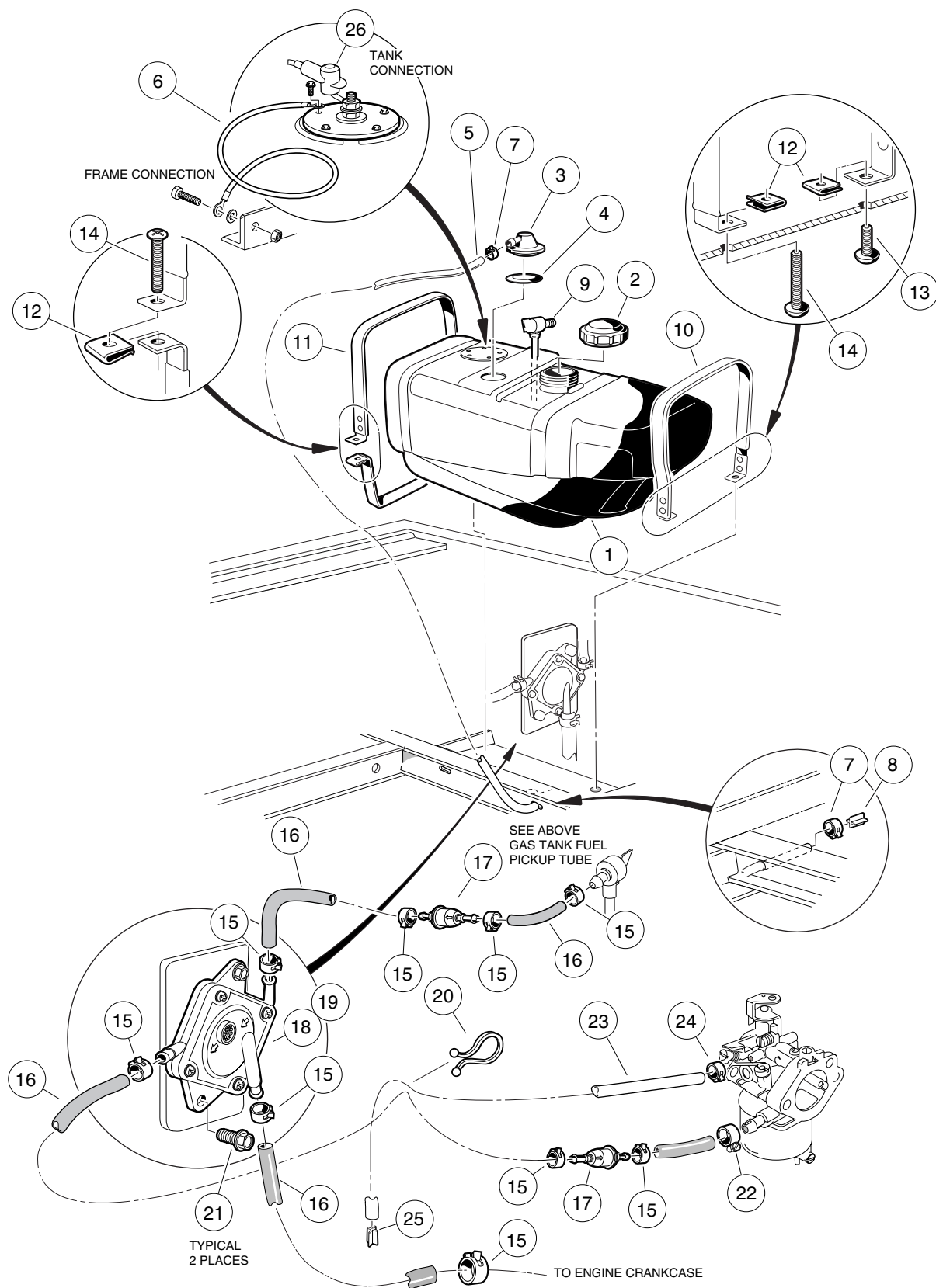
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FUEL, INTAKE, AND GOVERNOR SYSTEMS

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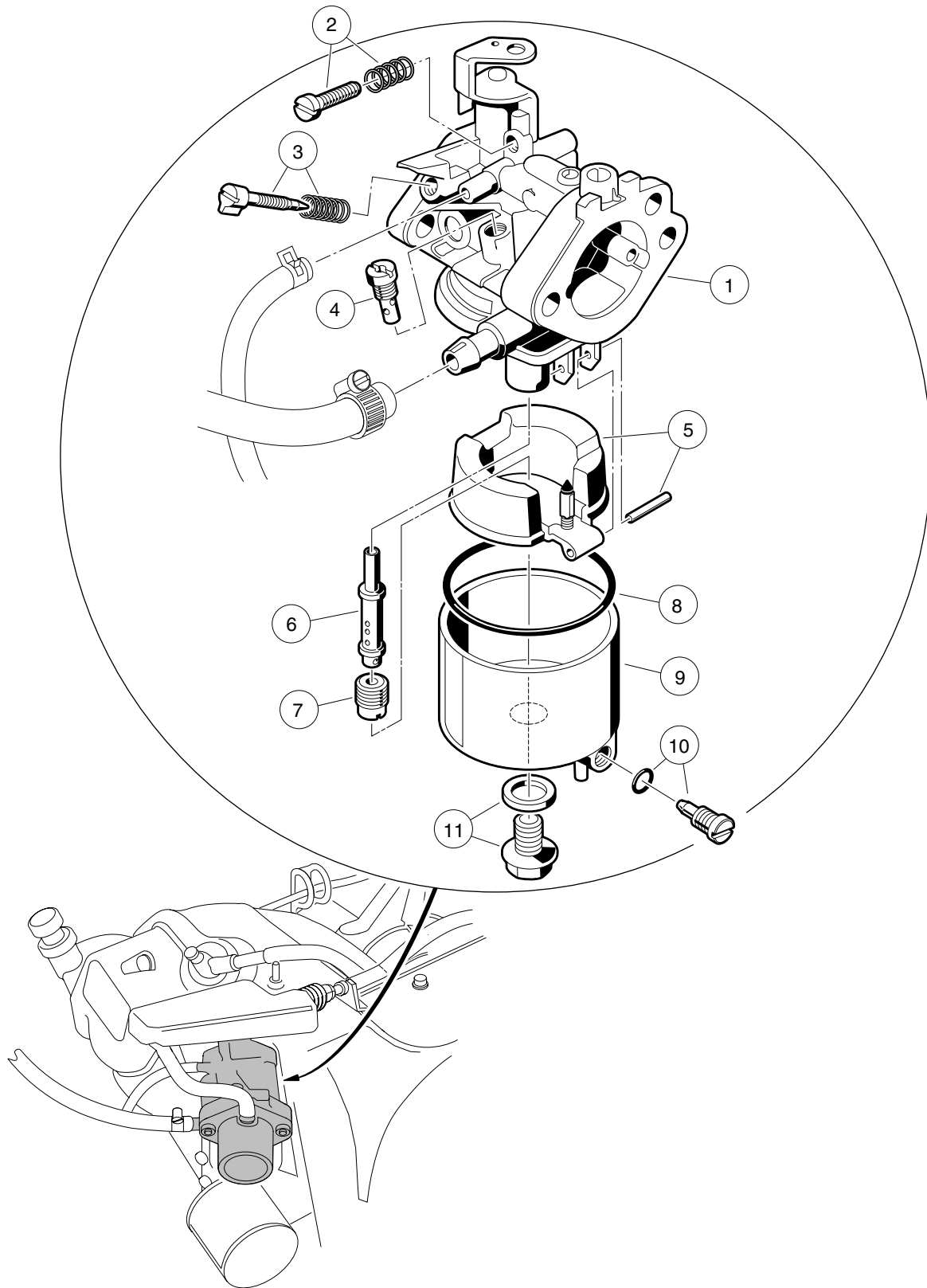


FUEL SYSTEM

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	1016004	Kit, Fuel Tank, with Sending Unit (includes items 2 - 9)	1
2	<u>1015188</u>	Cap, Fuel Tank, Nonvented	1
3	<u>1015143</u>	Vent, Fuel Tank	1
4	<u>1015139</u>	Grommet, Insulation	1
5	<u>1015137</u>	Line, Bulk Vent (available by the foot)	A/R
6	N/A	Wire Assembly, #16 Black	1
7	<u>1013746</u>	Clamp, Hose – Gray	2
8	<u>101824401</u>	Barb, Vent	1
9	101896901	Valve, Fuel Pickup Tube with Shut-Off	1
10	<u>1014928</u>	Fuel Strap, Rear	1
11	<u>101955301</u>	Fuel Strap, Front	1
12	<u>1014116</u>	Nut, U-Type Speed, 1/4-20	3
13	<u>8248</u>	Screw, Phillips Truss-Head, 1/4-20 x 3/4	1
14	<u>1011988</u>	Screw, Phillips Truss-Head, 1/4-20 x 2	2
15	<u>1012649</u>	Clamp, Hose – Red	9
16	<u>1013692</u>	Line, Bulk Fuel (gray) (available by the foot*)	A/R
17	<u>102003201</u>	Filter, Fuel	2
18	<u>1014523</u>	Pump, Fuel Impulse	1
19	<u>1014524</u>	Kit, Rebuild, Fuel Impulse Pump	A/R
20	<u>101987701</u>	Clamp, Plastic	1
21	<u>1012285</u>	Screw, Thread-Rolling, 1/4-20 x 5/8	2
22	<u>1013687</u>	Clamp, Hose (screw type)	1
23	<u>1015137</u>	Line, Bulk Vent (available by the foot)	A/R
24	<u>1013746</u>	Clamp, Hose – Gray	1
25	<u>101824401</u>	Barb, Vent	1
26	102048501	Boot, Rubber	1
* The total fuel line length for the Pioneer 1200 is 34-1/2 inches (87.6 cm).			

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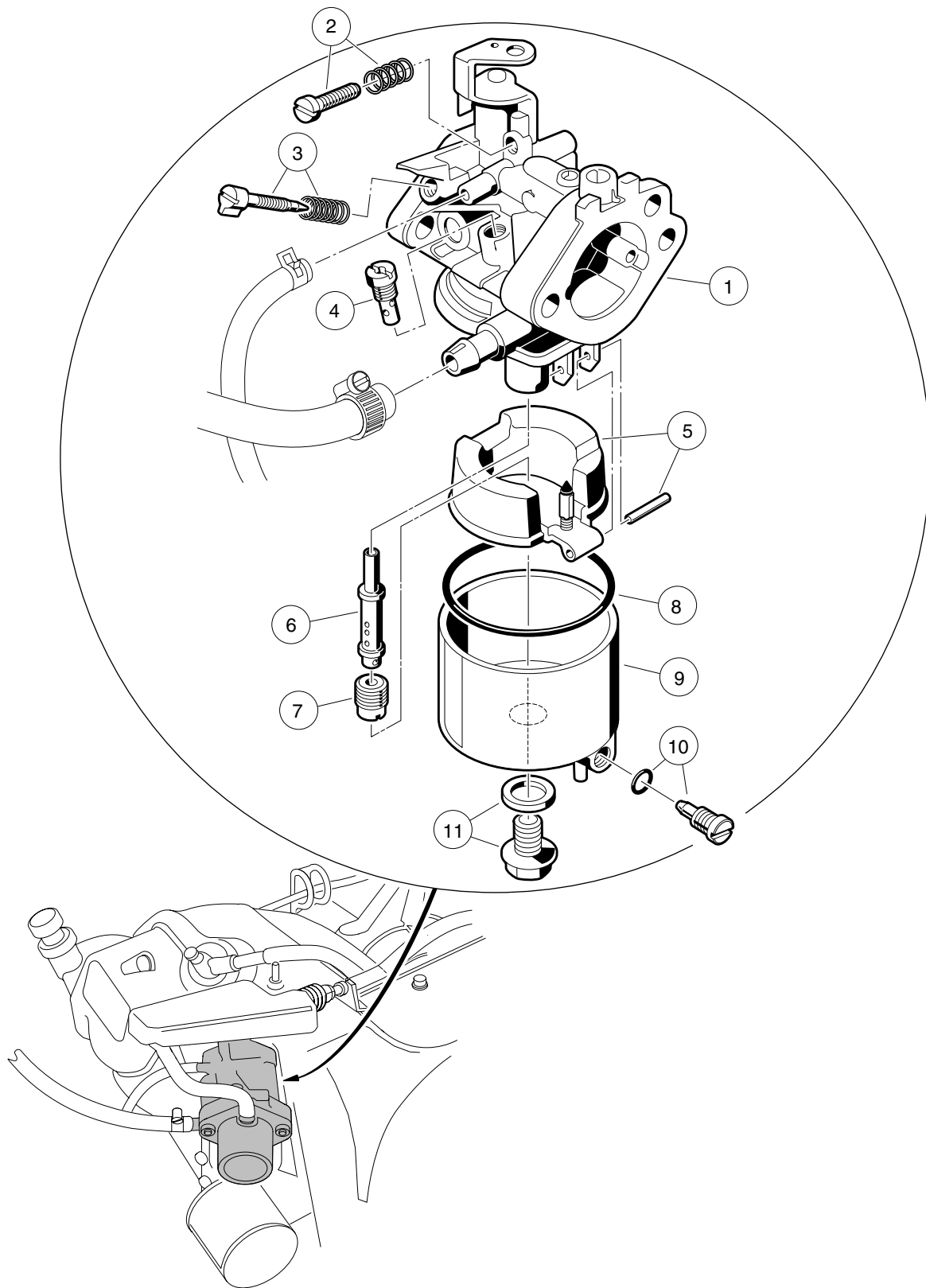


CARBURETOR ASSEMBLY, FE350 ENGINE

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	<u>101905901</u>	Assembly, Carburetor (FE350 engine) (includes items 2 - 11)	1
2	<u>1016501</u>	Assembly, Idle Screw	1
3	N/A	Assembly, Pilot Air Screw	1
4	<u>101973101</u>	Jet, Pilot, #40	1
5	1016486	Assembly, Float	1
6	<u>101973301</u>	Nozzle, Main (FE350 engine)	1
		Standard Jetting:	
7	<u>101642585</u>	Jet, Main, 0 - 3,000 Feet (0-914.4 m)	1
7	<u>101642582</u>	Jet, Main, 3,000 - 5,000 Feet (914.4-1524 m)	A/R
7	<u>101642580</u>	Jet, Main, 5,000 - 8,000 Feet (1524-2438.4 m)	A/R
7	<u>101642578</u>	Jet, Main, 8,000 - 10,000 Feet (2438.4-3048 m)	A/R
7	<u>101642575</u>	Jet, Main, 10,000 Feet and Above (3048 m and above)	A/R
8	<u>1016437</u>	Gasket, Float Chamber	1
9	<u>1017461</u>	Assembly, Float Chamber (includes item 10)	1
10	<u>1016499</u>	Assembly, Screw	1
11	1016585	Assembly, Bolt	1

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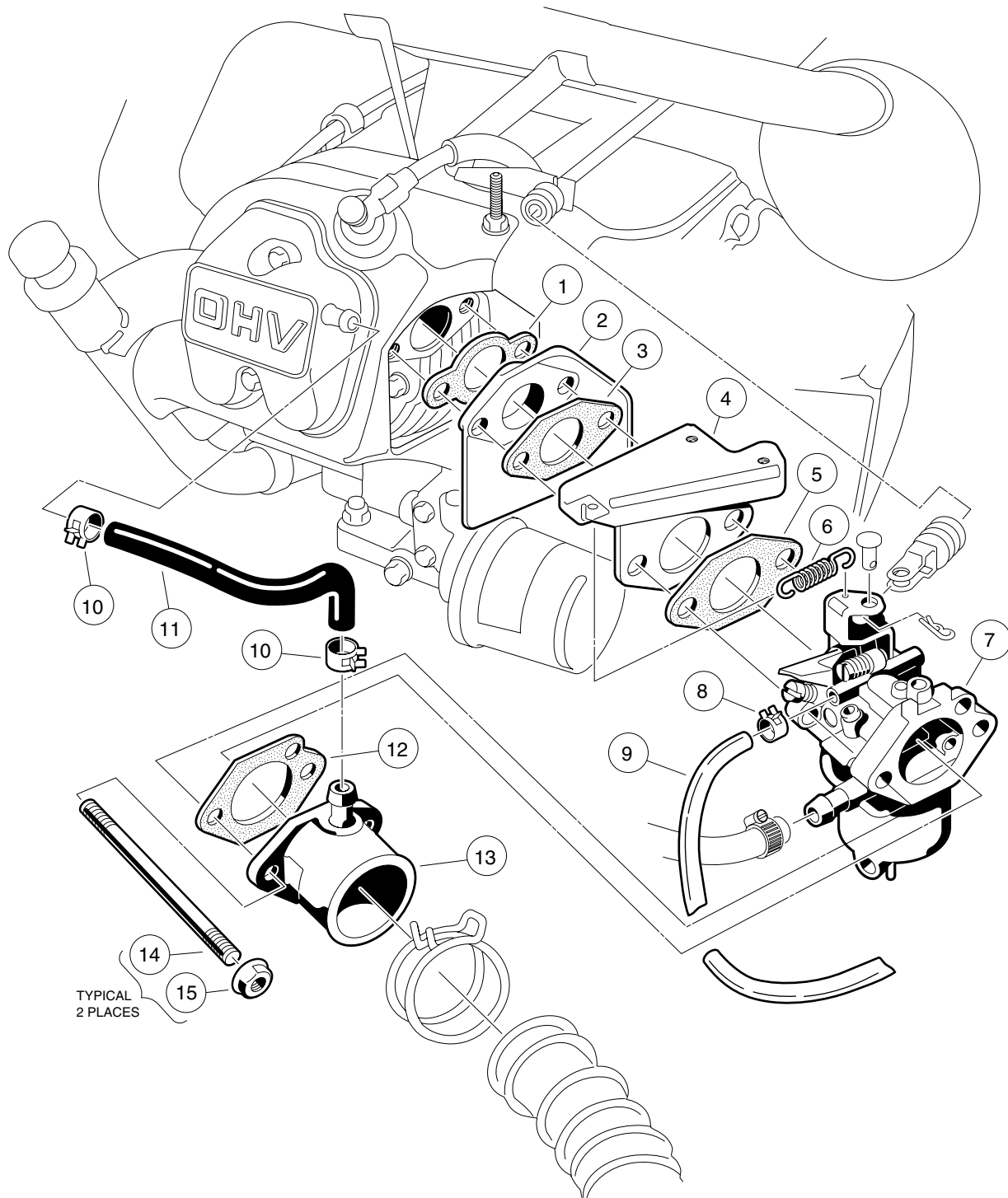


CARBURETOR ASSEMBLY, FE400 ENGINE

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	<u>102270701</u>	Assembly, Carburetor (FE400 engine) (includes items 2 - 11)	1
2	<u>1016501</u>	Assembly, Idle Screw	1
3	N/A	Assembly, Pilot Air Screw	1
4	<u>1016574</u>	Jet, Pilot, #45	1
5	<u>1016486</u>	Assembly, Float	1
6	<u>102271701</u>	Nozzle, Main (FE400 engine)	1
		Standard Jetting:	
7	<u>101642588</u>	Jet, Main, 0 - 3,280 Feet (0-1000 m)	1
7	<u>101642585</u>	Jet, Main, 3,280 - 6,562 Feet (1000-2000 m)	A/R
7	<u>101642582</u>	Jet, Main, 6,562 Feet and Above (2000 m and above)	A/R
8	<u>1016437</u>	Gasket, Float Chamber	1
9	<u>1017461</u>	Assembly, Float Chamber (includes item 10)	1
10	<u>1016499</u>	Assembly, Screw	1
11	<u>1016585</u>	Assembly, Bolt	1

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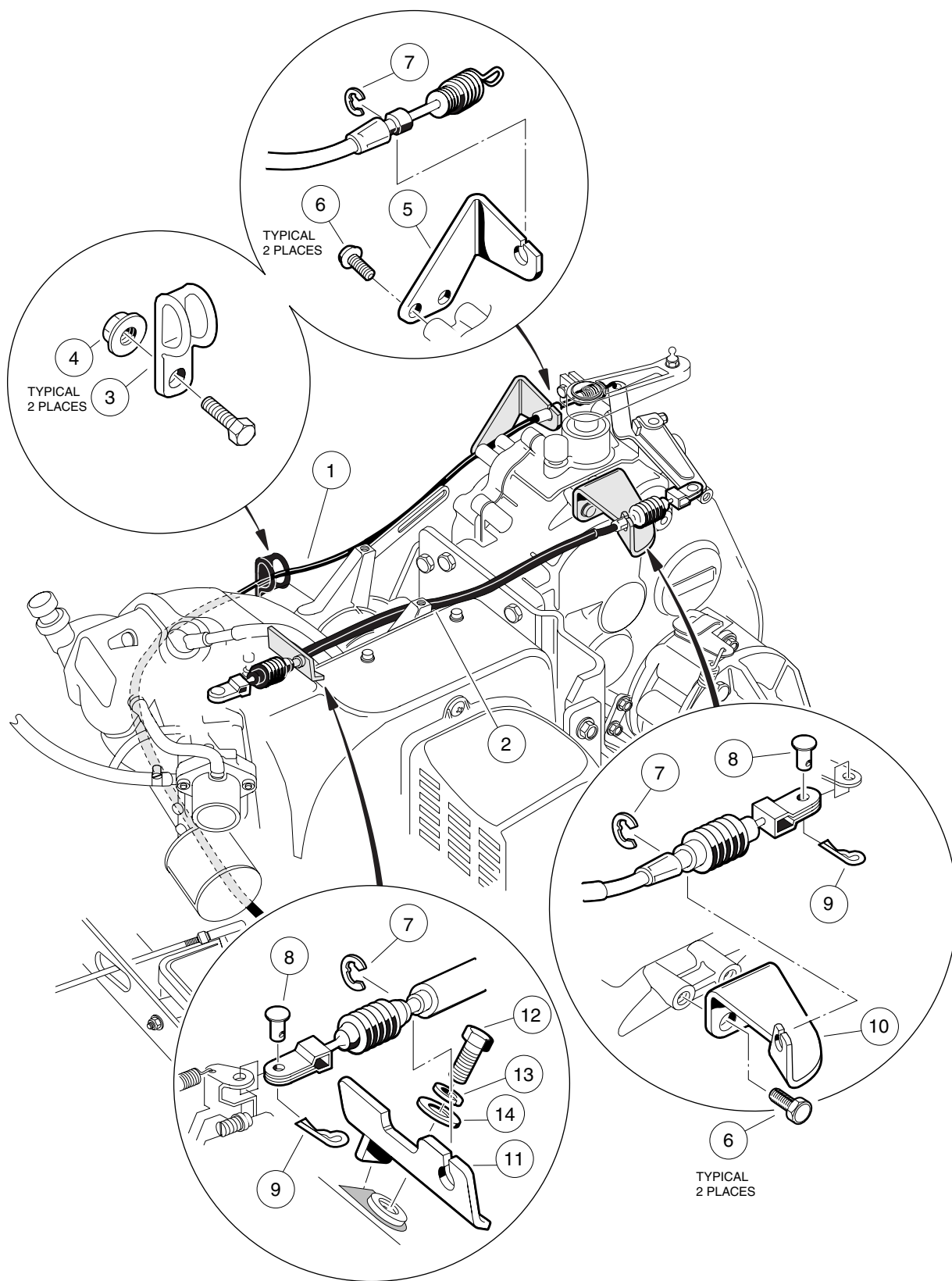


CARBURETOR INSTALLATION

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	<u>1016440</u>	Gasket, Insulator	1
2	<u>101648102</u>	Insulator, Carburetor	1
3	<u>101973401</u>	Gasket, Carburetor Insulator to Throttle Bracket	1
4	<u>1016444</u>	Bracket, Throttle	1
5	<u>1016441</u>	Gasket, Throttle Bracket to Carburetor	1
6	<u>1016582</u>	Spring, Throttle Return	1
7	<u>101905901</u>	Assembly, Carburetor (FE350 engine)	1
7	<u>102270701</u>	Assembly, Carburetor (FE400 engine)	1
8	<u>1013746</u>	Clamp, Hose – Gray	1
9	<u>1015137</u>	Line, Bulk Vent	A/R
10	<u>1017466</u>	Clamp, Hose – Bronze	2
11	<u>1016572</u>	Tube, Crankcase Vent	1
12	<u>1016438</u>	Gasket, Carburetor to Intake Manifold	1
13	<u>1016480</u>	Pipe, Intake	1
14	<u>101649002</u>	Screw, 2-Ended Stud, M6 x 1 x 90 mm	2
15	<u>1016547</u>	Nut, Flanged, M6 x 1	2

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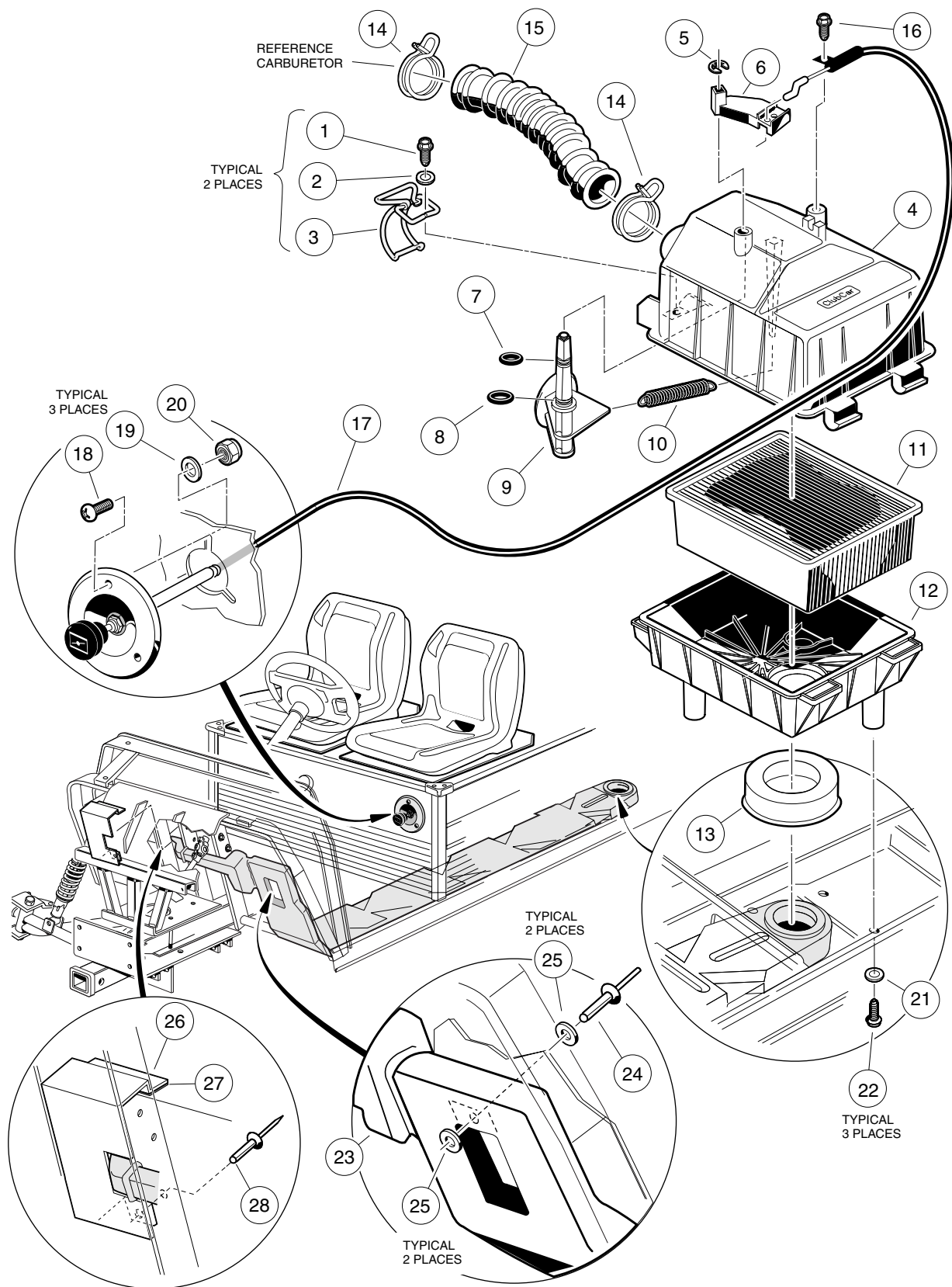


GOVERNOR AND ACCELERATOR CABLES

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	<u>101832501</u>	Cable, Accelerator (FE350 engine) – Black	1
1	<u>102278401</u>	Cable, Accelerator (FE400 engine) – Gray	1
2	<u>101832402</u>	Cable, Governor	1
3	<u>1013700</u>	Clamp, Cable Retaining	2
4	<u>1016546</u>	Nut, Flanged Hex, M8 x 1.25	2
5	<u>101832301</u>	Bracket, Accelerator Support	1
6	<u>1012285</u>	Screw, Thread-Rolling, 1/4-20 x 5/8	4
7	<u>1016202</u>	E-Ring	3
8	<u>1015408</u>	Pin, Governor Cable Clevis	2
9	<u>1014413</u>	Pin, Hair Spring Cotter, 1/8 I.D. x 5/8	2
10	<u>101832201</u>	Bracket, Support	1
11	<u>1015845</u>	Bracket, Governor Cable Engine	1
12	<u>1012830</u>	Screw, Hex-Head Cap, M8 x 1.25 x 22 mm	1
13	<u>7174</u>	Washer, Lock, 5/16	1
14	<u>1015075</u>	Washer, Flat, 5/16	1

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INTAKE DUCT, CHOKE, AND AIR BOX ASSEMBLY

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
	<u>101821501</u>	Assembly, Air Box (includes items 1 - 13)	1
1	<u>101804301</u>	Screw, Hex-Head Hi-Lo, #8 x 1/2	2
2	<u>101881701</u>	Washer, Stainless Steel, #8	2
3	<u>101925701</u>	Latch, Wire	2
4	<u>101972801</u>	Assembly, Air Box Top (includes items 5 - 10)	1
5	<u>101813001</u>	E-Clip	1
6	<u>101917601</u>	Lever, Choke	1
7	N/A	O-Ring, 5/16 – Red	1
8	N/A	O-Ring, 3/8 – Green	1
9	N/A	Valve, Choke	1
10	<u>101812301</u>	Spring, Return	1
11	<u>1015426</u>	Filter, Air	1
12	<u>101811901</u>	Bottom, Air Box	1
13	<u>101921501</u>	Seal, Intake	1
14	<u>101971301</u>	Clamp, Hose (air intake)	2
15	<u>101837101</u>	Hose, Intake	1
16	<u>101804301</u>	Screw, Hex-Head Hi-Lo, #8 x 1/2	1
17	<u>101926801</u>	Cable, Choke	1
18	<u>1631</u>	Screw, Pan-Head, #10-24 x 3/4	3
19	<u>183</u>	Washer, Flat, Type A, #10	3
20	<u>1012438</u>	Nut, Nylon Lock, #10-24	3
21	<u>332</u>	Washer, Flat, Type A, 1/4	3
22	<u>1015752</u>	Screw, Hi-Lo, #12-16 x 5/8	3
23	<u>101958102</u>	Duct, Air	1
24	<u>1606</u>	Rivet, Pop, 3/16	2
25	<u>183</u>	Washer, Flat, Type A, #10	4
26	<u>102195201</u>	Shield, Air Duct (includes item 27)	1
27	N/A	Tape, VHB 4950, 4-1/2 inches	1
28	<u>7973</u>	Rivet, Pop, 3/16	1
	<u>101971001</u>	Air Duct Repair Kit (not shown)	A/R

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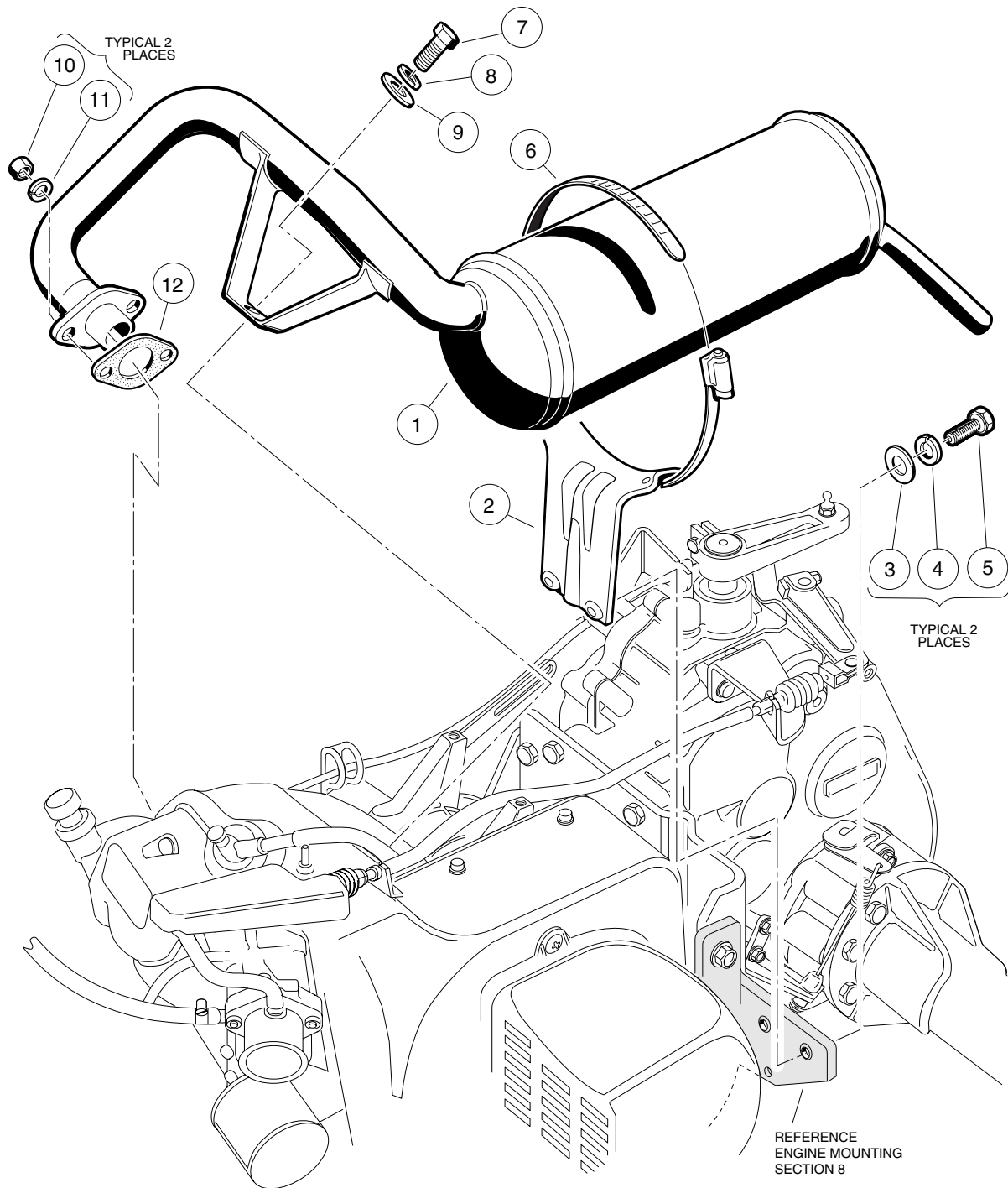
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EXHAUST SYSTEM

10

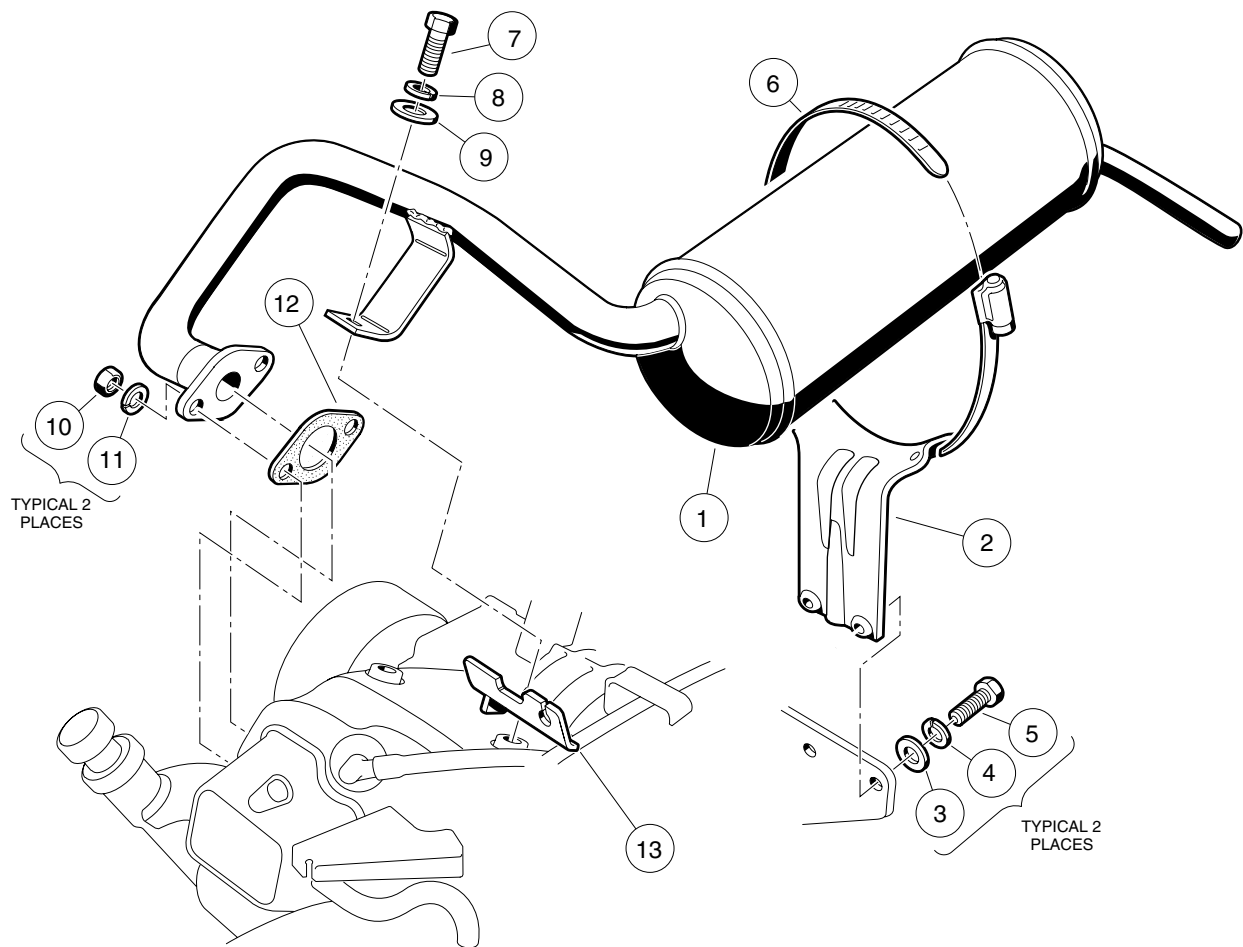
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EXHAUST SYSTEM, FE350 ENGINE

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	<u>101859401</u>	System, Exhaust (FE350 engine)	1
2	<u>1015814</u>	Bracket, Muffler Mounting	1
3	<u>332</u>	Washer, Flat, Type A, 1/4	2
4	<u>451</u>	Washer, Lock, 1/4	2
5	<u>7847</u>	Screw, Hex-Head, 1/4-20 x 3/4	2
6	<u>1017689</u>	Clamp, Muffler	1
7	<u>1012830</u>	Screw, Hex-Head Cap, M8 x 1.25 x 22 mm	1
8	<u>7174</u>	Washer, Lock, 5/16	1
9	<u>1015075</u>	Washer, Flat, 5/16	1
10	<u>1012528</u>	Nut, Hex, M8 x 1.25	2
11	<u>1013734</u>	Washer, Lock, 8 mm	2
12	<u>102270101</u>	Gasket, Exhaust	1

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EXHAUST SYSTEM, FE400 ENGINE

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	<u>102257201</u>	System, Exhaust (FE400 engine)	1
2	<u>1015814</u>	Bracket, Muffler Mounting	1
3	<u>332</u>	Washer, Flat, Type A, 1/4	2
4	<u>451</u>	Washer, Lock, 1/4	2
5	<u>7847</u>	Screw, Hex-Head, 1/4-20 x 3/4	2
6	<u>1017689</u>	Clamp, Muffler	1
7	<u>1012830</u>	Screw, Hex-Head Cap, M8 x 1.25 x 22 mm	1
8	<u>7174</u>	Washer, Lock, 5/16	1
9	<u>1015075</u>	Washer, Flat, 5/16	1
10	<u>1012528</u>	Nut, Hex, M8 x 1.25	2
11	<u>1013734</u>	Washer, Lock, 8 mm	2
12	<u>102270101</u>	Gasket, Exhaust	1
13	<u>1015845</u>	Bracket, Governor Cable Engine	1

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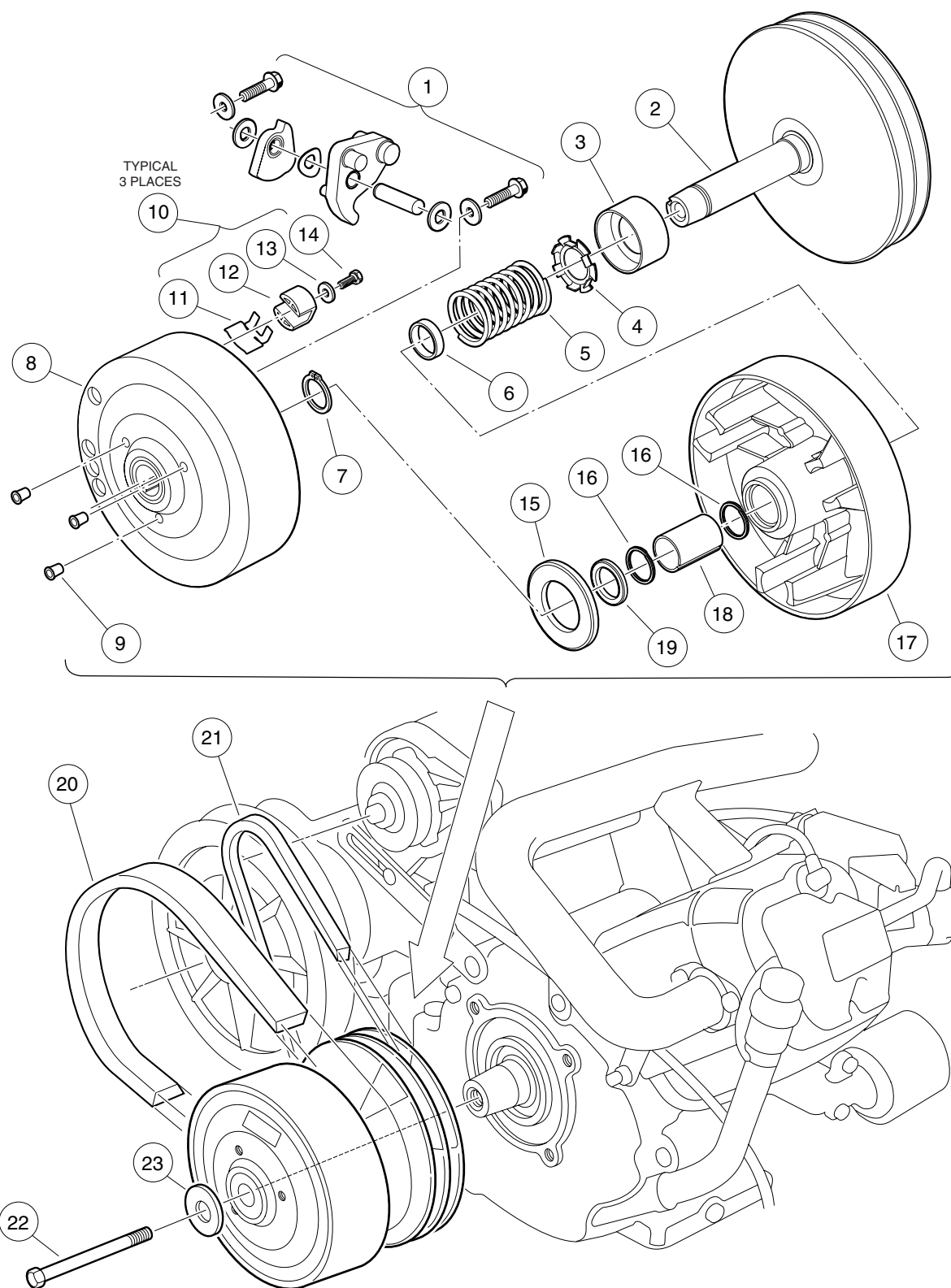
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TORQUE CONVERTER

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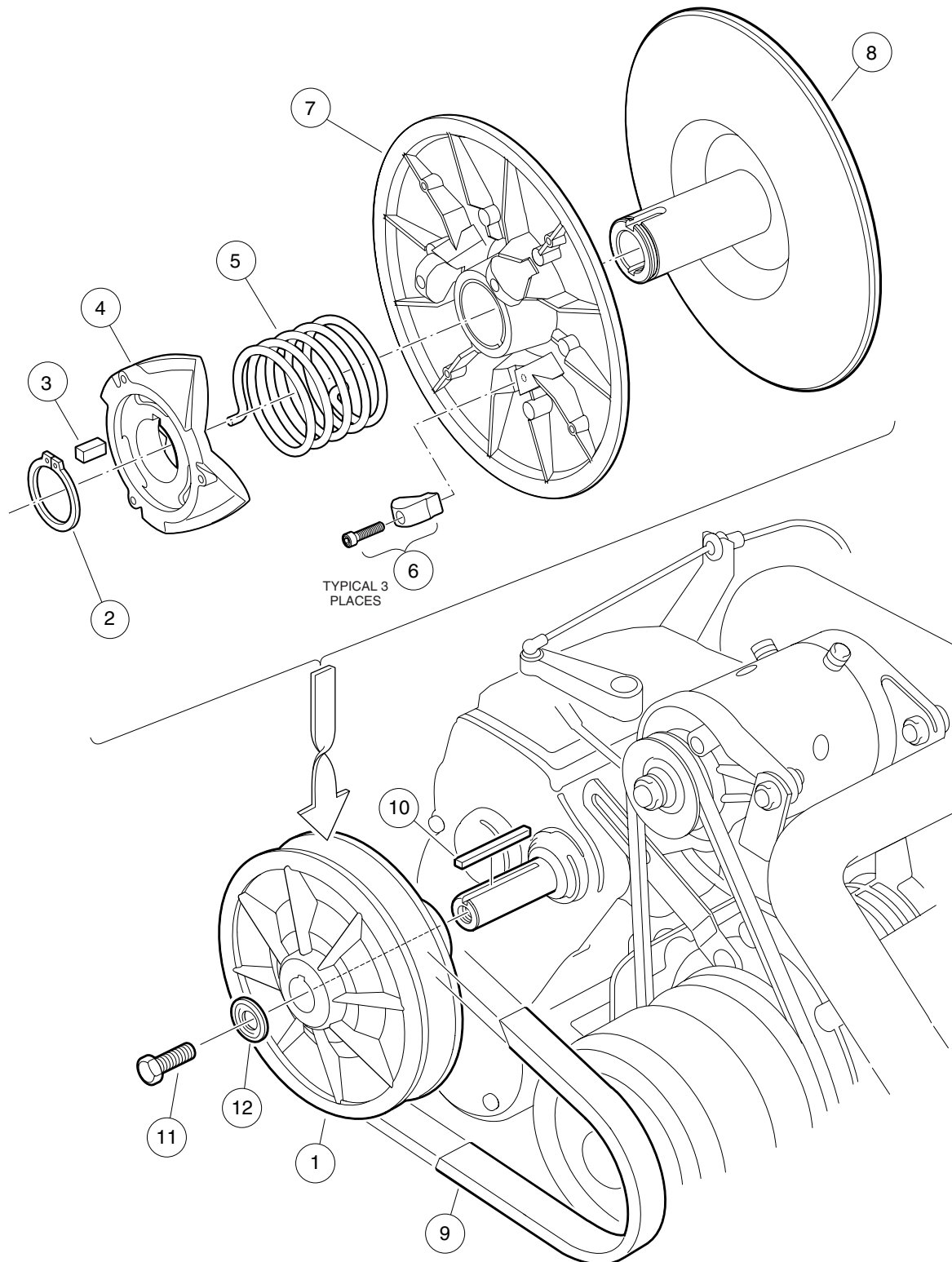
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DRIVE CLUTCH

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
	<u>101833904</u>	Assembly, Drive Clutch (FE350 engine) (includes items 1 - 15)	1
	<u>101833908</u>	Assembly, Drive Clutch (FE400 engine) (includes items 1 - 15)	1
1	<u>1016801</u>	Kit, Drive Clutch Weight	1
2	<u>101738301</u>	Assembly, Fixed Face	1
3	1014049	Bearing, Idler	1
4	<u>1014050</u>	Retainer, Spring	1
5	<u>1016901</u>	Spring, Drive Clutch – Green (used in <u>101833904</u> only)	1
5	<u>102266201</u>	Spring, Drive Clutch – Red (used in <u>101833908</u> only)	1
6	<u>1016289</u>	Spacer, Fixed Face Shaft	1
7	<u>1014057</u>	Ring, Retaining	1
8	1014059	Assembly, Drive Hub	1
9	N/A	Plug, Drive Clutch	3
10	<u>1014453</u>	Kit, Drive Clutch Button (includes three each of the spring, screw, washer, and button)	1
11	1014058	Washer, Thrust	1
12	<u>1014056</u>	Ring, Spiral Back-Up	2
13	1014052	Assembly, Moveable Face (includes items 14 and 15)	1
14	N/A	Bushing	1
15	<u>1014055</u>	Retainer	1
16	<u>102267101</u>	Belt, Drive (FE350 and FE400)	1
17	<u>101916701</u>	Belt, Starter/Generator	1
18	<u>101916501</u>	Screw, Hex-Head Cap, 3/8-24 x 5-1/2 (left-hand threads)	1
19	<u>1017328</u>	Washer, Drive Clutch – Green	1

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DRIVEN CLUTCH

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	<u>101834001</u>	Assembly, Driven Clutch (includes items 2 - 8)	1
2	<u>1014080</u>	Ring, Retaining	1
3	<u>1014078</u>	Key	1
4	<u>1017686</u>	Cam	1
5	<u>101836201</u>	Spring – Green	1
6	<u>1014454</u>	Kit, Driven Clutch Button (includes 3 screws and 3 buttons)	1
7	<u>1014072</u>	Assembly, Movable Face with Bushing	1
8	<u>1014070</u>	Face, Fixed	1
9	<u>102267101</u>	Belt, Drive (FE350 and FE400)	1
	<u>AM10419</u>	Kit, Driven Clutch Hardware Repair (includes items 10 - 12)	1
10	<u>101833401</u>	Key, Square Transmission	1
11	<u>102242101</u>	Screw, Hex-Head Cap, Thread-Locking, 5/16-18 x 3/4	1
12	<u>1017327</u>	Washer, Driven Clutch	1

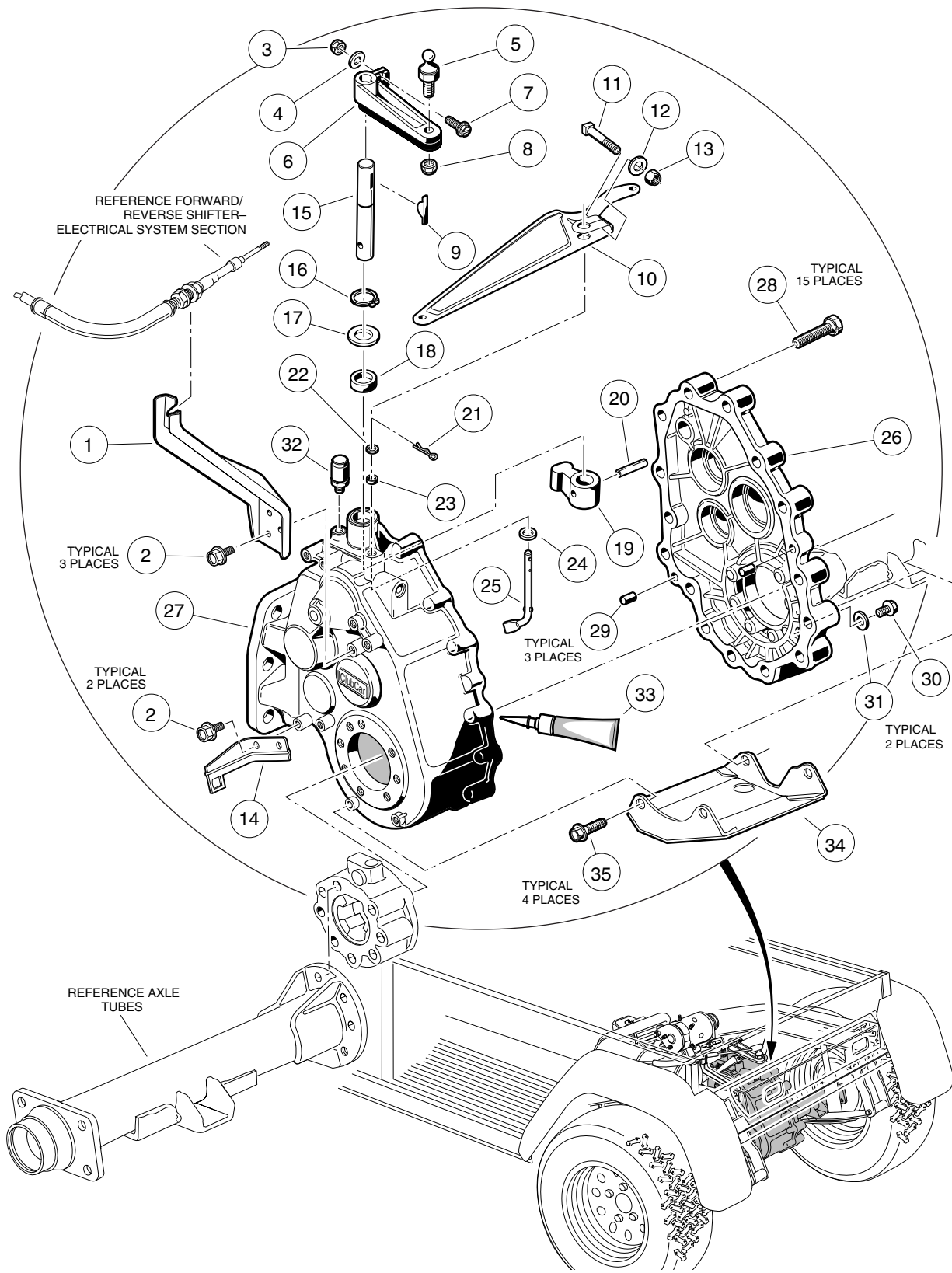
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UNITIZED TRANSAXLE

12

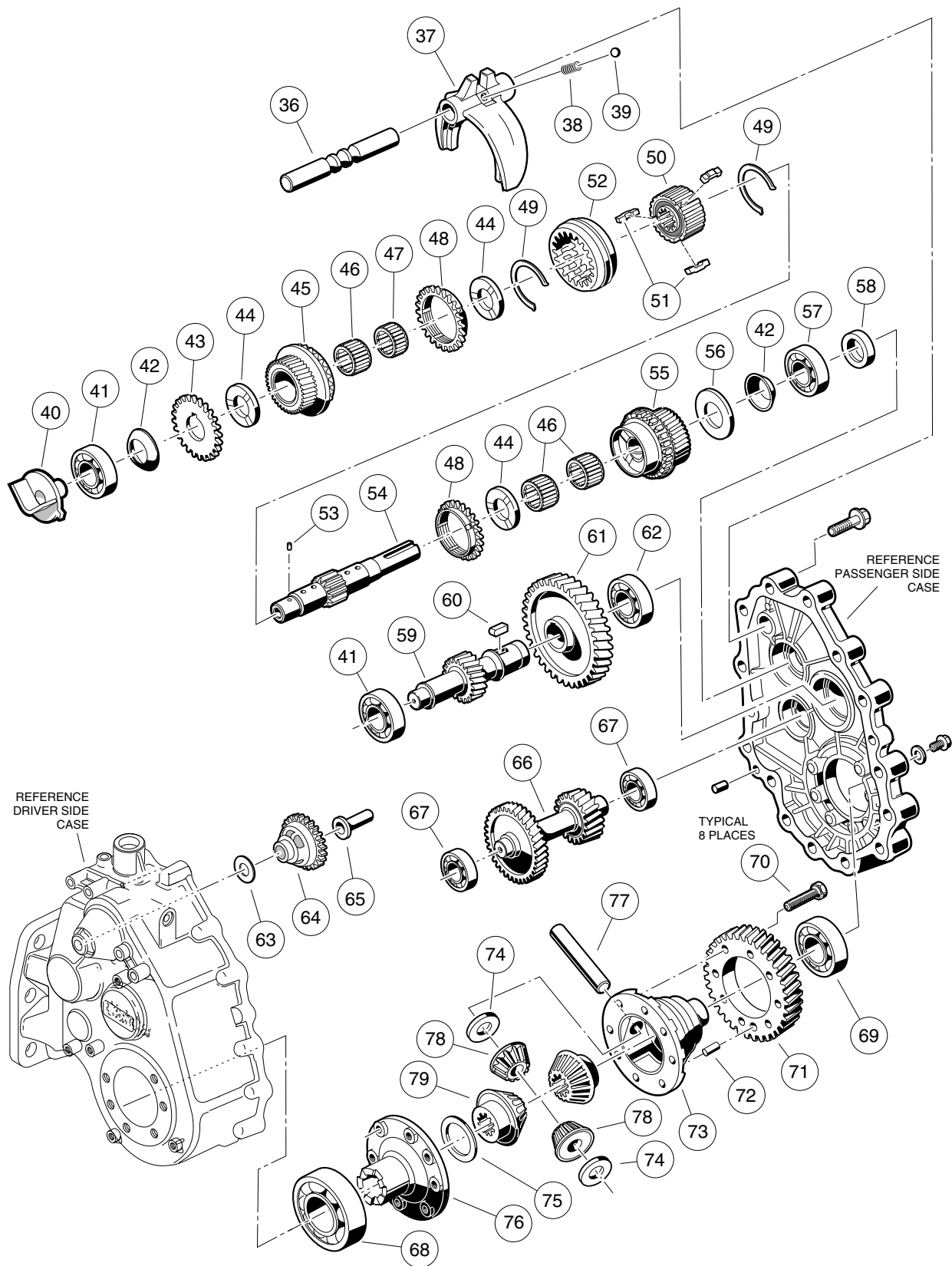
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UNITIZED TRANSAXLE, MC010C – GEAR CASES, BRACKETS AND GUARD

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	<u>102045901</u>	Bracket, Transmission Cable Support	1
2	<u>1012285</u>	Screw, Thread-Rolling, 1/4-20 x 5/8	5
3	<u>1013061</u>	Nut, Nylon Lock, #10-32	1
4	<u>183</u>	Washer, Flat, Type A, #10	1
5	<u>1010954</u>	Stud, Ball, 1/4-28 x 9/16	1
6	<u>1016341</u>	Lever, Transmission Shifter	1
7	<u>1017082</u>	Screw, Hex Washer Head, #10-32 x 3/4	1
8	<u>8717</u>	Nut, Nylon Lock, 1/4-28	1
9	<u>1017231</u>	Key, Woodruff, Type T	1
10	<u>101834801</u>	Arm, Governor Lever	1
11	<u>101886101</u>	Screw, Square-Head, 1/4-20 x 1	1
12	<u>1014007</u>	Washer, Type B, 1/4	1
13	<u>8233</u>	Nut, Nylon Lock, 1/4-20	1
14	<u>102018701</u>	Bracket, Differential Lock	1
	<u>102018401</u>	Transaxle, Unitized (includes items 15 - 102)*	1
15	<u>101890201</u>	Shaft, Shifter	1
16	<u>101927301</u>	Ring, Snap	1
17	<u>101892901</u>	Washer, Flat	1
18	<u>101927201</u>	Seal, Oil	1
19	<u>101890101</u>	Lever, Shifter	1
20	<u>1012752</u>	Pin, Roll	1
21	<u>101928601</u>	Pin, Cotter	1
22	<u>1016513</u>	Washer, Flat	1
23	<u>101927101</u>	Seal, Oil	1
24	<u>101893801</u>	Washer	1
25	<u>101891301</u>	Arm, Pivot	1
26	<u>102018501</u>	Gear Case (passenger side)	1
27	<u>102018601</u>	Gear Case (driver side)	1
28	<u>101926901</u>	Bolt, Flanged, M8 x 1.25 x 40 mm	15
29	<u>1012896</u>	Pin, Dowel (see also page 12-6)	3
30	<u>1013759</u>	Plug, Drain (includes item 31)	2
31	<u>1016432</u>	Gasket	1
32	<u>1012711</u>	Breather	1
33	<u>101928701</u>	Gasket, Liquid, 8.8 oz. (250 grams)	A/R
34	<u>102031501</u>	Guard, Unitized Transaxle	1
35	<u>102031601</u>	Bolt, M8 x 1.25 x 20 mm	4
* The MC010C unitized transaxle is not available as an assembly. The MC012C unitized transaxle cannot be used in a vehicle manufactured with an MC010C unitized transaxle.			

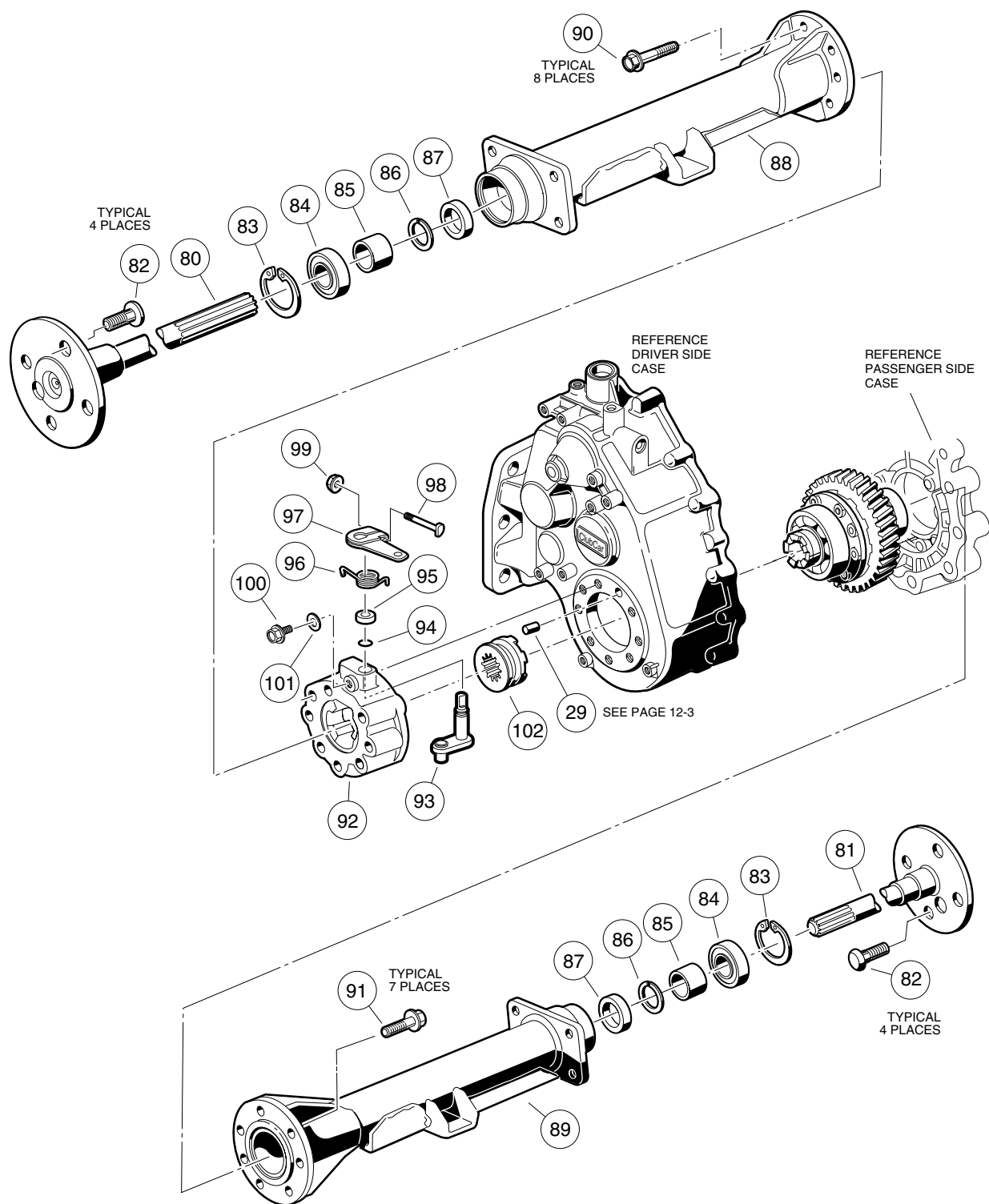
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UNITIZED TRANSAXLE, MC010C – F&R TRANSMISSION AND GEAR REDUCTION

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
36	101892001	Rod, Shift	1
37	<u>101890001</u>	Fork, Shift	1
38	<u>1012748</u>	Spring	1
39	<u>1012747</u>	Ball, Steel	1
40	<u>101889401</u>	Guide	1
41	<u>7336</u>	Bearing, Ball	2
42	<u>1016338</u>	Washer, Spring	2
43	<u>101892401</u>	Gear, Spur	1
44	<u>101892201</u>	Plate, Thrust	3
45	<u>102018801</u>	Gear, Input, 25 Tooth (16°)	1
46	<u>101927601</u>	Bearing, Needle	3
47	<u>101927501</u>	Bearing, Needle	1
48	<u>101981001</u>	Ring, Synchronizer (16°)	2
49	<u>1012741</u>	Spring, Synchronizer	2
50	<u>101928001</u>	Hub, Synchronizer Clutch	1
51	<u>1012740</u>	Insert, Synchronizer	3
52	<u>101927901</u>	Sleeve, Synchronizer	1
53	<u>101927701</u>	Pin, Dowel	1
54	<u>101889901</u>	Shaft, Input	1
55	<u>101980801</u>	Gear, Input, 25 Tooth (16°)	1
56	<u>1016337</u>	Washer, Thrust	1
57	<u>101927801</u>	Bearing, Ball	1
58	<u>1012714</u>	Seal, Oil, Input Shaft	1
59	<u>102100701</u>	Gear, 17 Tooth	1
60	<u>101893201</u>	Key	1
61	<u>102018901</u>	Gear, 70 Tooth	1
62	<u>101928101</u>	Bearing, Ball	1
63	<u>101893901</u>	Washer.....	1
64	<u>101892301</u>	Governor	1
65	<u>101891601</u>	Sleeve	1
66	<u>102019001</u>	Gear, Cluster Idler	1
67	<u>7335</u>	Bearing, Ball	2
68	<u>102032001</u>	Bearing, Inner Axle Tube, Driver-Side	1
69	<u>7330</u>	Bearing, Inner Axle Tube, Passenger-Side	1
70	<u>101928301</u>	Bolt, M8 x 1.25 x 37 mm	8
71	<u>102019701</u>	Gear, Output, 91 Tooth	1
72	<u>102031701</u>	Pin, Dowel	1
73	<u>102031801</u>	Case, Gear Carrier	1
74	<u>1013774</u>	Plate, Thrust (idler gear)	2
75	<u>1013773</u>	Plate, Thrust (differential gear)	1
76	<u>102019901</u>	Cover, Gear Case	1
77	<u>1013772</u>	Pin, Differential	1
78	<u>1013770</u>	Gear, Differential Idler	2
79	<u>1013771</u>	Gear, Differential	2

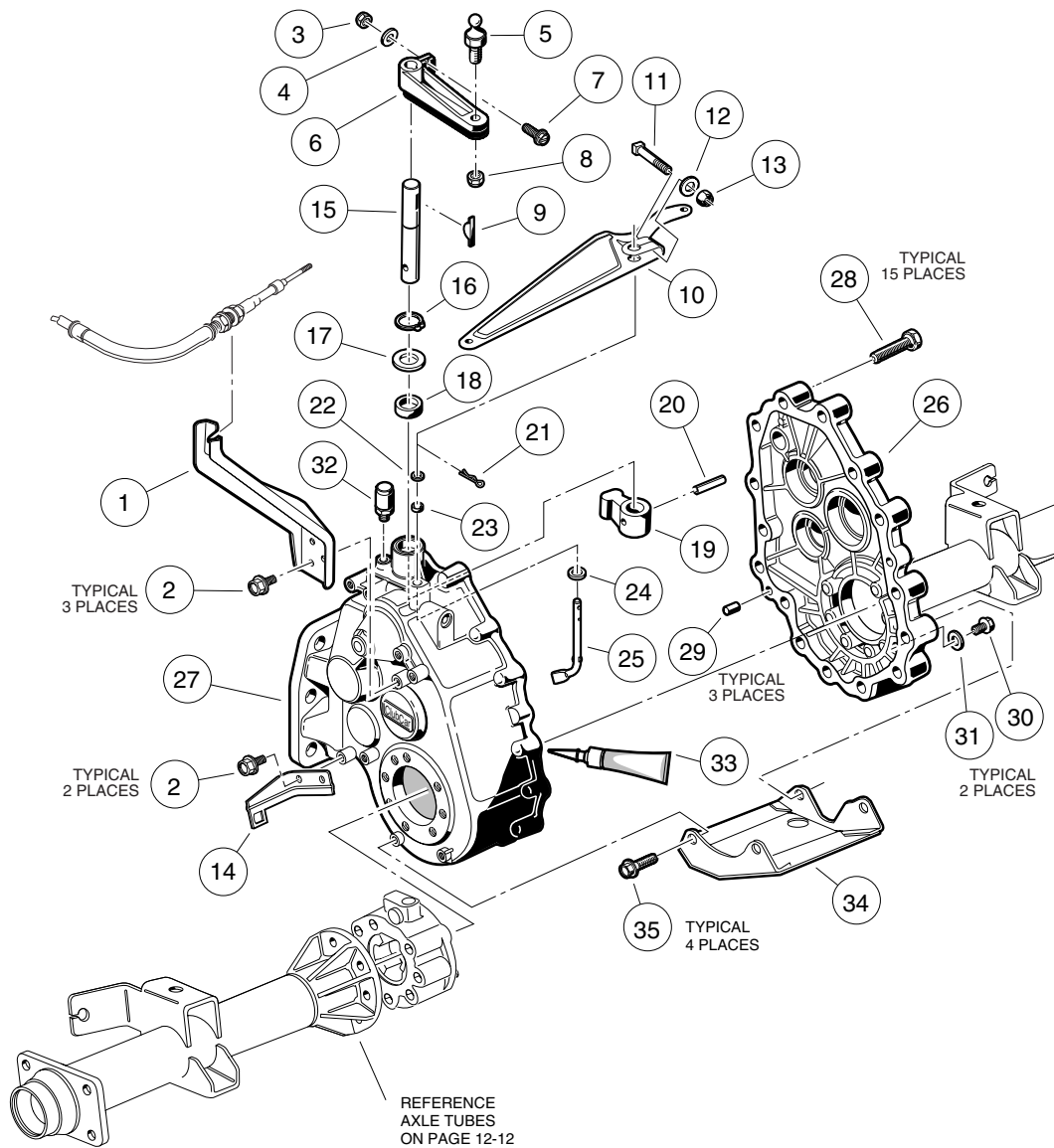
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UNITIZED TRANSAXLE, MC010C – DIFFERENTIAL LOCK AND AXLES

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
80	<u>102019101</u>	Assembly, Axle, Driver-Side (includes items 82 - 86)	1
81	<u>102019201</u>	Assembly, Axle, Passenger-Side (includes items 82 - 86)	1
82	<u>1013787</u>	Stud, Lug	4
83	<u>1013792</u>	Ring, Retaining	1
84	<u>1011291</u>	Bearing, Outer Axle Tube	1
85	<u>1014207</u>	Collar, 25 mm I.D.	1
86	<u>1016672</u>	Ring, Retaining	1
87	<u>1013794</u>	Seal, Oil	2
88	<u>102019401</u>	Assembly, Axle Tube, Driver-Side	1
89	<u>102019501</u>	Assembly, Axle Tube, Passenger-Side	1
90	<u>102019601</u>	Bolt, M10 x 1.5 x 70 mm	8
91	<u>102031901</u>	Bolt, M10 x 1.5 x 30 mm	7
92	<u>102020101</u>	Housing, Differential Lock	1
93	<u>102020201</u>	Lever, Differential Lock	1
94	<u>102020301</u>	O-Ring, Differential Lock	1
95	<u>102020401</u>	Spacer, Differential Lock	1
96	<u>102020501</u>	Spring, Differential Lock	1
97	<u>102020901</u>	Arm, Differential Lock Lever	1
98	<u>1016686</u>	Bolt, Differential Lock Pinch	1
99	<u>1016547</u>	Nut, Flanged, M6 x 1	1
100	<u>102022301</u>	Screw, M6 x 1 x 10 mm	1
101	<u>102022401</u>	Washer, M6	1
102	<u>102020001</u>	Cog, Differential Lock	1

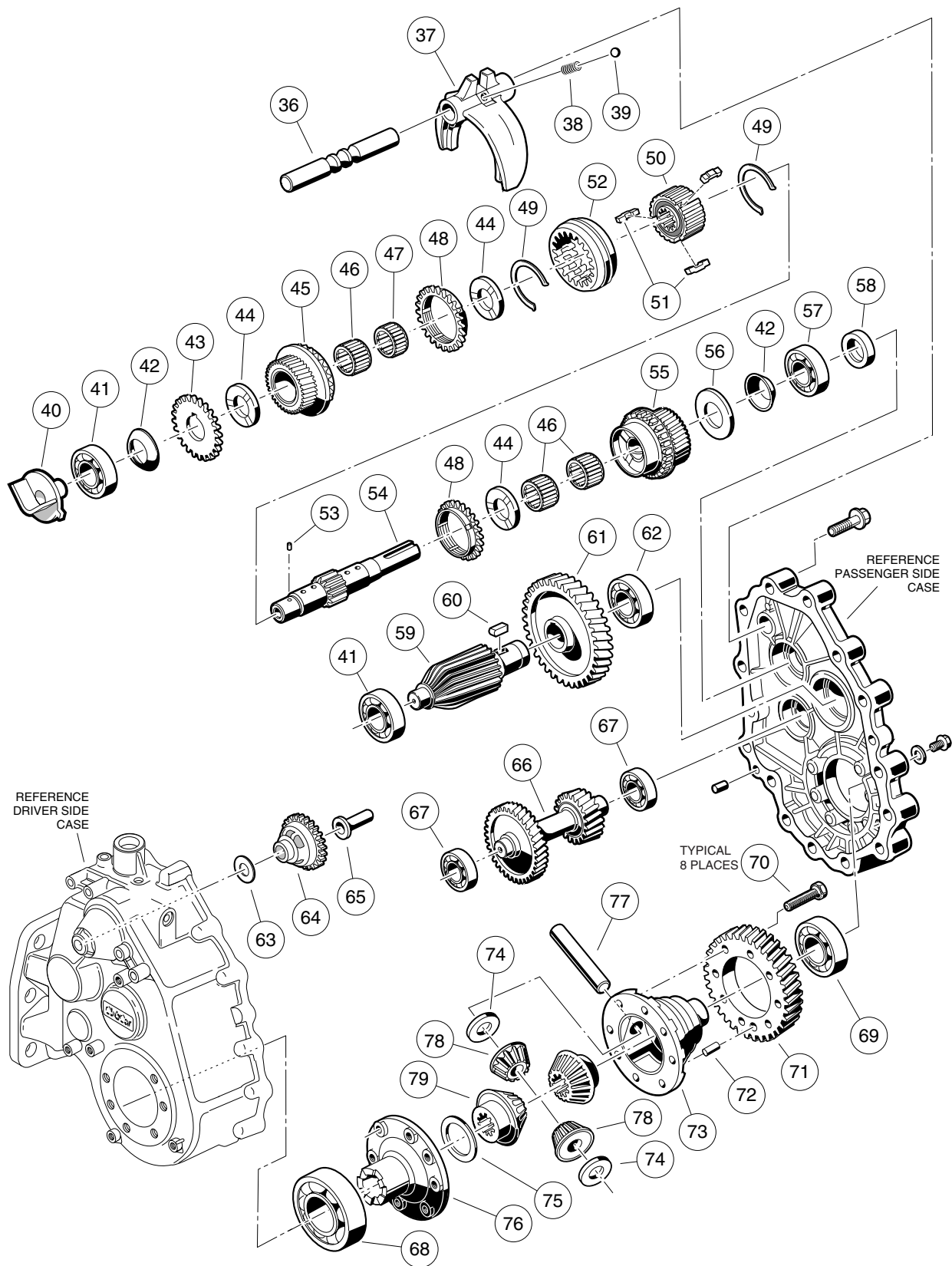
12
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UNITIZED TRANSAXLE, MC012C – GEAR CASES, BRACKETS AND GUARD

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	<u>102045901</u>	Bracket, Transmission Cable Support	1
2	<u>1012285</u>	Screw, Thread-Rolling, 1/4-20 x 5/8	5
3	<u>1013061</u>	Nut, Nylon Lock, #10-32	1
4	<u>183</u>	Washer, Flat, Type A, #10	1
5	<u>1010954</u>	Stud, Ball, 1/4-28 x 9/16	1
6	<u>1016341</u>	Lever, Transmission Shifter	1
7	<u>1017082</u>	Screw, Hex Washer Head, #10-32 x 3/4	1
8	<u>8717</u>	Nut, Nylon Lock, 1/4-28	1
9	<u>1017231</u>	Key, Woodruff, Type T	1
10	<u>101834801</u>	Arm, Governor Lever	1
11	<u>101886101</u>	Screw, Square-Head, 1/4-20 x 1	1
12	<u>1014007</u>	Washer, Type B, 1/4	1
13	<u>8233</u>	Nut, Nylon Lock, 1/4-20	1
14	<u>102018701</u>	Bracket, Differential Lock	1
	<u>102264601</u>	Transaxle, Unitized (includes items 15 - 107)	1
15	<u>101890201</u>	Shaft, Shifter	1
16	<u>101927301</u>	Ring, Snap	1
17	<u>101892901</u>	Washer, Flat	1
18	<u>101927201</u>	Seal, Oil	1
19	<u>101890101</u>	Lever, Shifter	1
20	<u>1012752</u>	Pin, Roll	1
21	<u>101928601</u>	Pin, Cotter	1
22	<u>1016513</u>	Washer, Flat	1
23	<u>101927101</u>	Seal, Oil	1
24	<u>101893801</u>	Washer	1
25	<u>101891301</u>	Arm, Pivot	1
26	<u>102018501</u>	Gear Case (passenger side)	1
27	<u>102018601</u>	Gear Case (driver side)	1
28	<u>101926901</u>	Bolt, Flanged, M8 x 1.25 x 40 mm	15
29	<u>1012896</u>	Pin, Dowel (see also page 12-12)	3
30	<u>1016576</u>	Plug, Drain	2
31	<u>102267601</u>	Gasket	2
32	<u>1012711</u>	Breather	1
33	<u>101928701</u>	Gasket, Liquid, 8.8 oz. (250 grams)	A/R
34	<u>102031501</u>	Guard, Unitized Transaxle	1
35	<u>102268601</u>	Bolt, M8 x 1.25 x 20 mm	4

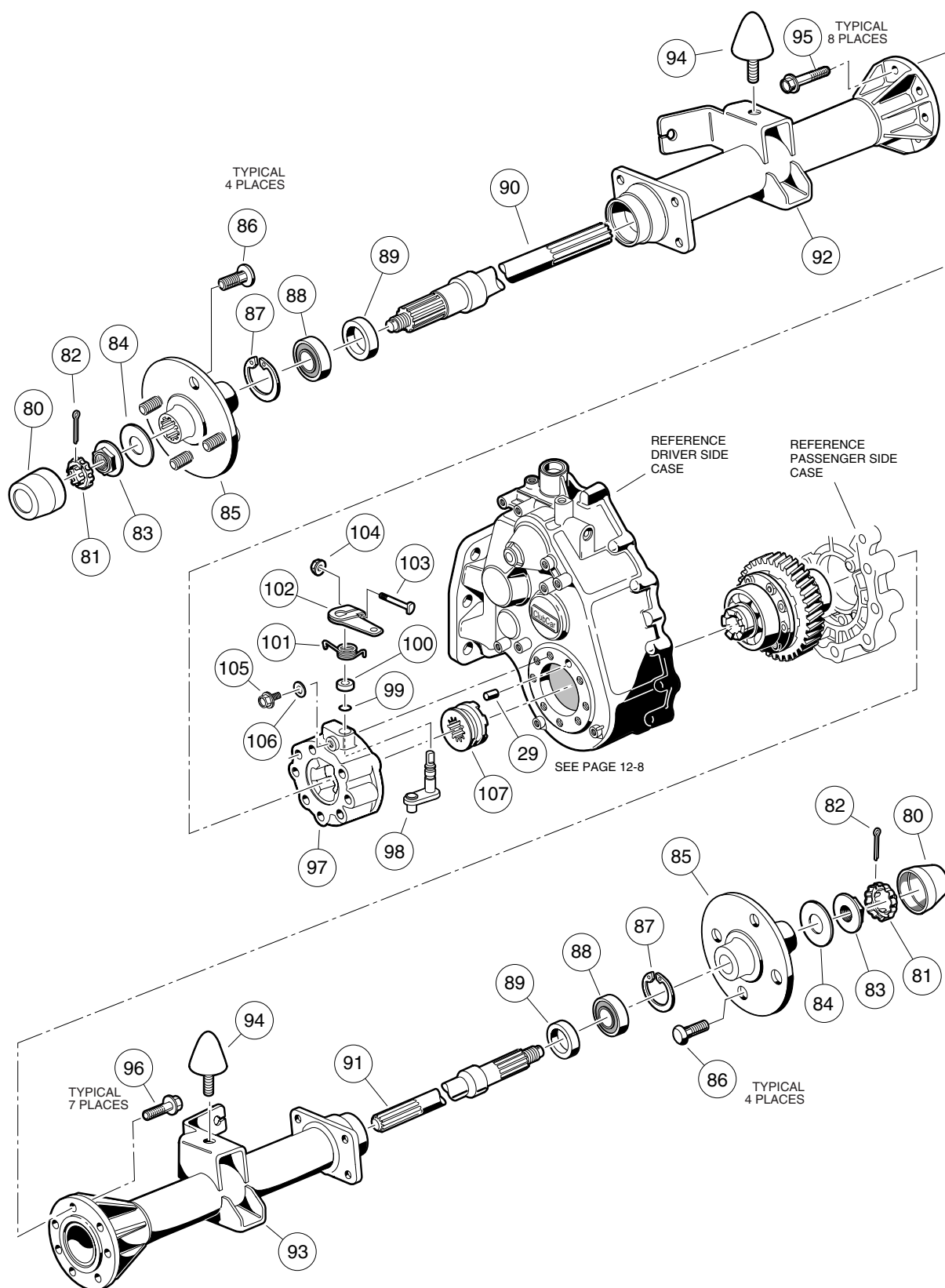
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UNITIZED TRANSAXLE, MC012C – F&R TRANSMISSION AND GEAR REDUCTION

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
36	101892001	Rod, Shift	1
37	<u>101890001</u>	Fork, Shift	1
38	<u>1012748</u>	Spring	1
39	<u>1012747</u>	Ball, Steel	1
40	<u>101889401</u>	Guide	1
41	<u>7336</u>	Bearing, Ball	2
42	<u>1016338</u>	Washer, Spring	2
43	<u>101892401</u>	Gear, Spur	1
44	<u>101892201</u>	Plate, Thrust	3
45	<u>102018801</u>	Gear, Input, 25 Tooth (16°)	1
46	<u>101927601</u>	Bearing, Needle	3
47	<u>101927501</u>	Bearing, Needle	1
48	<u>101981001</u>	Ring, Synchronizer (16°)	2
49	<u>1012741</u>	Spring, Synchronizer	2
50	<u>101928001</u>	Hub, Synchronizer Clutch	1
51	<u>1012740</u>	Insert, Synchronizer	3
52	<u>101927901</u>	Sleeve, Synchronizer	1
53	<u>101927701</u>	Pin, Dowel	1
54	<u>101889901</u>	Shaft, Input	1
55	<u>101980801</u>	Gear, Input, 25 Tooth (16°)	1
56	<u>1016337</u>	Washer, Thrust	1
57	<u>101927801</u>	Bearing, Ball	1
58	<u>1012714</u>	Seal, Oil, Input Shaft	1
59	<u>102268201</u>	Gear, 12 Tooth	1
60	<u>101893201</u>	Key	1
61	<u>102018901</u>	Gear, 70 Tooth	1
62	<u>102268401</u>	Bearing, Ball	1
63	<u>101893901</u>	Washer	1
64	<u>101892301</u>	Governor	1
65	<u>101891601</u>	Sleeve	1
66	<u>102019001</u>	Gear, Cluster Idler	1
67	<u>7335</u>	Bearing, Ball	2
68	<u>102032001</u>	Bearing, Inner Axle Tube, Driver-Side	1
69	<u>7330</u>	Bearing, Inner Axle Tube, Passenger-Side	1
70	<u>101928301</u>	Bolt, M8 x 1.25 x 37 mm	8
71	<u>102268301</u>	Gear, Output, 64 Tooth	1
72	<u>102031701</u>	Pin, Dowel	1
73	<u>102267901</u>	Case, Gear Carrier	1
74	<u>1013774</u>	Plate, Thrust (idler gear)	2
75	<u>102268101</u>	Plate, Thrust (differential gear)	1
76	<u>102267801</u>	Cover, Gear Case	1
77	<u>1013772</u>	Pin, Differential	1
78	<u>1013770</u>	Gear, Differential Idler	2
79	<u>102268001</u>	Gear, Differential, 16 Tooth	2

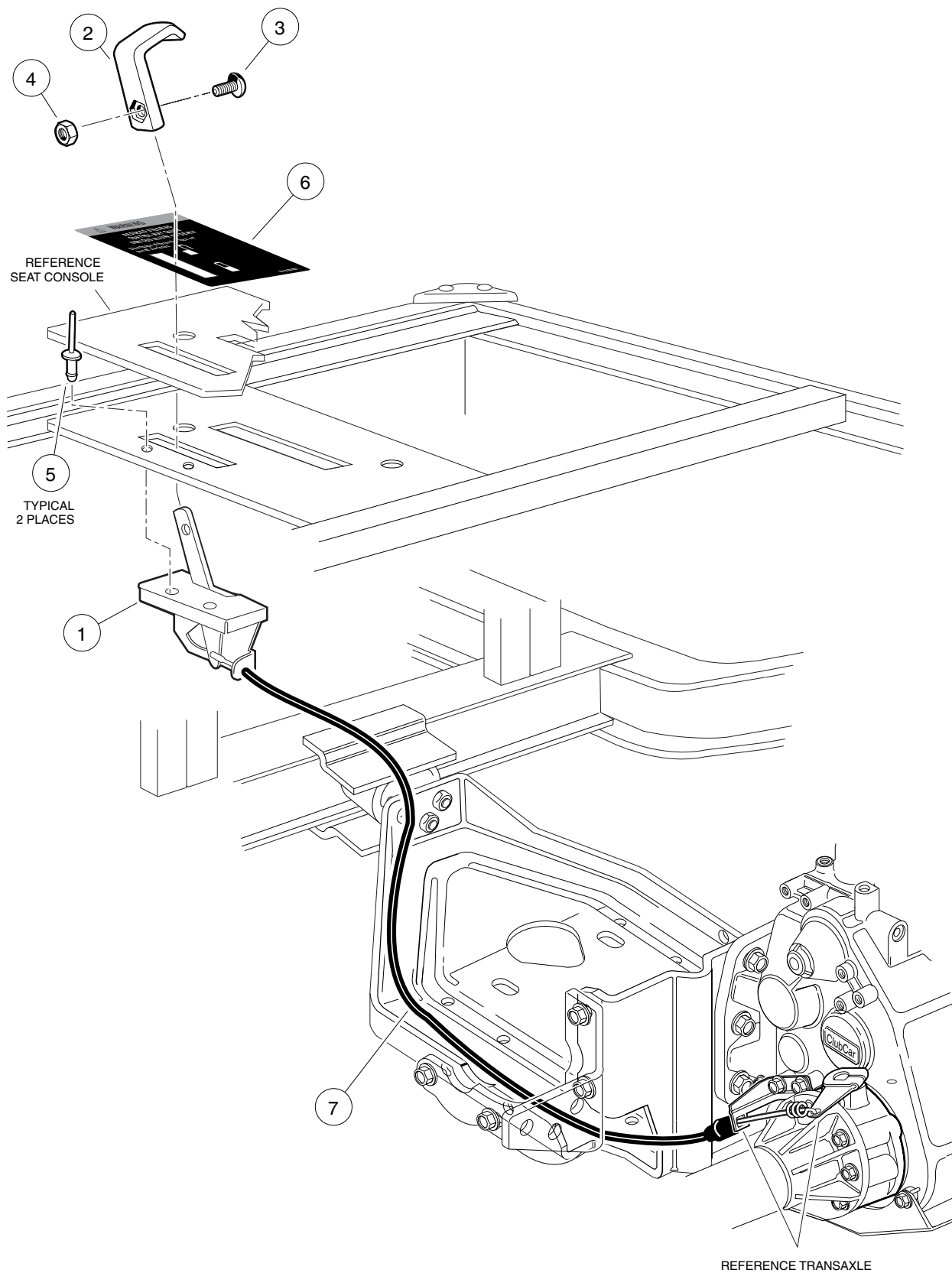
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UNITIZED TRANSAXLE, MC012C – DIFFERENTIAL LOCK AND AXLES

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
80	102274101	Cap, Rubber Center	2
81	<u>102276001</u>	Cap, Locking	2
82	<u>101838801</u>	Pin, Cotter	2
83	<u>102269201</u>	Nut, Axle Flange Retaining	2
84	<u>102269301</u>	Washer, Flat	2
85	<u>102269101</u>	Hub (includes item 86)	2
86	<u>1013787</u>	Stud, Lug	4
87	<u>1013792</u>	Ring, Retaining	2
88	<u>1011291</u>	Bearing, Outer Axle Tube	2
89	<u>102269401</u>	Seal, Oil	2
90	<u>102269001</u>	Assembly, Axle, Driver-Side	1
91	<u>102268901</u>	Assembly, Axle, Passenger-Side	1
92	<u>102268801</u>	Assembly, Axle Tube, Driver-Side	1
93	<u>102268701</u>	Assembly, Axle Tube, Passenger-Side	1
94	<u>102188701</u>	Stop, Axle	2
95	<u>102019601</u>	Bolt, M10 x 1.5 x 70 mm	8
96	<u>102031901</u>	Bolt, M10 x 1.5 x 30 mm	7
97	<u>102020101</u>	Housing, Differential Lock	1
98	<u>102020201</u>	Lever, Differential Lock	1
99	<u>102020301</u>	O-Ring, Differential Lock	1
100	<u>102020401</u>	Spacer, Differential Lock	1
101	<u>102020501</u>	Spring, Differential Lock	1
102	<u>102020901</u>	Arm, Differential Lock Lever	1
103	<u>1016686</u>	Bolt, Differential Lock Pinch	1
104	<u>1016547</u>	Nut, Flanged, M6 x 1	1
105	<u>102022301</u>	Screw, M6 x 1 x 10 mm	1
106	<u>102022401</u>	Washer, M6	1
107	<u>102267701</u>	Cog, Differential Lock	1

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UNITIZED TRANSAXLE – DIFFERENTIAL LOCK CABLE ASSEMBLY AND SHIFTER

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	<u>102025101</u>	Control, Differential Lock	1
2	<u>102022201</u>	Handle, Differential Lock	1
3	<u>1011017</u>	Bolt, Hex Washer Head, #8-32 x 3/8	1
4	<u>1011571</u>	Nut, Hex, #8-32	1
5	<u>101880901</u>	Rivet, Pop	2
6	<u>102046601</u>	Decal, Differential Lock Control Warning	1
7	<u>102031201</u>	Cable, Differential Lock	1

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MAINTENANCE AND SERVICE TOOLS

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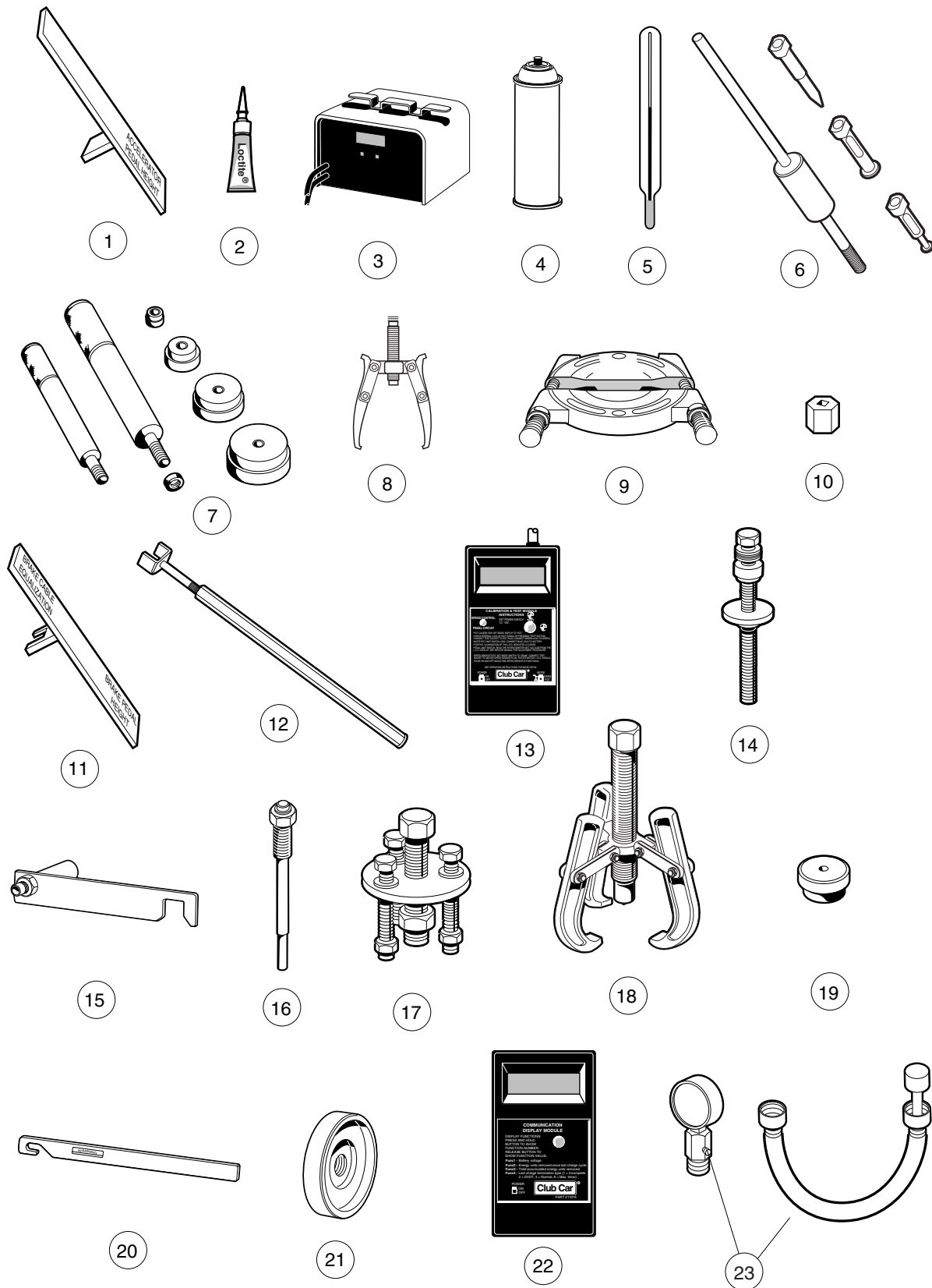
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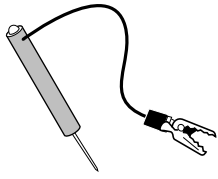
MAINTENANCE AND SERVICE TOOLS

ITEM	PART NO.	DESCRIPTION	QTY GAS	QTY ELEC	13 G E
		1 2 3 4 The following tool list includes all tools available from Club Car for maintenance and service procedures for gasoline and/or electric vehicles, both past and present models. Be sure to carefully examine the tool list for applicability to your vehicle before ordering.			
1	<u>101871001</u>	Accelerator Pedal Adjustment Tool	1	1	
2	<u>101813202</u>	Adhesive, Guide Ring, 3-Gram Tube	1	1	
3	<u>101831901</u>	Battery Discharge Machine, 36/48 Volt		1	
4	<u>1014305</u>	Battery Terminal Protector Spray	1	1	
5	<u>1011767</u>	Battery Thermometer		1	
6	<u>1016417</u>	Bearing and Oil Seal Remover Assembly	1	1	
7	<u>1016416</u>	Bearing Driver Set	1	1	
8	<u>1012811</u>	Bearing Puller	1	1	
9	<u>1012812</u>	Bearing Puller Wedge Attachment	1	1	
10	<u>1013582</u>	Brake Adjustment Tool (used only on vehicles with manually adjusted mechanical brakes)	1	1	
	<u>102249901</u>	Brake Pedal Adjustment Tool Kit (used for the Carryall electric industrial truck only) (includes items 11 and 12)		1	
11	****	Brake Pedal Adjustment Tool		1	
12	****	Brake Pedal Tension Tool		1	
13	<u>101887101</u>	Calibration Test Module		1	
14	<u>101808401</u>	Cam Installation Tool	1		
	<u>1014510</u>	Clutch Tool Kit (includes items 15 - 21)	1		
15	<u>1014498</u>	Clutch Alignment Tool (for pre-unitized transaxle vehicles built prior to 1997 model year)	1		
16	<u>1014496</u>	Drive Clutch Puller	1		
17	<u>1014497</u>	Drive Clutch Hub Puller	1		
18	<u>1014508</u>	Driven Clutch Cam Puller	1		
19	<u>1014507</u>	Driven Clutch Puller Plug	1		
20	<u>1015524</u>	Drive Clutch Holder Tool Assembly	1		
21	<u>101809101</u>	Press Weldment	1		
22	<u>101831801</u>	Communication Display Module		1	
23	<u>101641002</u>	Compression Gauge and Adapter	1		
		Please refer to the maintenance and service manual for proper tool application. **** Special order item available upon request			

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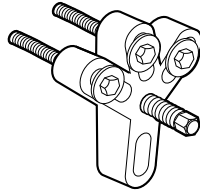
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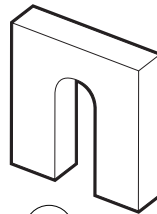
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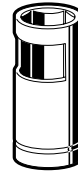
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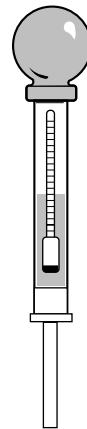
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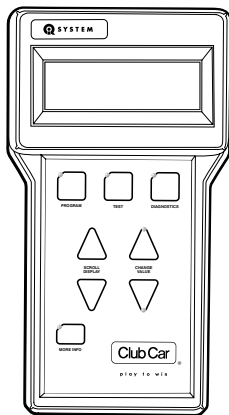
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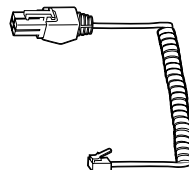
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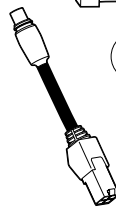
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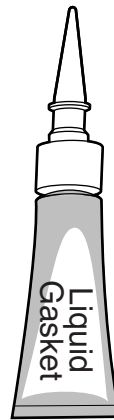
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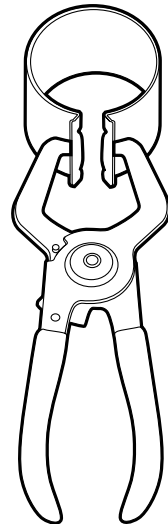
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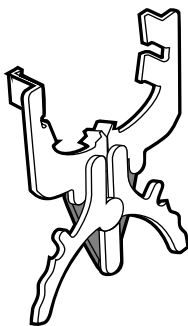
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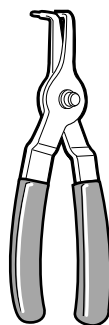
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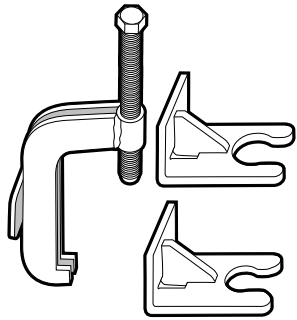
MAINTENANCE AND SERVICE TOOLS, CONTINUED

ITEM	PART NO.	DESCRIPTION	QTY GAS	QTY ELEC
		1 2 3 4		
24	1011273	Continuity Tester	1	1
25	<u>1012151</u>	Dry Moly Lubricant	1	1
26	<u>1016627</u>	Flywheel Puller Kit	1	
27	<u>1016418</u>	Gear Yoke	1	1
28	<u>101933101</u>	Governor Shaft Installation Tool	1	
29	102169401	Hydraulic Brake Adjuster (for vehicles equipped with hydraulic brakes)	1	
30	<u>1011478</u>	Hydrometer	1	1
31	<u>1013593</u>	Internal Retaining Ring Pliers	1	1
32	102248801	IQ Display Module (IQDM) Kit (for IQ System vehicles only) (includes items 33 and 34)		1
33	<u>102241501</u>	Cable, IQDM		1
34	<u>102251501</u>	Adaptor, Cable		1
35	<u>101928701</u>	Liquid Gasket (transaxle case)	1	1
36	<u>102243402</u>	Moly-Teflon Lubricant (4-oz. (113-gram) tube)		1
37	<u>1016414</u>	Piston Ring Compressor Kit (FE290, FE350 and FE400 engines)	1	
38	<u>1016415</u>	Piston Ring Pliers	1	
39	<u>1012549</u>	Retaining Ring Pliers, 45° External	1	1
40	<u>1012560</u>	Retaining Ring Pliers, 90° Internal	1	1
41	<u>101823101</u>	Safety First Card (50 per pack)	1	1
42	<u>1012809</u>	Seal Puller	1	1
43	<u>1014264</u>	Steering Column Bearing Press Tool	1	1
44	<u>1014259</u>	Steering Column Retaining Ring Tool	1	1
		Please refer to the maintenance and service manual for proper tool application.		

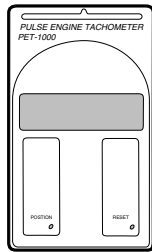
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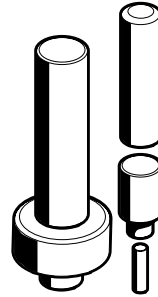
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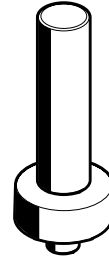
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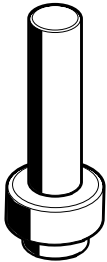
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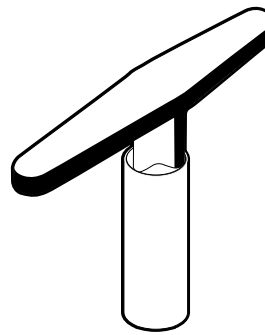
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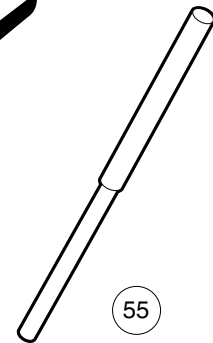
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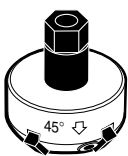
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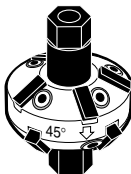
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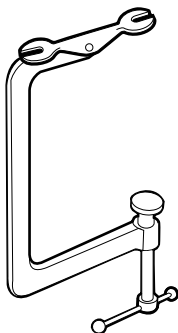
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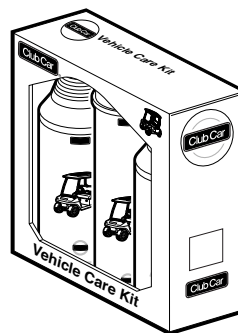
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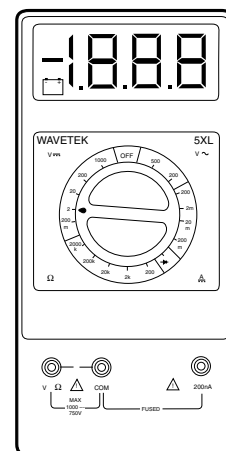
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MAINTENANCE AND SERVICE TOOLS, CONTINUED

ITEM	PART NO.	DESCRIPTION	QTY GAS	QTY ELEC
		1 2 3 4		
45	102061201	Steering Wheel Puller Tool	1	1
46	1016112	Tachometer	1	
47	<u>101997201</u>	Paint, Touch-Up – Beige	1	1
47	<u>101997202</u>	Paint, Touch-Up – White	1	1
47	101972003	Paint, Touch-Up – Red	1	1
47	<u>101997204</u>	Paint, Touch-Up – Gray	1	1
47	101972005	Paint, Touch-Up – Dark Gray	1	1
47	101972006	Paint, Touch-Up – Royal Blue (Pacific Blue)	1	1
47	101972007	Paint, Touch-Up – Black	1	1
47	<u>101997209</u>	Paint, Touch-Up – Dark Green	1	1
47	<u>101997211</u>	Paint, Touch-Up – Classic Blue (Navy)	1	1
47	<u>101997212</u>	Paint, Touch-Up – Burgundy	1	1
48	<u>1014115</u>	Transmission Tool Kit	1	
49	1014161	Transaxle Pinion Seal Tool	1	
50	<u>1014162</u>	Transaxle Axle Seal Tool	1	
51	<u>1016413</u>	Valve Clearance Adjuster Screw Holder (for FE290 engines only)	1	
52	101641201	Valve Guide Reamer	1	
53	<u>101641202</u>	Arbor	1	
54	<u>1016551</u>	Valve Seat Cutter T-Wrench	1	
55	<u>1016552</u>	Valve Seat Cutter Guide	1	
56	<u>1016553</u>	Valve Seat Cutter, 45° (32 mm diameter) (for FE290 engines only)	1	
57	<u>1016554</u>	Valve Seat Cutter, 45°/30° (35 mm diameter)	1	
58	<u>101641101</u>	Valve Spring Compressor	1	
59	AM10021	Vehicle Care Kit	1	1
60	1011480	Volt Ohm Meter	1	1
61	<u>101611003</u>	Tune-Up Kit, All OHV (includes air filter, spark plug, oil filter, fuel filters) (not shown)	1	
		Please refer to the maintenance and service manual for proper tool application.		

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Part Number and Page

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